

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015249.D
 Acq On : 22 May 2018 20:36
 Operator : SJ/JU
 Sample : J2133-03
 Misc : MDL 2 PPM
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 5/23/2018 3:27:41 PM

Quant Time: May 23 14:20:01 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	199032	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	791991	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	407500	20.00	ng	0.00
63) Phenanthrene-d10	17.74	188	851695	20.00	ng	0.00
75) Chrysene-d12	21.83	240	847790	20.00	ng	0.00
86) Perylene-d12	24.27	264	854078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.89	112	1670691	137.33	ng	0.00
7) Phenol-d6	7.55	99	2122109	133.96	ng	0.00
23) Nitrobenzene-d5	9.59	82	1241365	85.86	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	733404	143.53	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2755031	84.05	ng	0.00
78) Terphenyl-d14	20.29	244	3637395	94.74	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.63	88	10230	2.035	ng	Qvalue # 100
3) Pyridine	4.11	79	22451m	1.744	ng	
4) n-Nitrosodimethylamine	4.00	42	11168m	1.603	ng	
6) Aniline	7.72	93	32561	1.668	ng	# 91
8) 2-Chlorophenol	7.96	128	25887	1.886	ng	93
9) Benzaldehyde	7.55	77	15427	1.540	ng	# 63
10) Phenol	7.58	94	30030	1.867	ng	92
11) bis(2-Chloroethyl)ether	7.82	93	24674	1.934	ng	89
12) 1,3-Dichlorobenzene	8.29	146	31657	2.022	ng	# 96
13) 1,4-Dichlorobenzene	8.45	146	31683	2.002	ng	97
14) 1,2-Dichlorobenzene	8.77	146	31158	2.074	ng	96
15) Benzyl Alcohol	8.66	79	18992	1.658	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	8.93	45	38879	1.931	ng	99
17) 2-Methylphenol	8.85	107	19028	1.779	ng	# 88
18) Hexachloroethane	9.50	117	10150	1.806	ng	# 88
19) n-Nitroso-di-n-propylamine	9.22	70	16649	1.649	ng	# 81
20) 3+4-Methylphenols	9.19	107	25205	1.775	ng	90
22) Acetophenone	9.25	105	36904	1.942	ng	# 95
24) Nitrobenzene	9.63	77	30514	2.027	ng	# 95
25) Isophorone	10.16	82	39261	1.581	ng	96
26) 2-Nitrophenol	10.35	139	8116	1.202	ng	# 78
27) 2,4-Dimethylphenol	10.39	122	14823	1.210	ng	90
28) bis(2-Chloroethoxy)methane	10.63	93	27519	1.692	ng	98
29) 2,4-Dichlorophenol	10.89	162	17875	1.541	ng	98
30) 1,2,4-Trichlorobenzene	11.10	180	27429	2.007	ng	98
31) Naphthalene	11.29	128	81830	1.988	ng	99
32) Benzoic acid	10.46	122	10398m	1.467	ng	
33) 4-Chloroaniline	11.40	127	26064	1.587	ng	# 90
34) Hexachlorobutadiene	11.56	225	16787	2.066	ng	96
35) Caprolactam	12.16	113	3461	1.054	ng	# 85
36) 4-Chloro-3-methylphenol	12.49	107	17613	1.486	ng	# 84
37) 2-Methylnaphthalene	12.87	142	52843	1.852	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.23	216	28727	2.001	ng	# 100
40) Hexachlorocyclopentadiene	13.20	237	5795	5.849	ng	92

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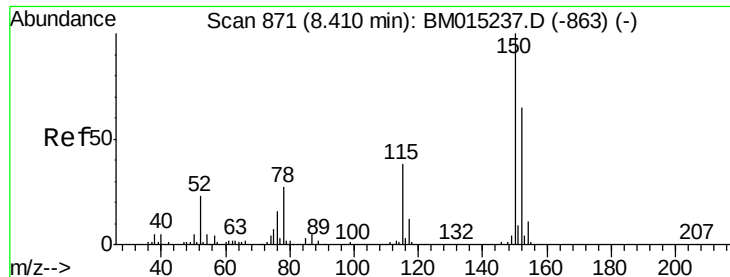
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 5/23/2018 3:27:41 PM

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.47	196	11946	1.385	ng	96
43) 2,4,5-Trichlorophenol	13.55	196	15006	1.611	ng #	90
45) 1,1'-Biphenyl	13.86	154	77782	2.182	ng	97
46) 2-Chloronaphthalene	13.91	162	54353	1.981	ng #	89
47) 2-Nitroaniline	14.11	65	9492	1.214	ng	87
48) Acenaphthylene	14.75	152	71220	1.747	ng	98
49) Dimethylphthalate	14.46	163	63236	1.944	ng #	97
50) 2,6-Dinitrotoluene	14.59	165	9153	1.349	ng	90
51) Acenaphthene	15.08	154	51790	2.040	ng	97
52) 3-Nitroaniline	14.93	138	8280	1.159	ng #	79
53) 2,4-Dinitrophenol	15.15	184	1823	6.958	ng #	76
54) Dibenzofuran	15.41	168	77306	1.931	ng	95
55) 4-Nitrophenol	15.23	139	5081	0.877	ng #	42
56) 2,4-Dinitrotoluene	15.37	165	10474	1.127	ng #	90
57) Fluorene	16.05	166	59790	1.890	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.63	232	10990	1.376	ng #	100
59) Diethylphthalate	15.80	149	58693	1.831	ng	96
60) 4-Chlorophenyl-phenylether	16.04	204	30992	1.923	ng	99
61) 4-Nitroaniline	16.07	138	6945	0.930	ng #	54
62) Azobenzene	16.33	77	46246	1.519	ng	89
64) 4,6-Dinitro-2-methylphenol	16.13	198	4291	0.913	ng	85
65) n-Nitrosodiphenylamine	16.25	169	47389	1.732	ng	99
66) 4-Bromophenyl-phenylether	16.92	248	16993	1.786	ng #	86
67) Hexachlorobenzene	17.05	284	21430	1.956	ng #	86
68) Atrazine	17.17	200	9135	1.052	ng	94
69) Pentachlorophenol	17.39	266	7552	1.238	ng	92
70) Phenanthrene	17.78	178	96012	1.979	ng	98
71) Anthracene	17.87	178	80713	1.669	ng	99
72) Carbazole	18.13	167	73208	1.710	ng	98
73) Di-n-butylphthalate	18.65	149	73295	1.454	ng #	98
74) Fluoranthene	19.75	202	93980	1.766	ng	96
76) Benzidine	19.92	184	23159	0.873	ng	99
77) Pyrene	20.11	202	99752	1.864	ng	99
79) Butylbenzylphthalate	20.95	149	29218	1.337	ng #	82
80) Benzo(a)anthracene	21.82	228	100209	1.876	ng	98
81) 3,3'-Dichlorobenzidine	21.74	252	32628	1.649	ng	97
82) Chrysene	21.87	228	101077	2.009	ng	99
83) Bis(2-ethylhexyl)phthalate	21.70	149	43849	1.380	ng	96
84) Di-n-octyl phthalate	22.63	149	68710	1.236	ng #	91
85) Indeno(1,2,3-cd)pyrene	26.79	276	111470	1.831	ng #	90
87) Benzo(b)fluoranthene	23.53	252	99048	1.833	ng	99
88) Benzo(k)fluoranthene	23.57	252	96189	1.882	ng	95
89) Benzo(a)pyrene	24.16	252	87592	1.738	ng #	96
90) Dibenzo(a,h)anthracene	26.80	278	92959	1.808	ng	98
91) Benzo(g,h,i)perylene	27.57	276	93296	1.863	ng	97

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



#1

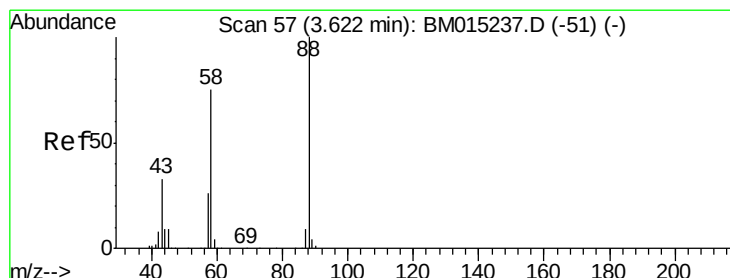
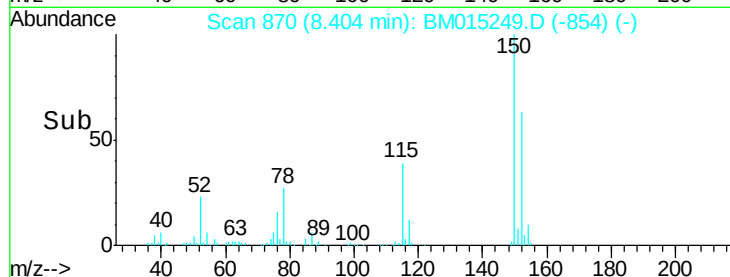
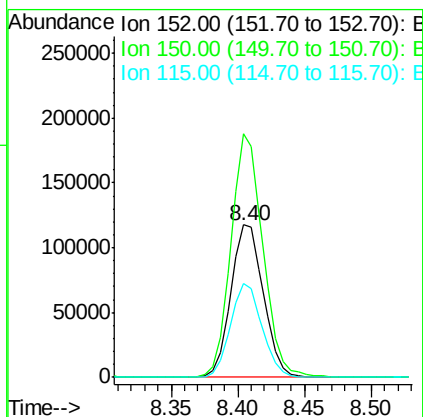
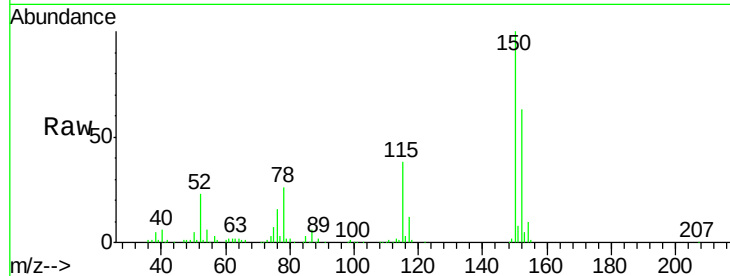
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.40 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Instrument :
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MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	199032		
150	159.7	119.5	179.3	
115	61.3	43.0	64.4	

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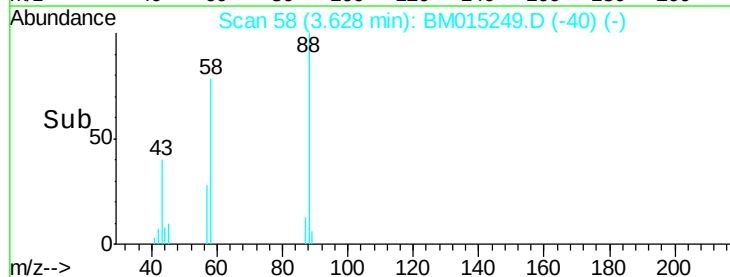
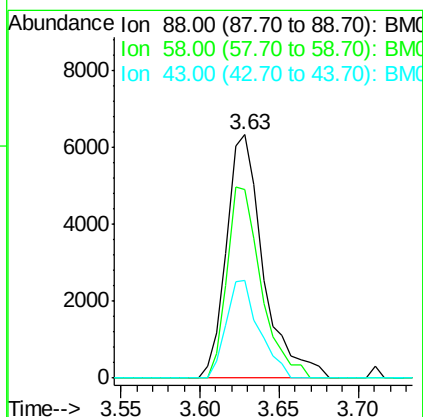
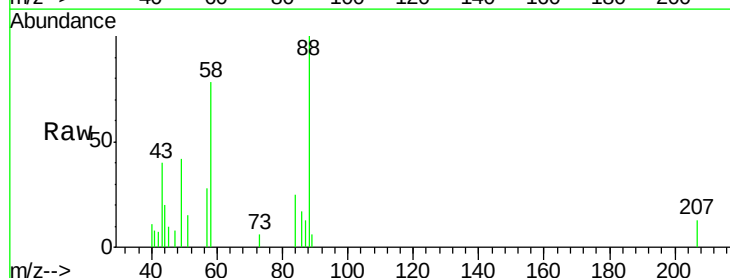
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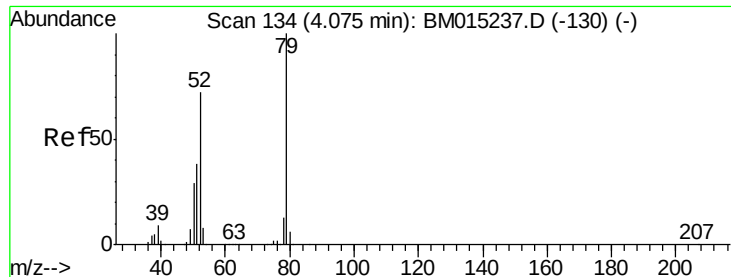


#2

1,4-Dioxane
Concen: 2.035 ng
RT: 3.63 min Scan# 58
Delta R.T. 0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	10230		
58	72.6	0.0	0.0#	
43	35.8	0.0	0.0#	





#3

Pyridine

Concen: 1.744 ng m

RT: 4.11 min Scan# 140

Delta R.T. 0.04 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

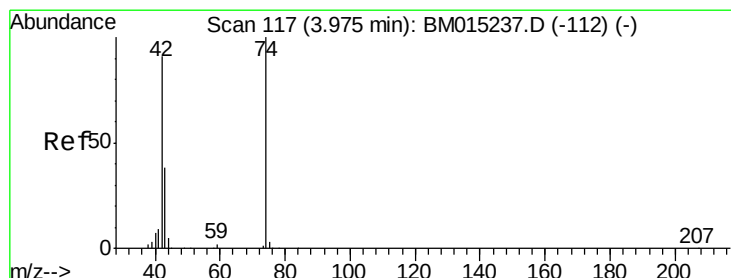
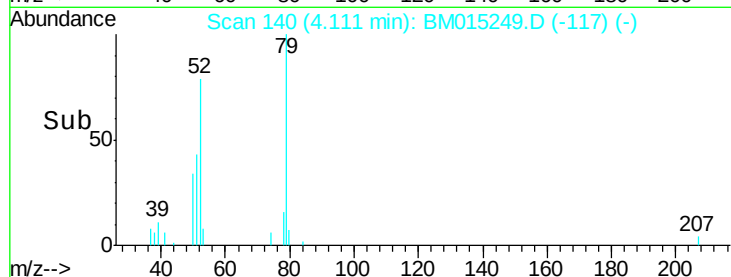
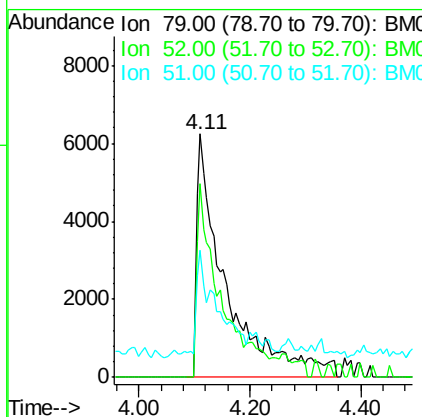
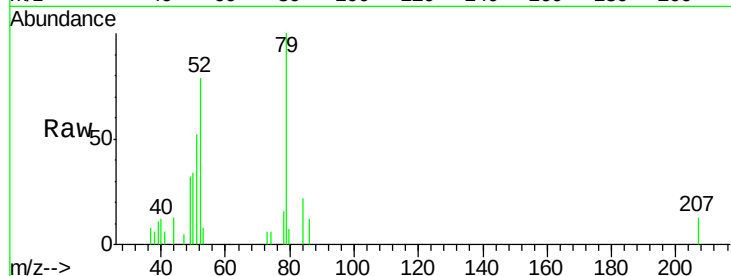
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	79	Resp:	22451
Ion	Ratio	Lower	Upper
79	100		
52	79.5	51.1	76.7#
51	52.4	26.1	39.1#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 1.603 ng m

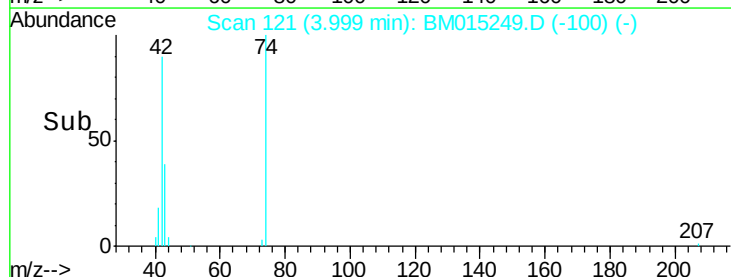
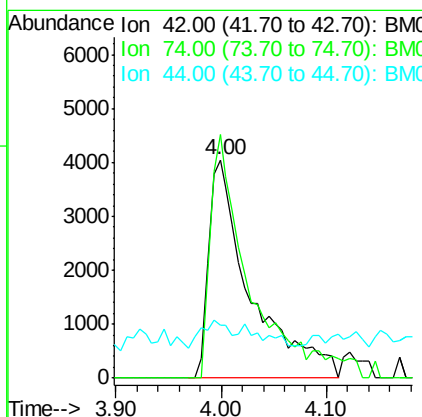
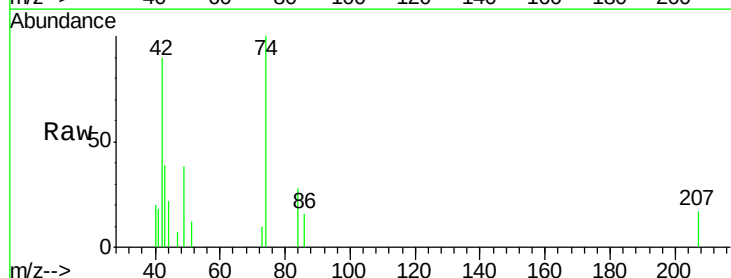
RT: 4.00 min Scan# 121

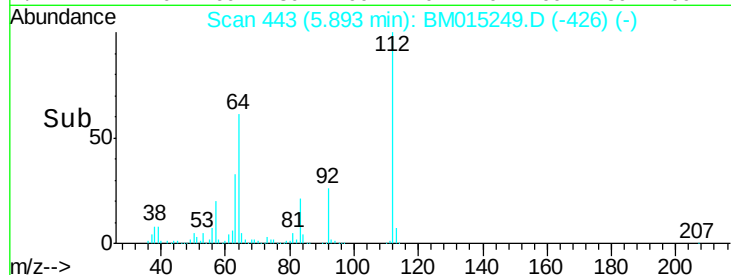
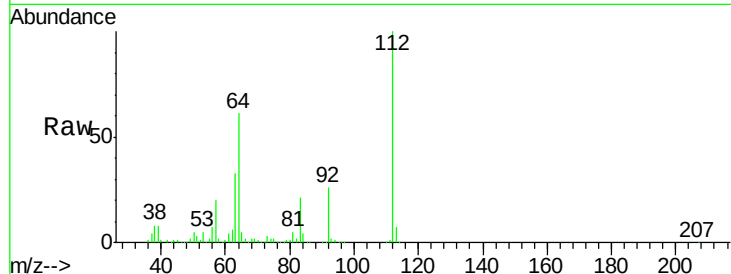
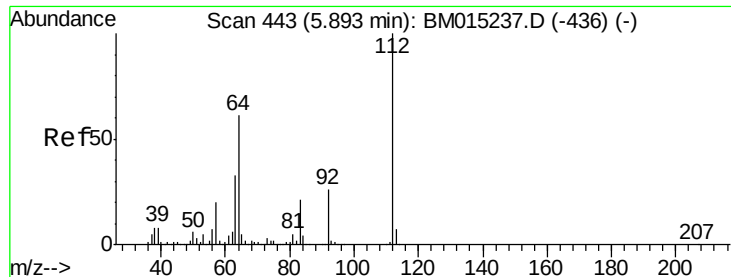
Delta R.T. 0.02 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	42	Resp:	11168
Ion	Ratio	Lower	Upper
42	100		
74	111.5	119.3	178.9#
44	24.4	5.4	8.2#





#5

2-Fluorophenol

Concen: 137.334 ng

RT: 5.89 min Scan# 443

Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

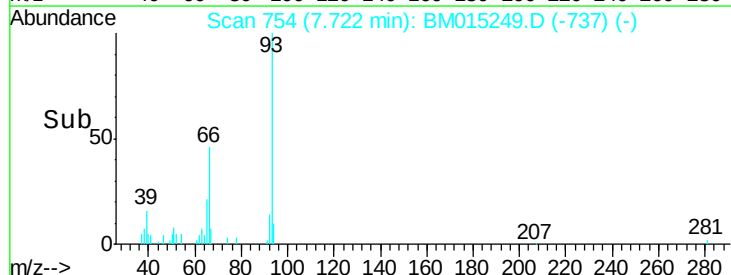
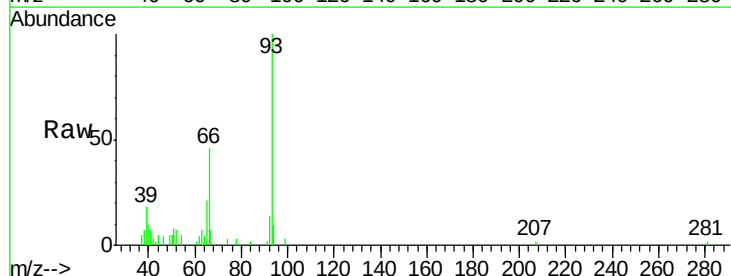
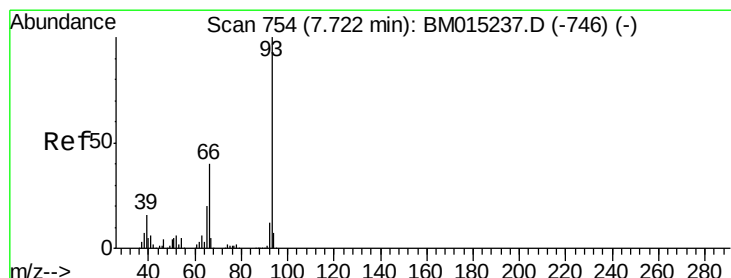
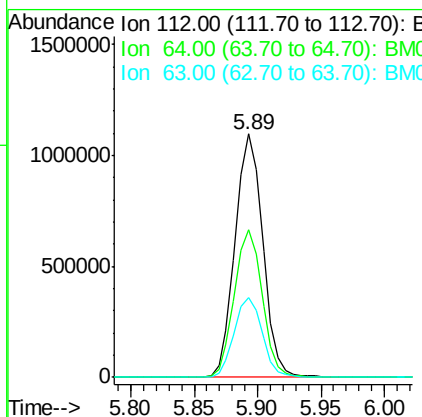
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	112	Resp:	1670691
Ion Ratio	Lower	Upper	
112	100		
64	60.6	38.6	57.8#
63	33.0	19.3	28.9#

Manual Integrations
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#6

Aniline

Concen: 1.668 ng

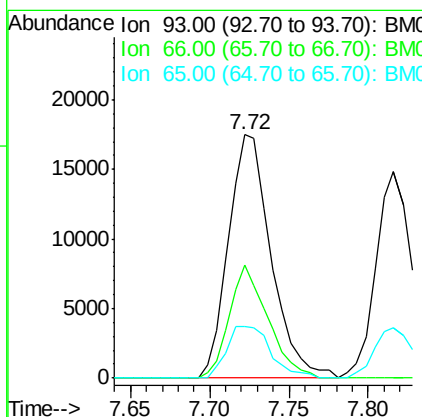
RT: 7.72 min Scan# 754

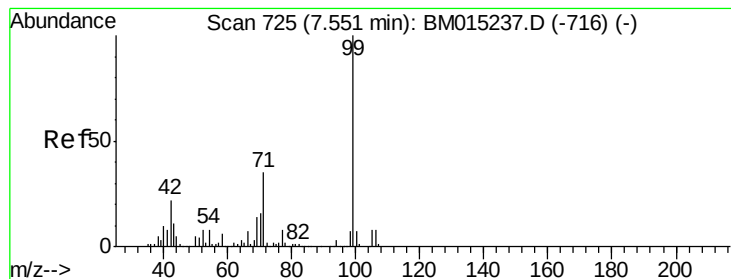
Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	93	Resp:	32561
Ion Ratio	Lower	Upper	
93	100		
66	46.2	30.8	46.2#
65	21.4	16.0	24.0





#7

Phenol-d6

Concen: 133.959 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion: 99 Resp: 2122109

Ion Ratio Lower Upper

99 100

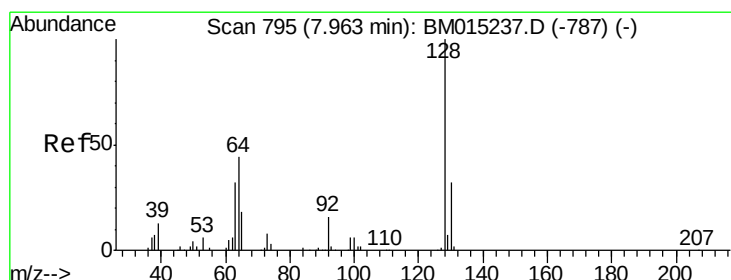
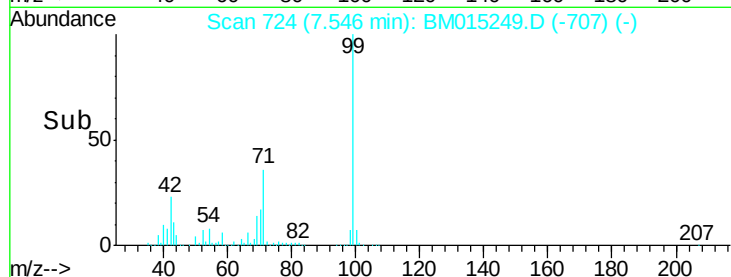
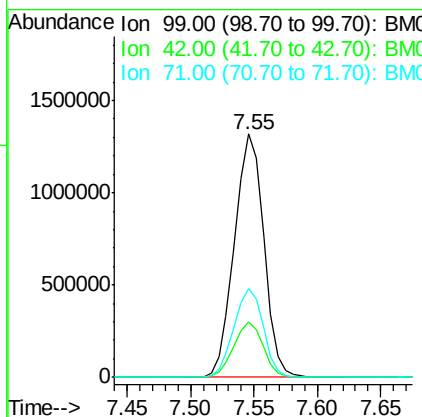
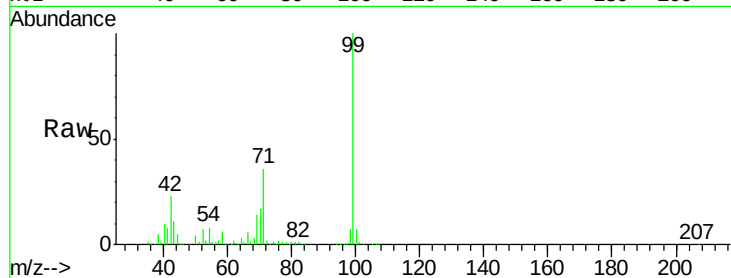
42 22.6 11.0 16.4#

71 36.4 23.4 35.2#

Manual Integrations
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#8

2-Chlorophenol

Concen: 1.886 ng

RT: 7.96 min Scan# 795

Delta R.T. 0.00 min

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Acq: 22 May 2018 20:36

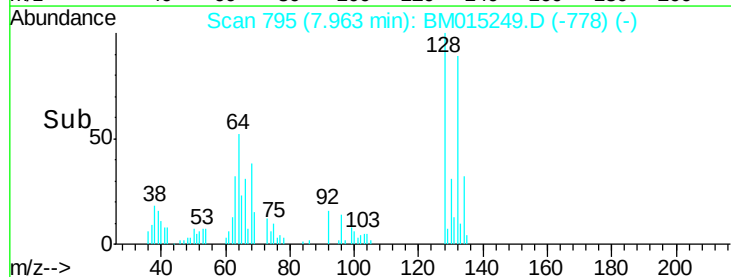
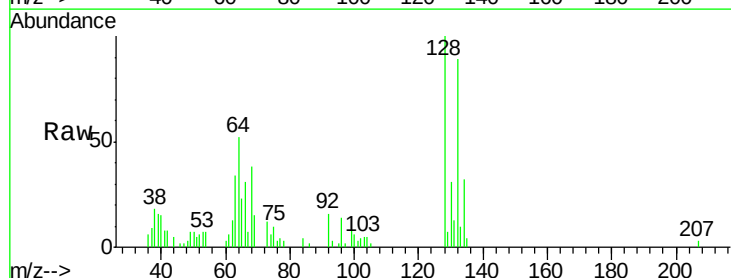
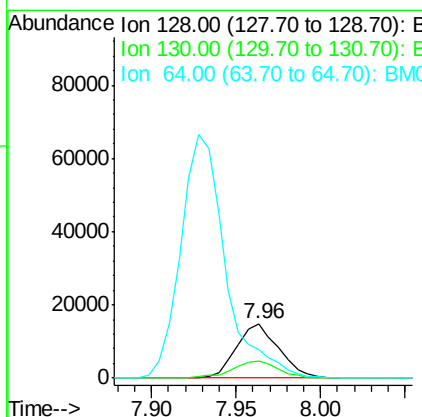
Tgt Ion: 128 Resp: 25887

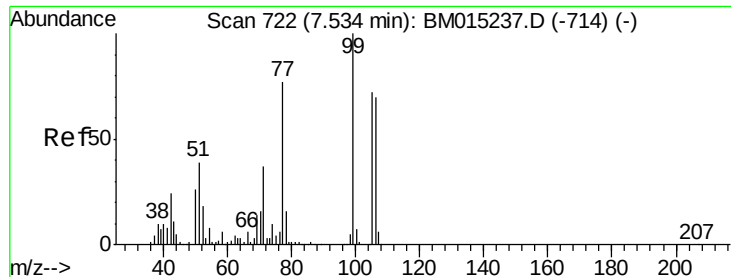
Ion Ratio Lower Upper

128 100

130 30.6 12.0 52.0

64 51.9 24.9 64.9





#9

Benzaldehyde

Concen: 1.540 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

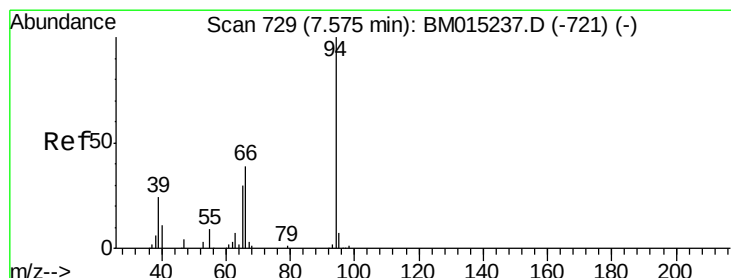
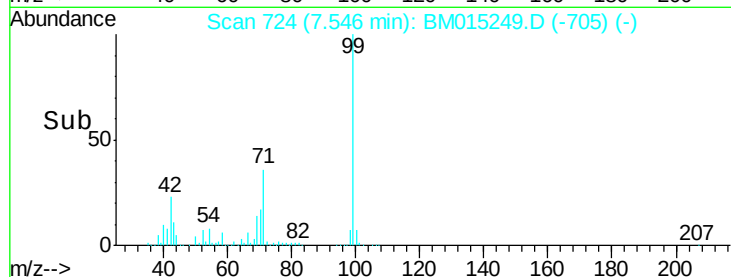
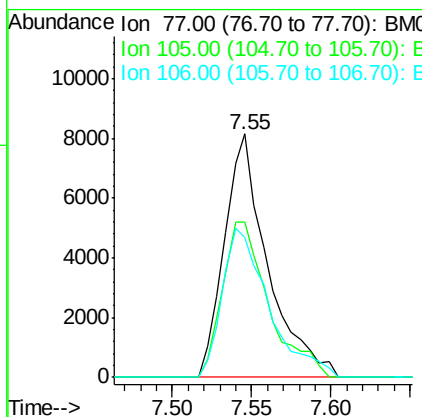
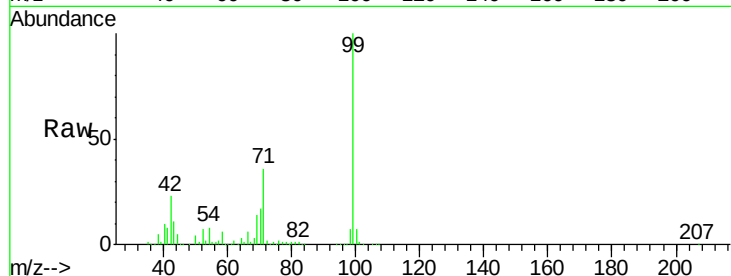
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion: 77 Resp: 15427
 Ion Ratio Lower Upper
 77 100
 105 63.7 78.8 118.8#
 106 57.2 73.7 113.7#

Manual Integrations
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#10

Phenol

Concen: 1.867 ng

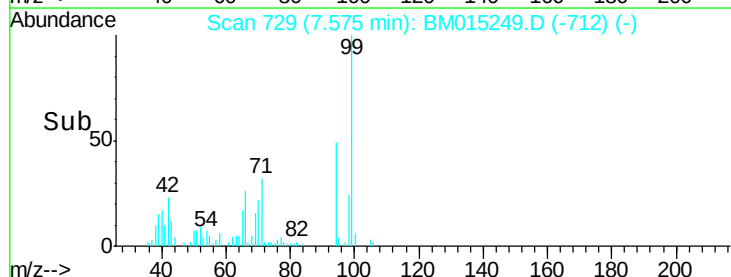
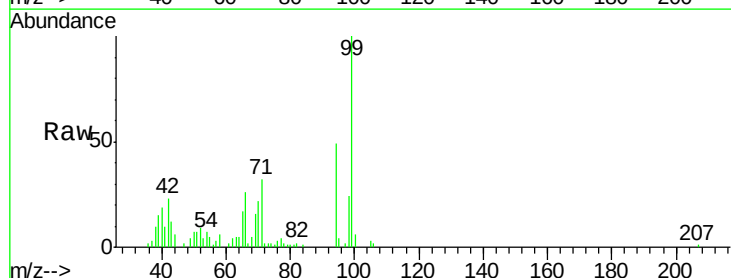
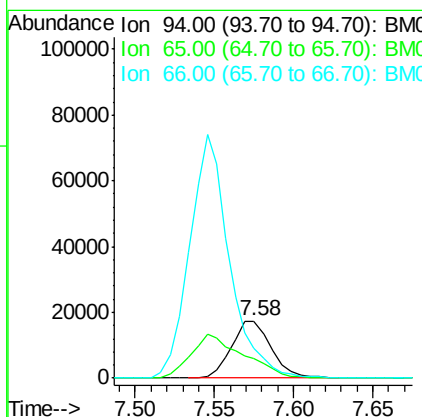
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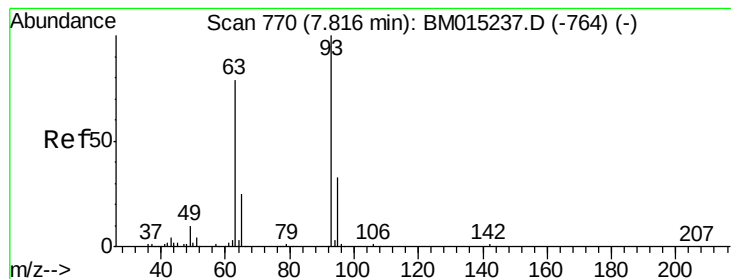
Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion: 94 Resp: 30030
 Ion Ratio Lower Upper
 94 100
 65 34.4 18.8 58.8
 66 53.7 39.9 79.9





#11

bis(2-Chloroethyl)ether

Concen: 1.934 ng

RT: 7.82 min Scan# 770

Delta R.T. 0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

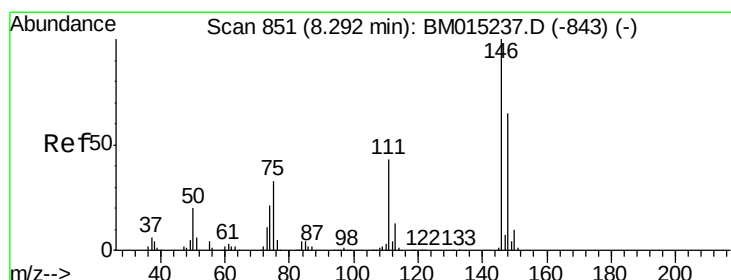
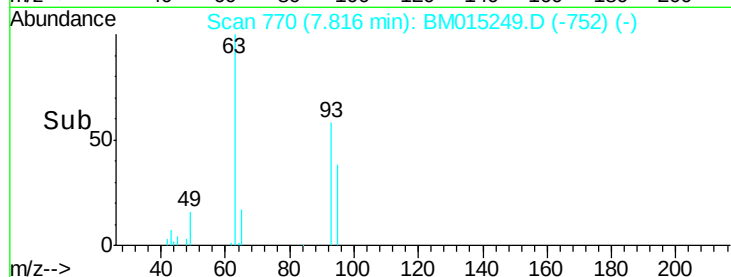
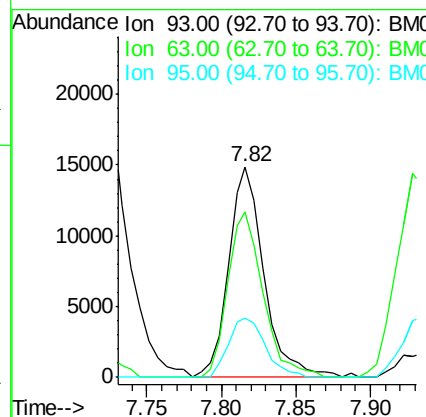
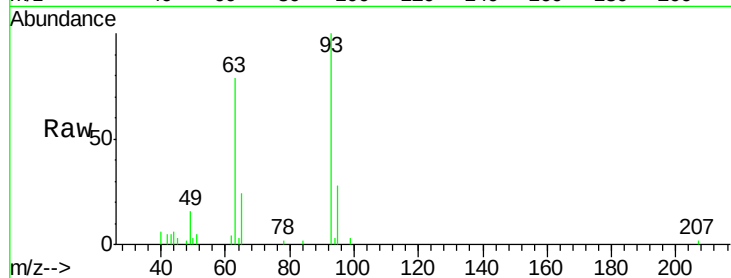
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	93	Resp:	24674
Ion	Ratio	Lower	Upper
93	100		
63	78.6	49.5	89.5
95	28.1	13.5	53.5

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 2.022 ng

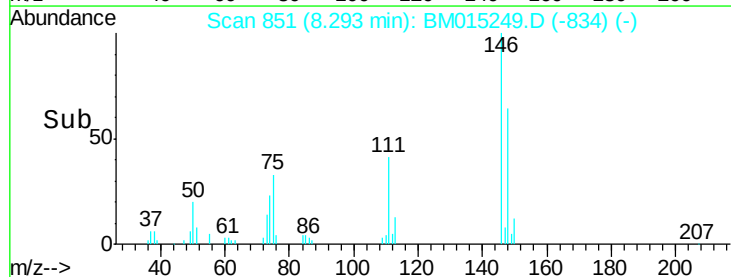
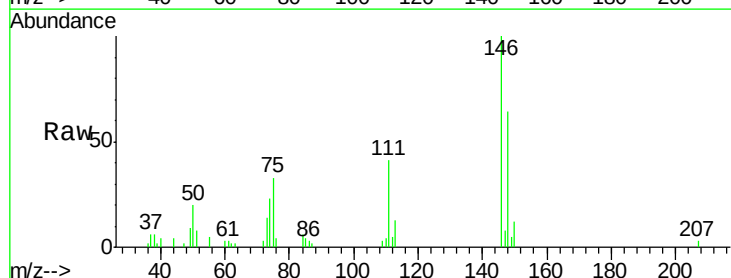
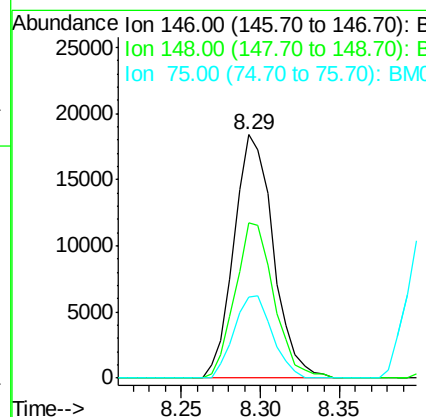
RT: 8.29 min Scan# 851

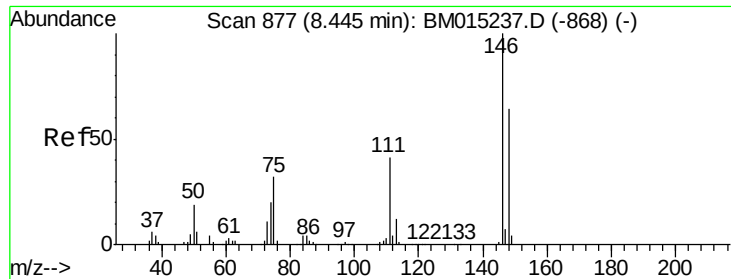
Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	146	Resp:	31657
Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.9	76.3
75	33.4	21.4	32.2#





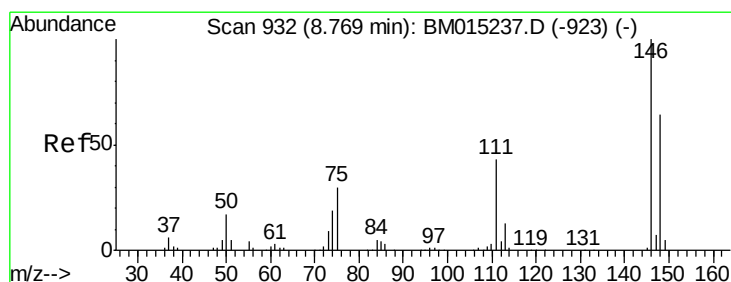
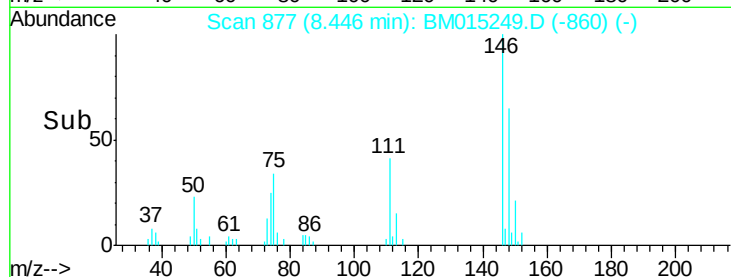
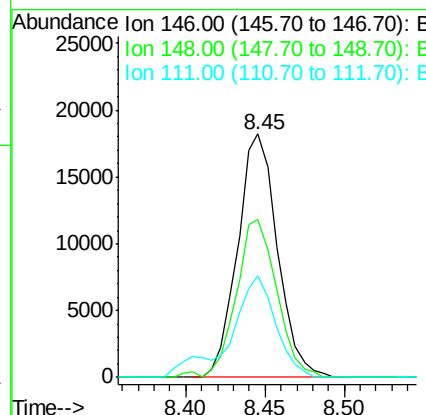
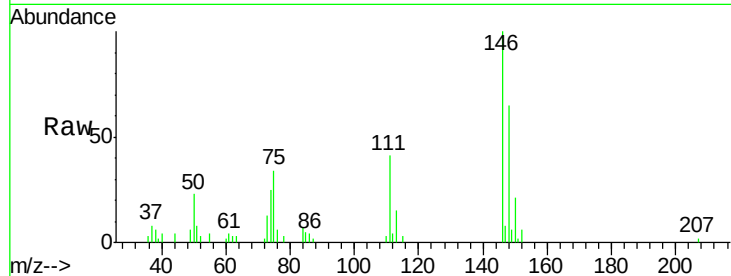
#13
 1,4-Dichlorobenzene
 Concen: 2.002 ng
 RT: 8.45 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.9	77.9
111	41.5	29.2	43.8

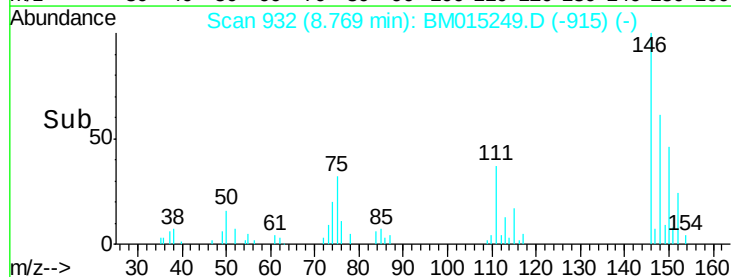
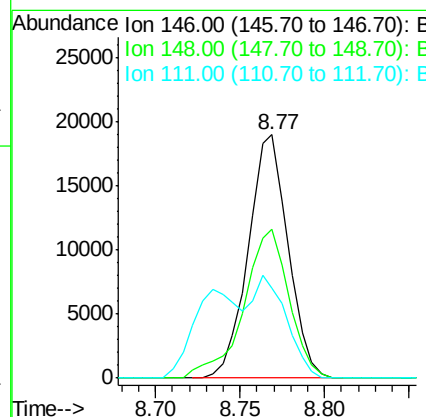
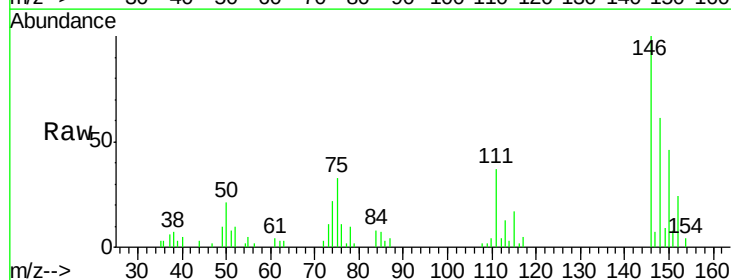
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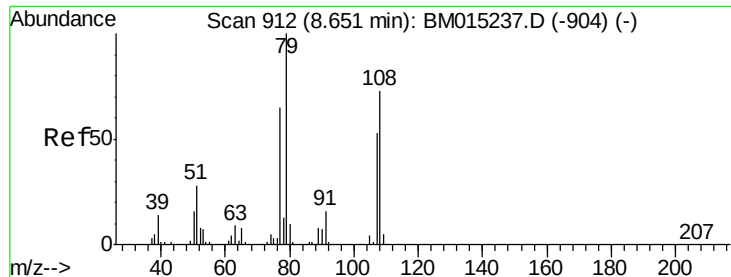
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 2.074 ng
 RT: 8.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.0	52.3	78.5
111	36.8	30.6	45.8





#15

Benzyl Alcohol

Concen: 1.658 ng

RT: 8.66 min Scan# 913

Delta R.T. 0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

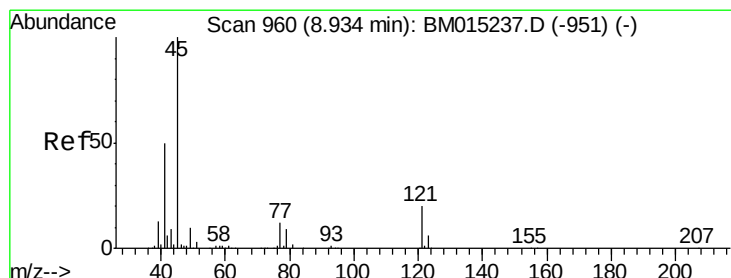
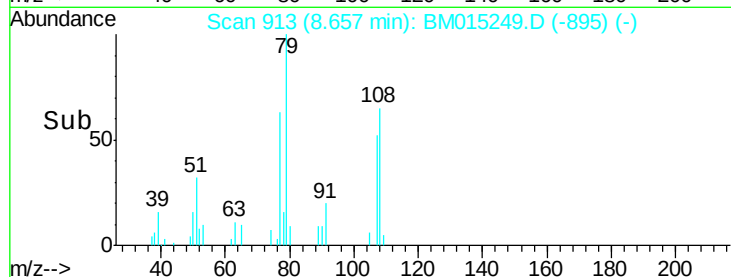
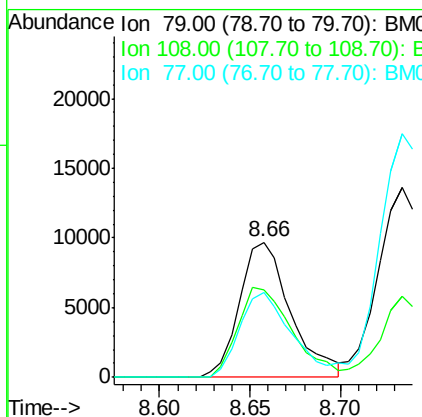
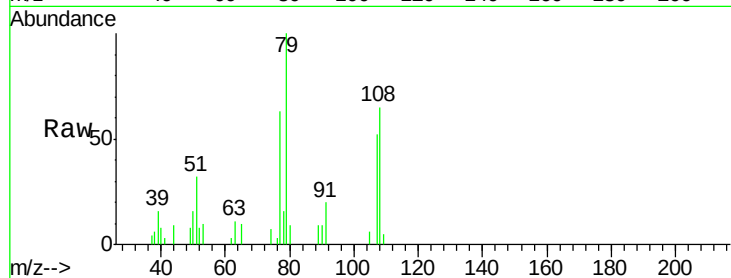
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	79	Resp:	18992
Ion Ratio	Lower	Upper	
79	100		
108	64.5	65.0	97.4#
77	63.1	53.0	79.6

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.931 ng

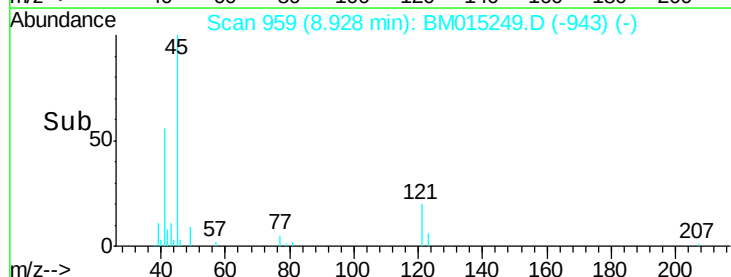
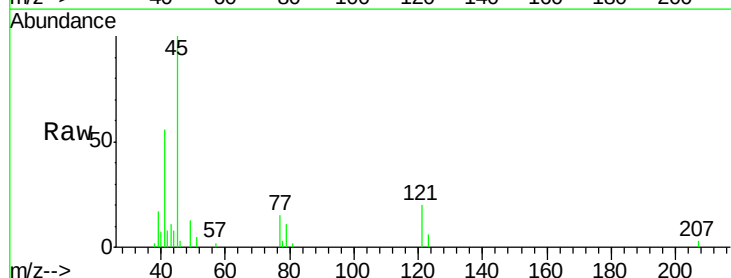
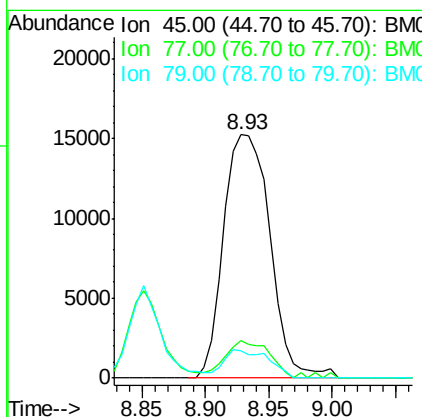
RT: 8.93 min Scan# 959

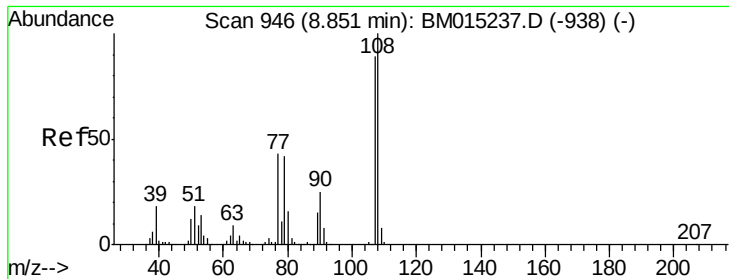
Delta R.T. -0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	45	Resp:	38879
Ion Ratio	Lower	Upper	
45	100		
77	15.3	0.0	35.2
79	11.1	0.0	32.0





#17

2-Methylphenol

Concen: 1.779 ng

RT: 8.85 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM015249.D

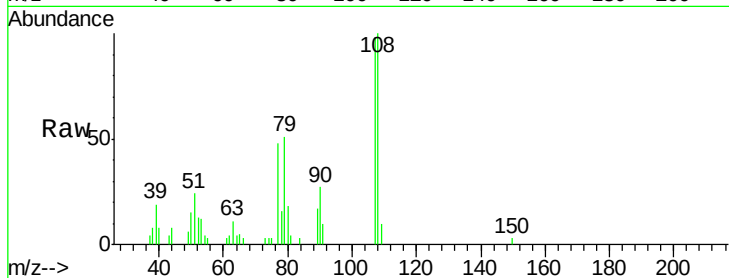
Acq: 22 May 2018 20:36

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018



Tgt Ion:107 Resp: 19028

Ion Ratio Lower Upper

107 100

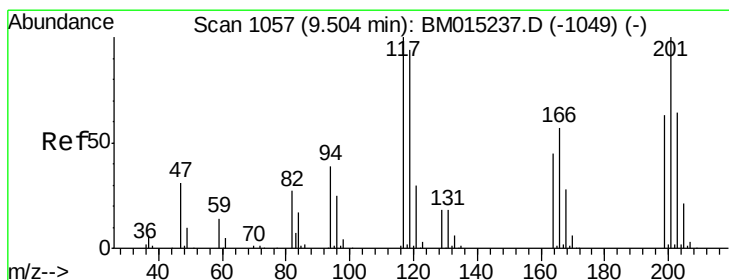
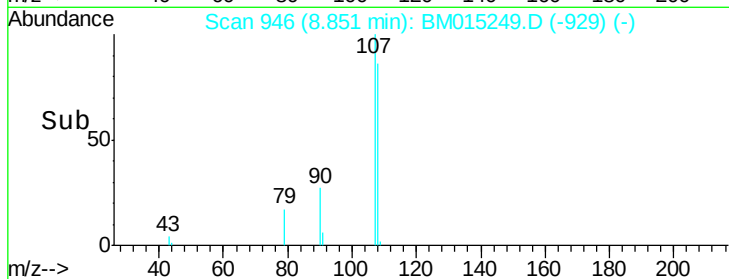
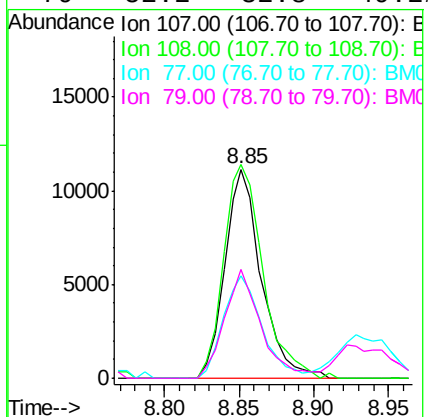
108 102.1 89.8 134.8

77 49.2 32.6 48.8#

79 52.2 32.8 49.2#

Manual Integrations
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#18

Hexachloroethane

Concen: 1.806 ng

RT: 9.50 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

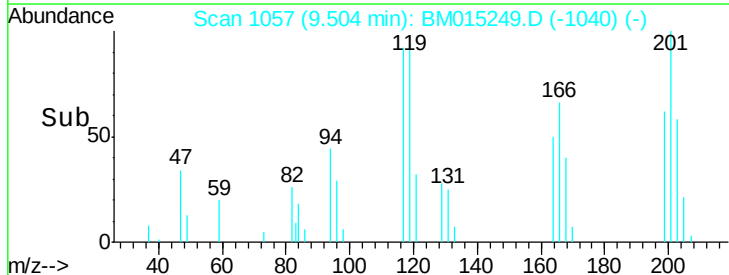
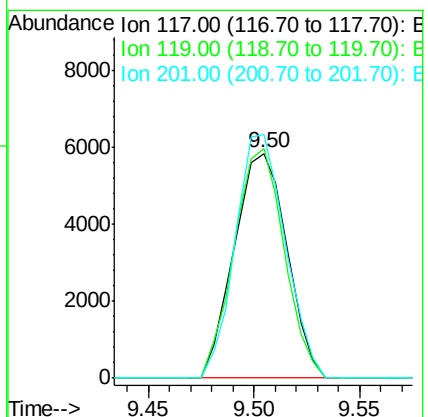
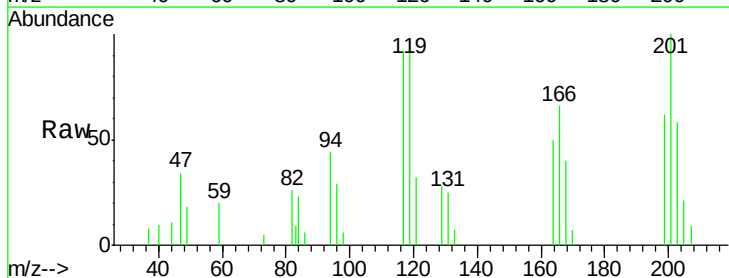
Tgt Ion:117 Resp: 10150

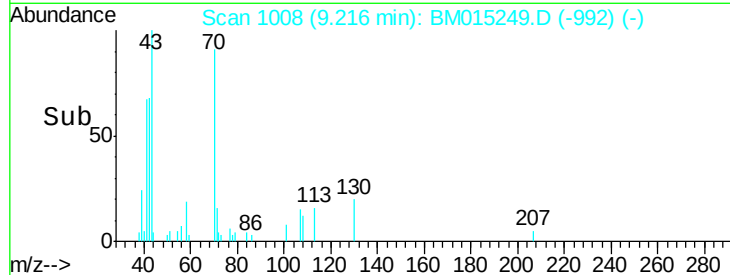
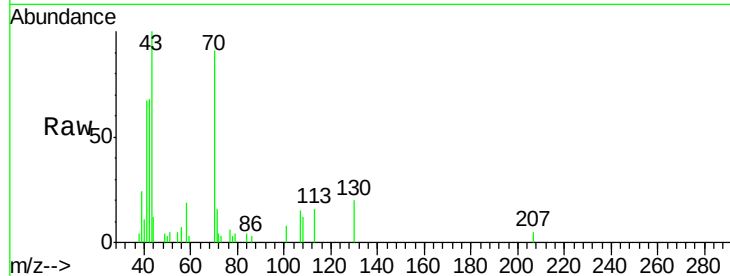
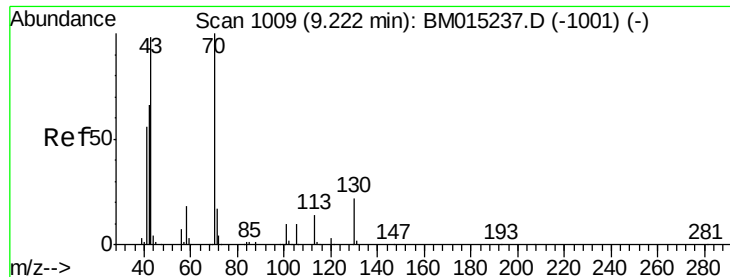
Ion Ratio Lower Upper

117 100

119 102.3 79.2 118.8

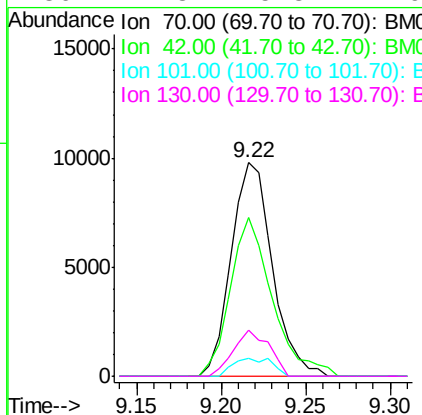
201 108.3 69.8 104.6#





#19
n-Nitroso-di-n-propylamine
Concen: 1.649 ng
RT: 9.22 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

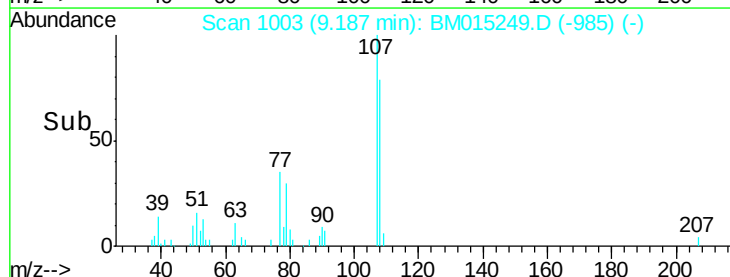
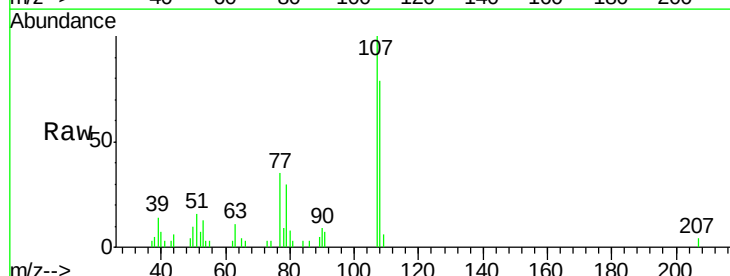
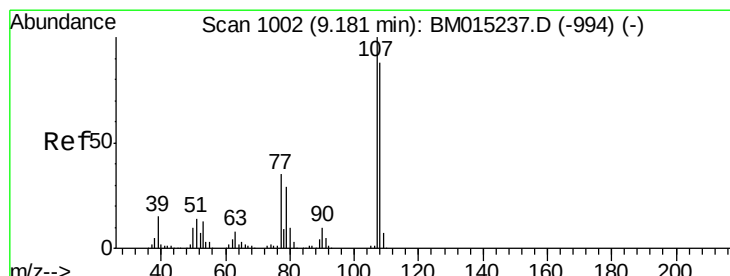
Tgt Ion	Ratio	Lower	Upper
70	100		
42	74.6	44.5	66.7#
101	8.7	7.4	11.2
130	21.8	15.3	22.9



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

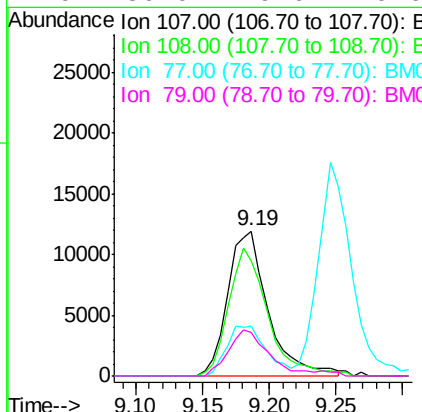
Manual Integrations
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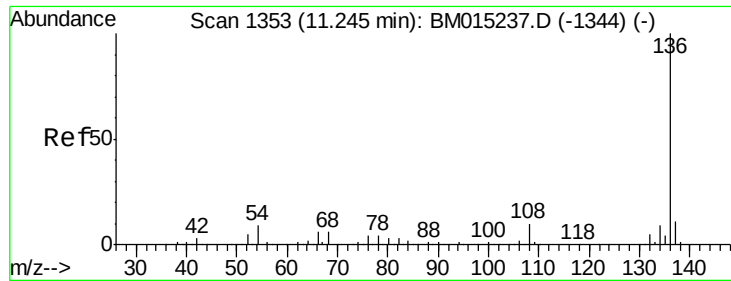
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#20
3+4-Methylphenols
Concen: 1.775 ng
RT: 9.19 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.2	73.2	113.2
77	34.7	10.7	50.7
79	30.0	9.6	49.6





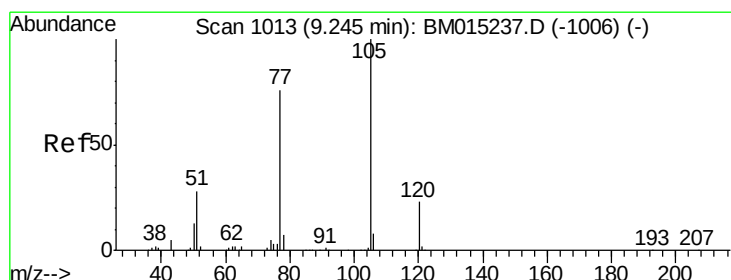
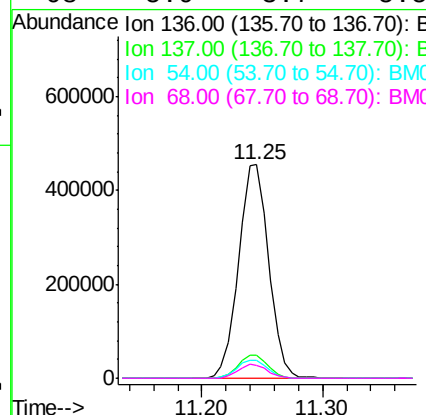
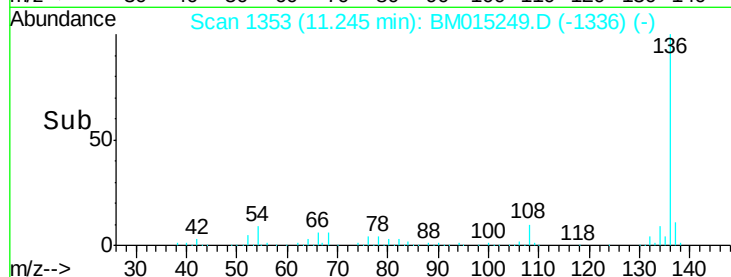
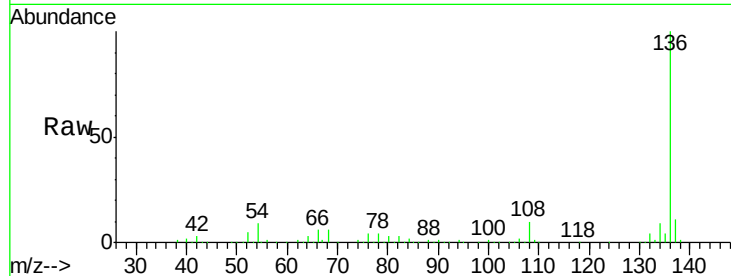
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.25 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	791991		
137	10.7	8.7	13.1	
54	8.6	4.6	6.8#	
68	5.9	3.7	5.5#	

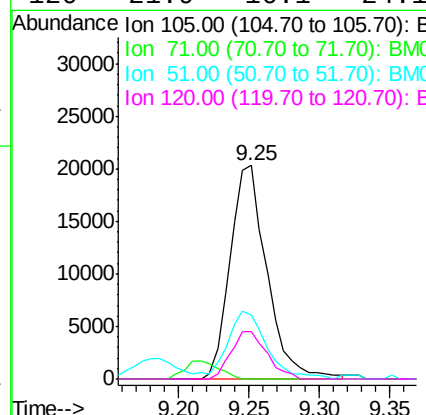
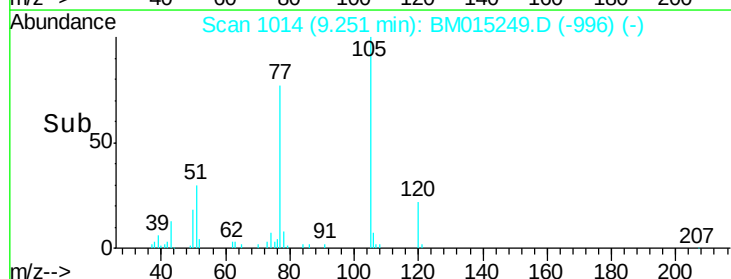
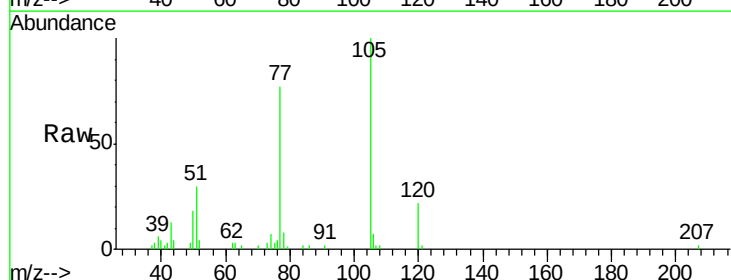
Manual Integrations
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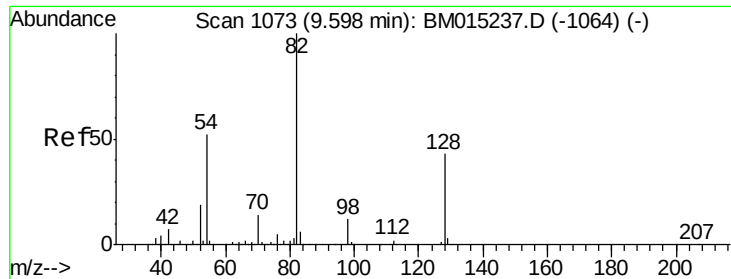
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#22
Acetophenone
Concen: 1.942 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	36904		
71	0.0	0.6	1.0#	
51	30.0	21.6	32.4	
120	21.9	16.1	24.1	





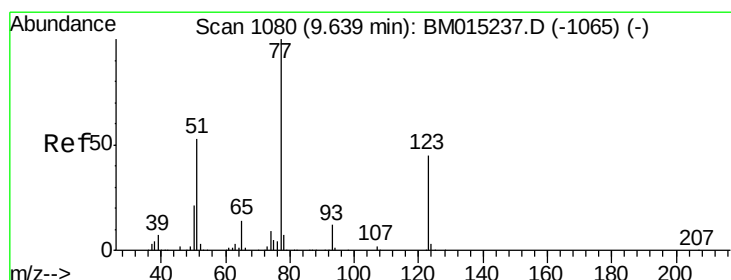
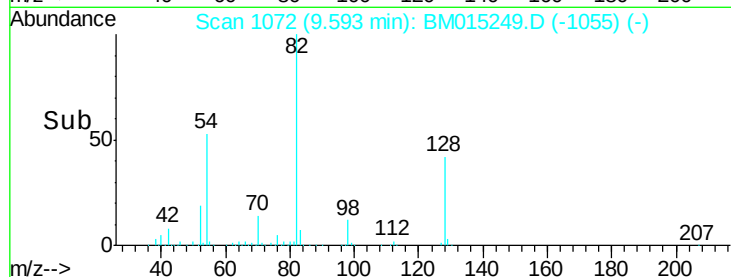
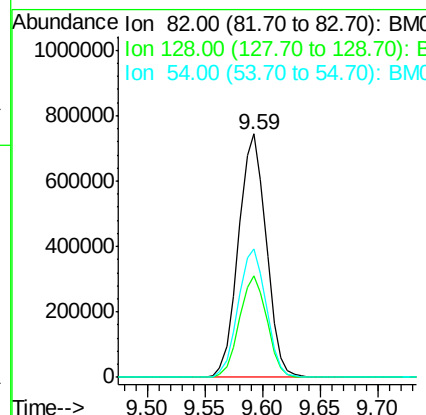
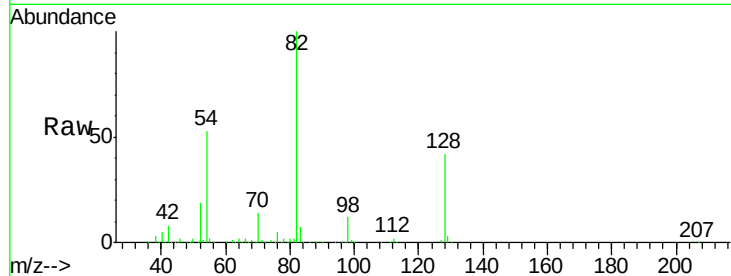
#23
 Nitrobenzene-d5
 Concen: 85.862 ng
 RT: 9.59 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.8	49.2
54	52.9	40.6	60.8

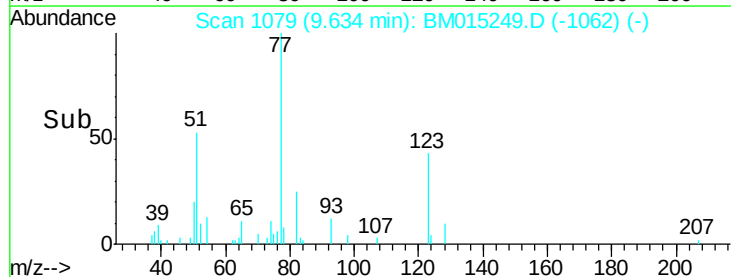
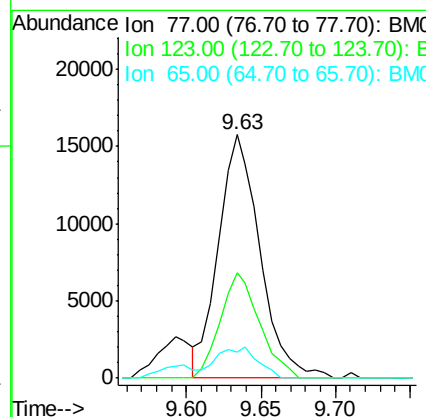
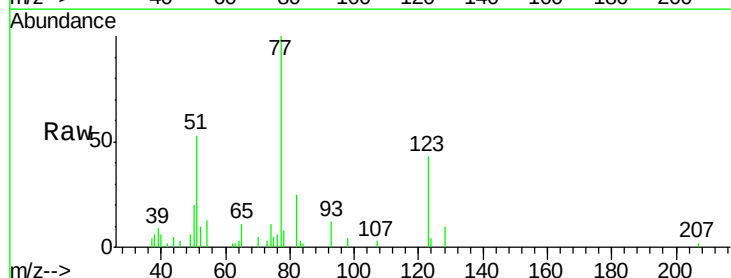
Manual Integrations
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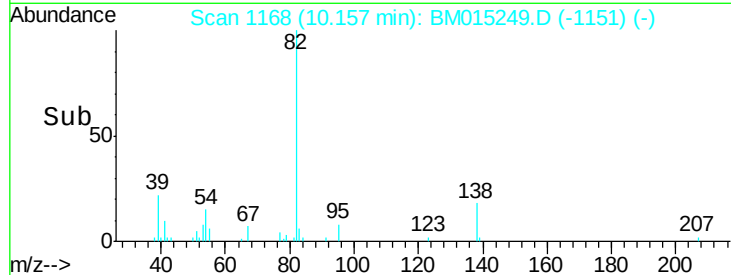
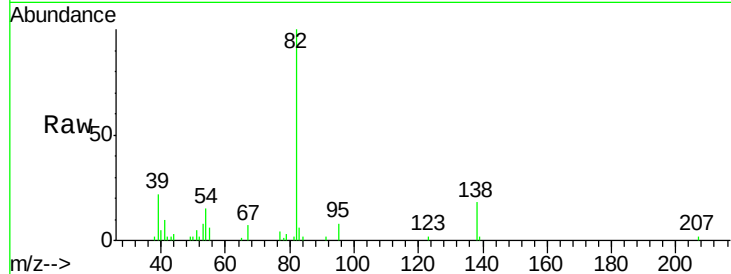
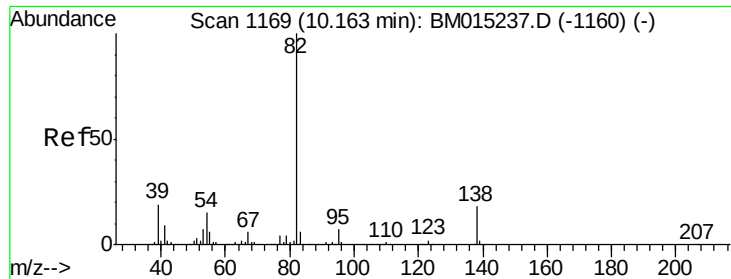
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#24
 Nitrobenzene
 Concen: 2.027 ng
 RT: 9.63 min Scan# 1079
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.4	32.6	49.0
65	10.8	10.9	16.3#





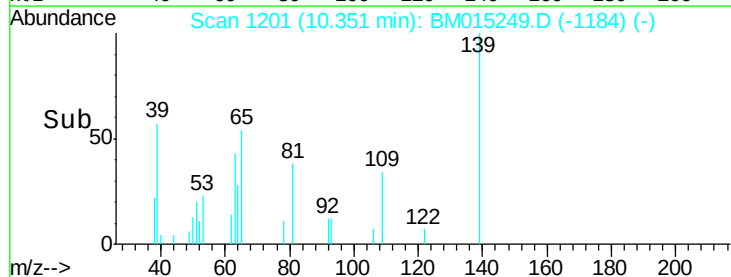
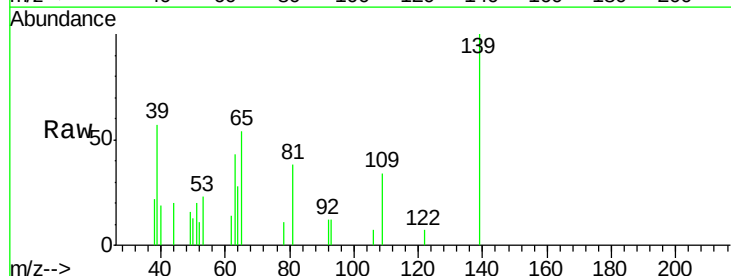
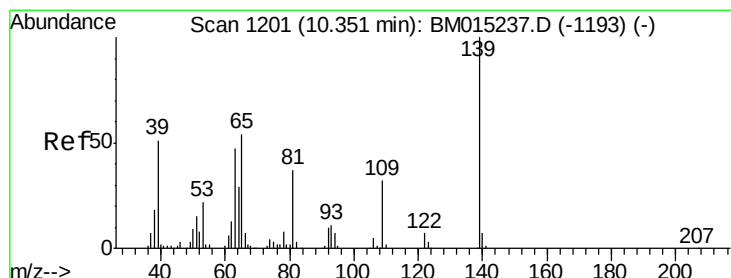
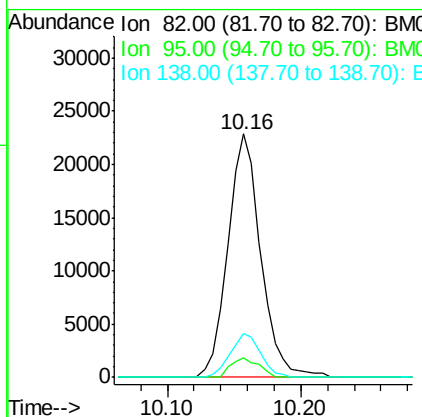
#25
Isophorone
Concen: 1.581 ng
RT: 10.16 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion:	82	Resp:	39261
Ion Ratio	Lower	Upper	
82	100		
95	7.9	5.8	8.6
138	17.9	16.3	24.5

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

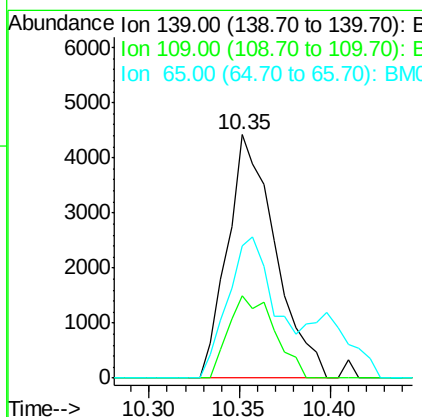
Manual Integrations
APPROVED

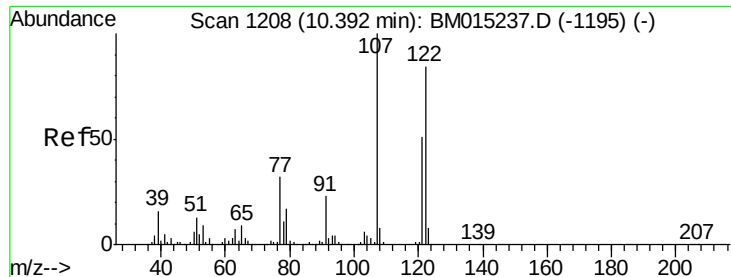
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#26
2-Nitrophenol
Concen: 1.202 ng
RT: 10.35 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion:	139	Resp:	8116
Ion Ratio	Lower	Upper	
139	100		
109	33.7	20.1	30.1#
65	54.4	31.5	47.3#





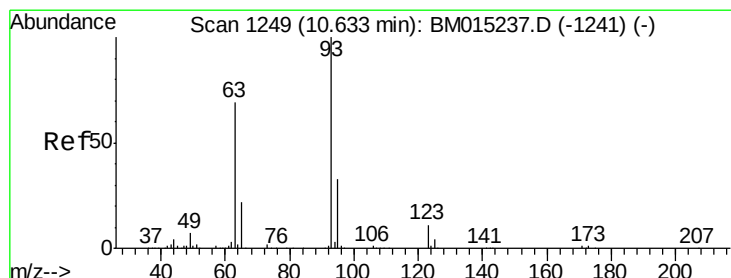
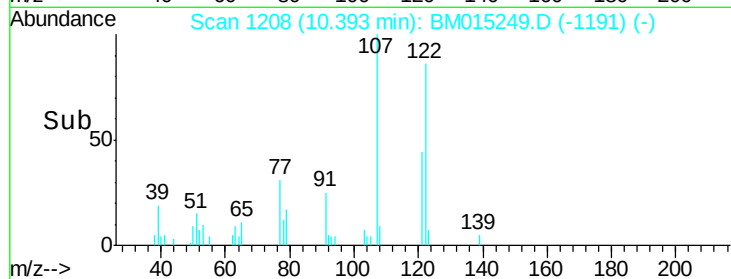
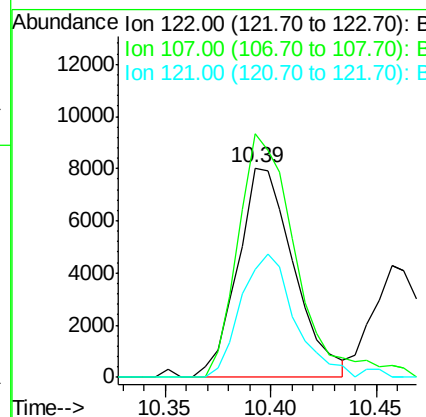
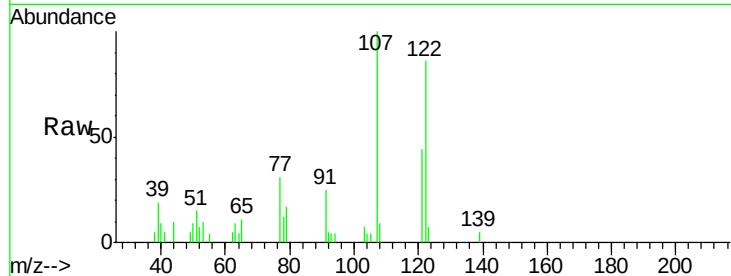
#27
 2,4-Dimethylphenol
 Concen: 1.210 ng
 RT: 10.39 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Lower	Upper
122	100		
107	116.2	84.7	127.1
121	51.7	46.6	69.8

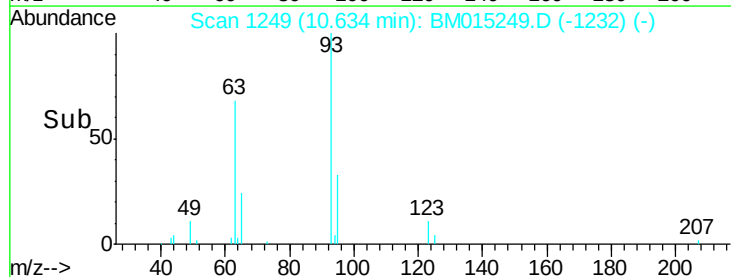
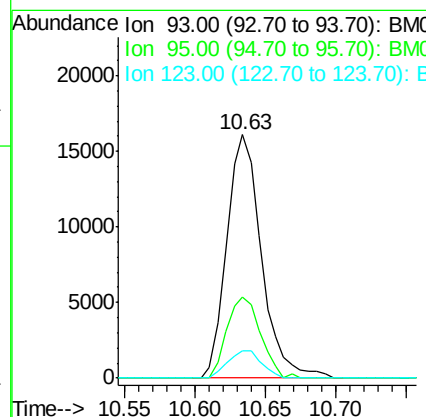
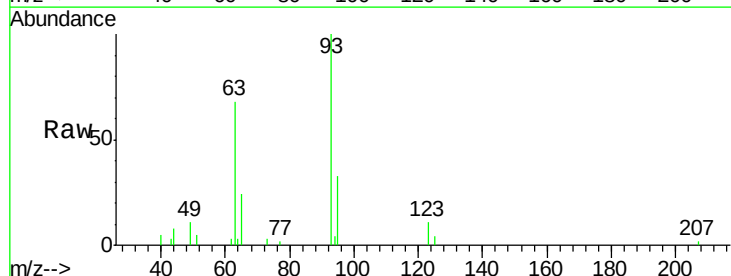
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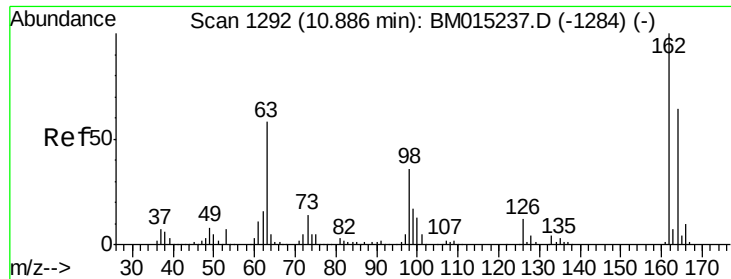
Sohil
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#28
 bis(2-Chloroethoxy)methane
 Concen: 1.692 ng
 RT: 10.63 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.5	38.3
123	11.5	8.6	13.0





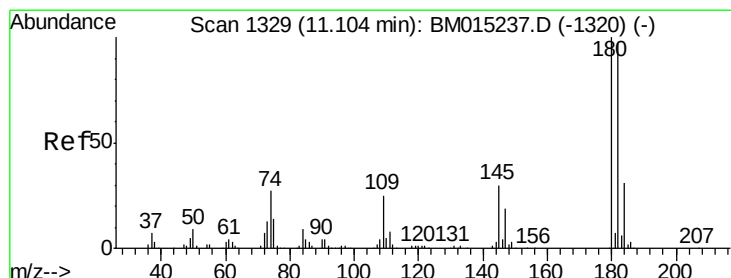
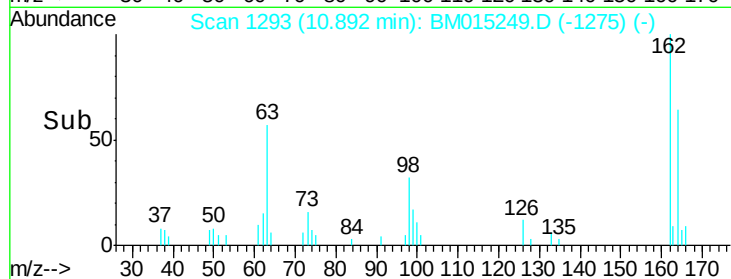
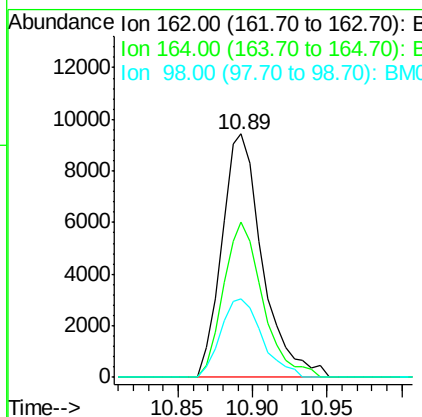
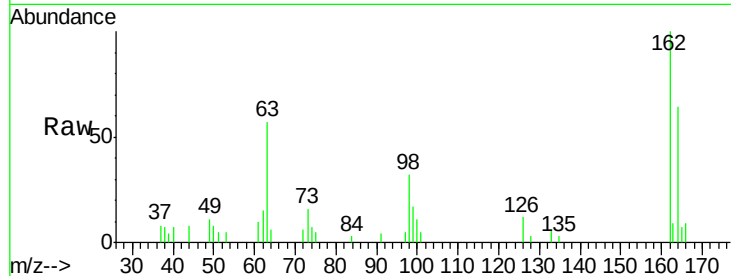
#29
2,4-Dichlorophenol
Concen: 1.541 ng
RT: 10.89 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	17875		
164	63.6	42.8	82.8	
98	32.2	14.5	54.5	

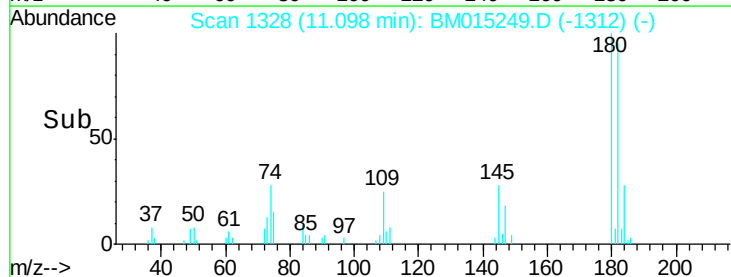
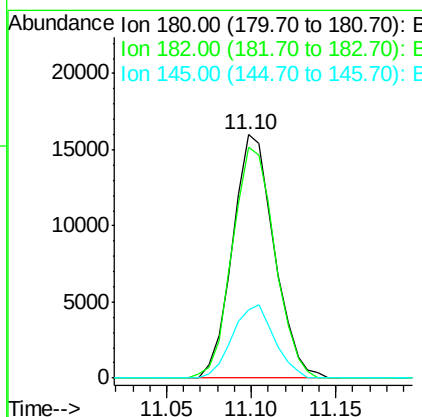
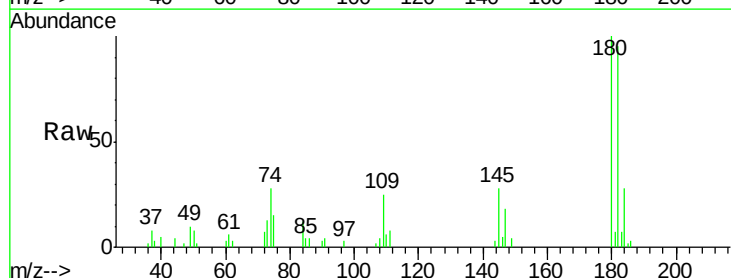
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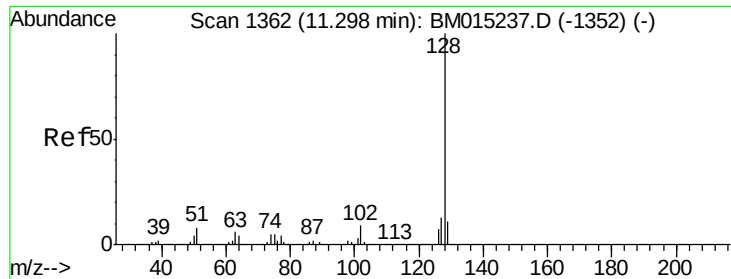
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 2.007 ng
RT: 11.10 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	27429		
182	94.6	77.6	116.4	
145	28.1	23.4	35.2	





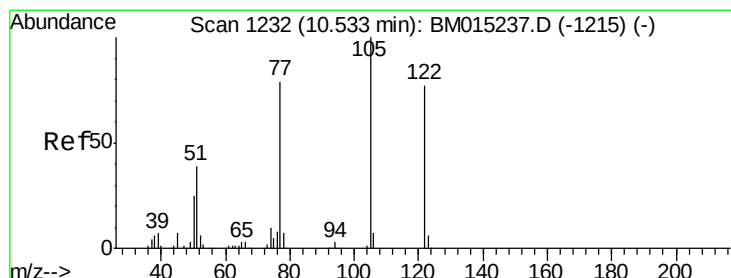
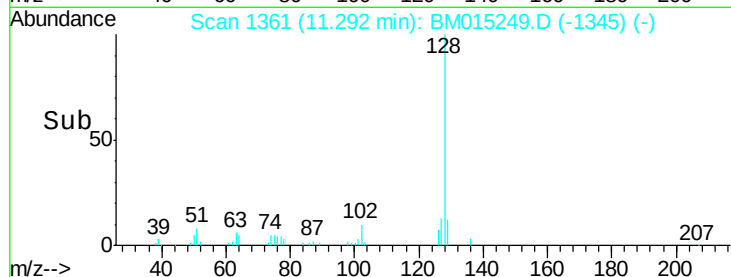
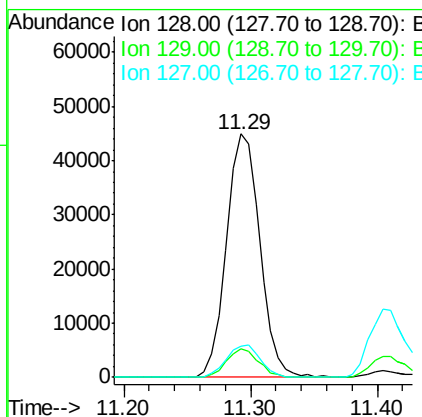
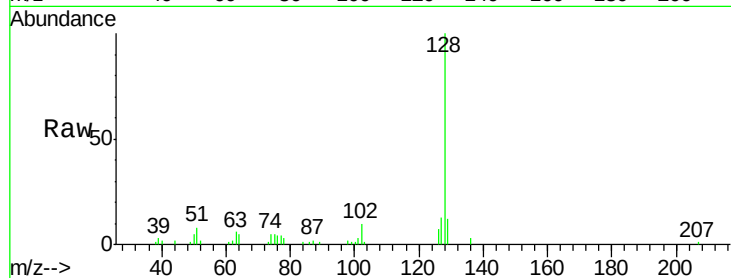
#31
Naphthalene
Concen: 1.988 ng
RT: 11.29 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	81830		
129	11.8		8.9	13.3
127	12.9		10.4	15.6

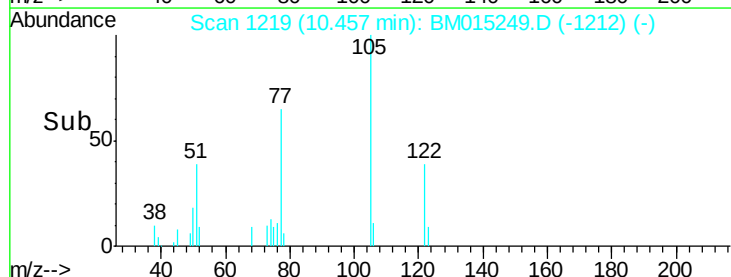
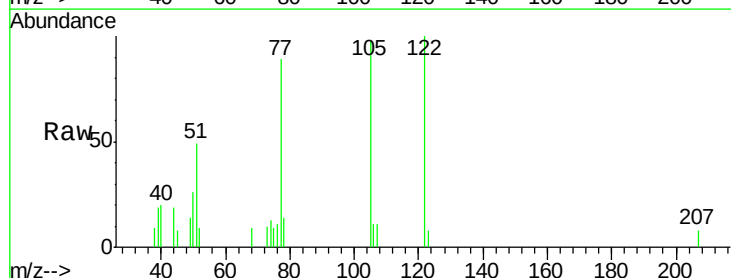
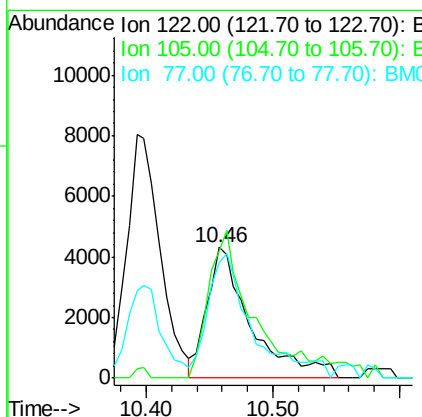
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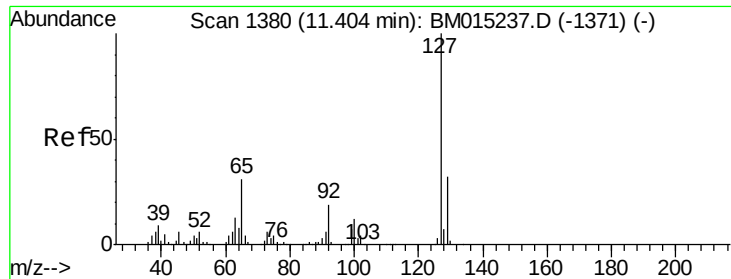
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#32
Benzoic acid
Concen: 1.467 ng m
RT: 10.46 min Scan# 1219
Delta R.T. -0.06 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	10398		
105	97.6		99.9	139.9#
77	88.6		73.7	113.7





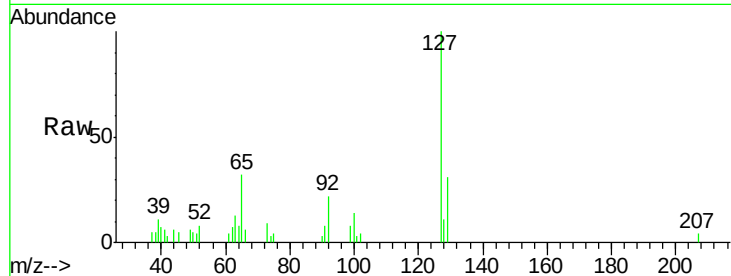
#33
4-Chloroaniline
Concen: 1.587 ng
RT: 11.40 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

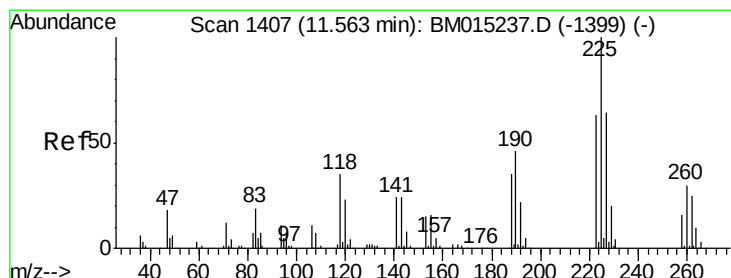
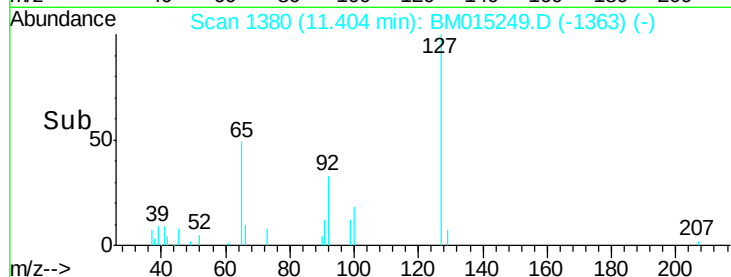
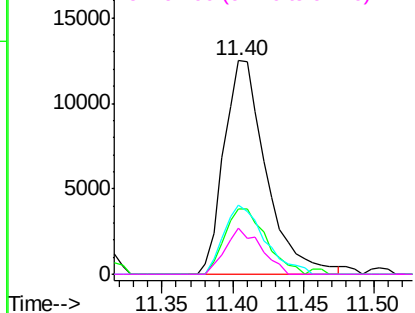
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	26064		
129	30.6	25.3	37.9	
65	32.3	17.6	26.4	
92	21.7	13.1	19.7	

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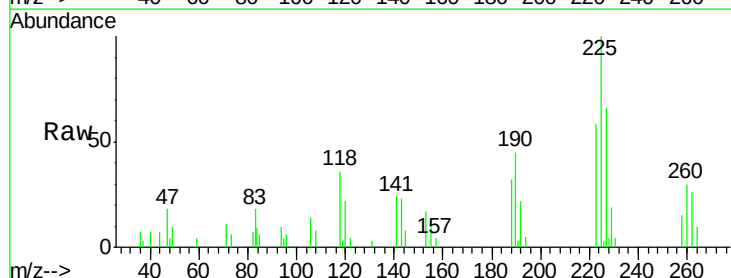


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

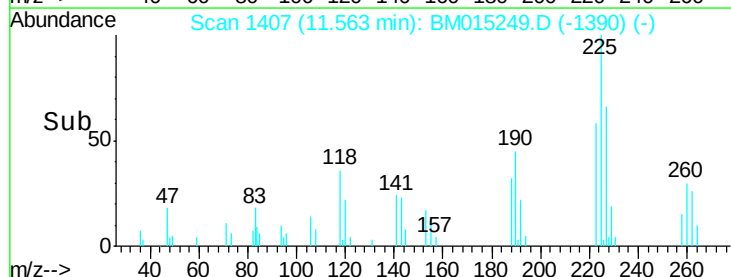
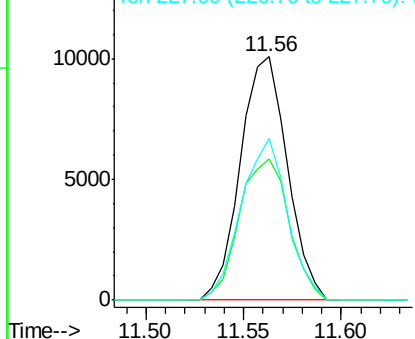


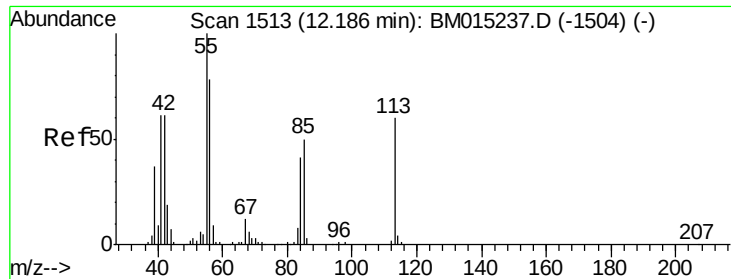
#34
Hexachlorobutadiene
Concen: 2.066 ng
RT: 11.56 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16787		
223	58.2	47.9	71.9	
227	66.4	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





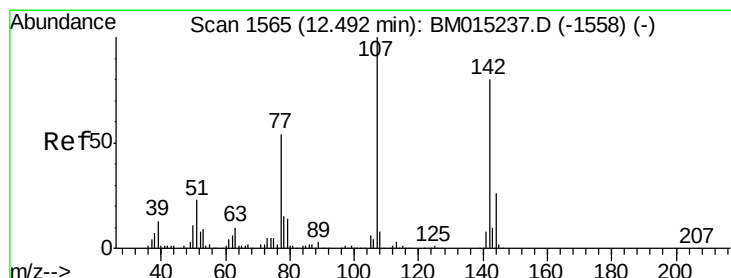
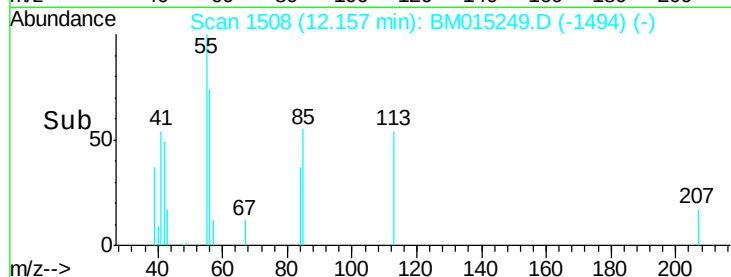
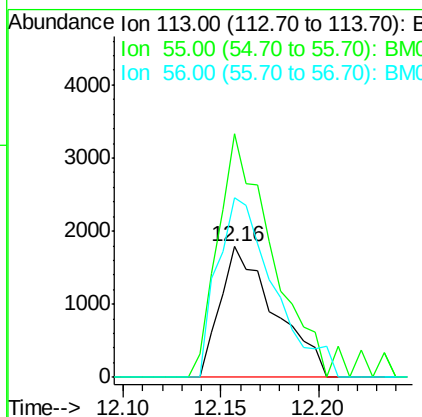
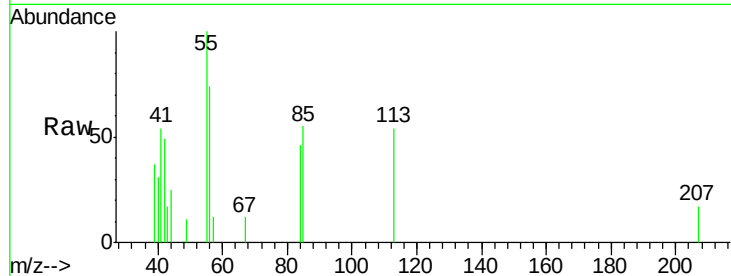
#35
 Caprolactam
 Concen: 1.054 ng
 RT: 12.16 min Scan# 1508
 Delta R.T. -0.02 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Lower	Upper
113	100		
55	186.8	145.9	185.9#
56	137.6	101.0	141.0

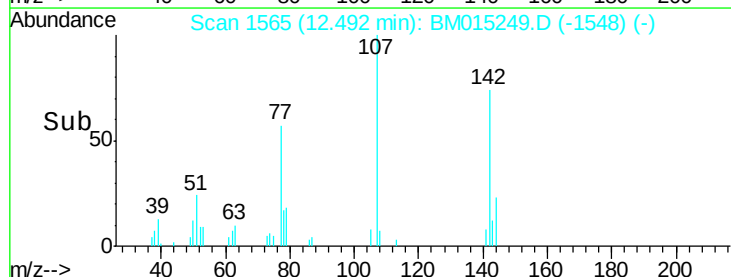
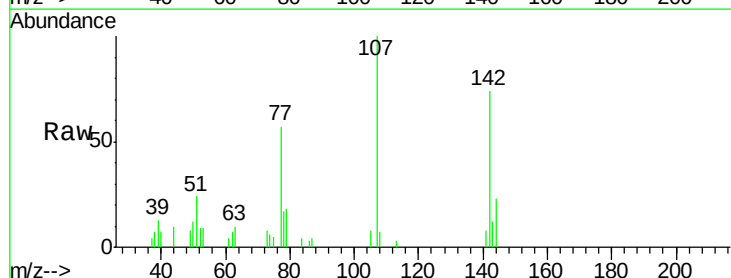
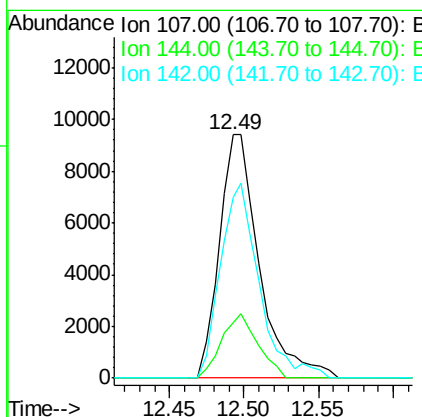
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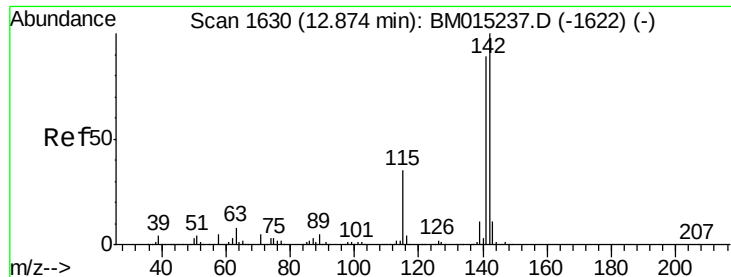
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#36
 4-Chloro-3-methylphenol
 Concen: 1.486 ng
 RT: 12.49 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.6	23.3	34.9#
142	74.4	72.6	109.0





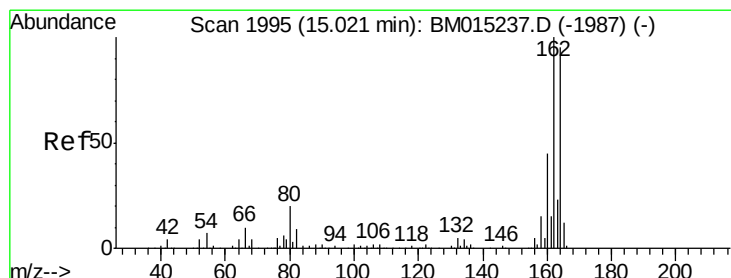
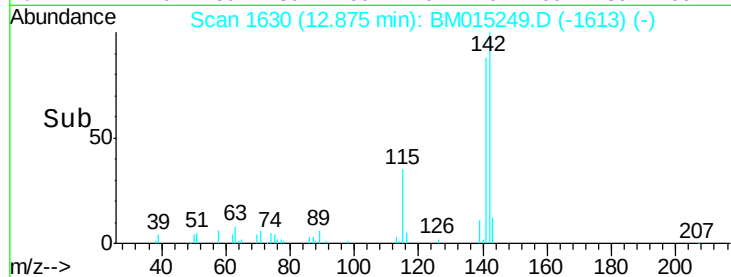
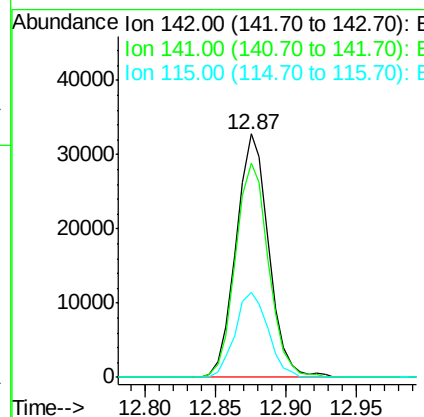
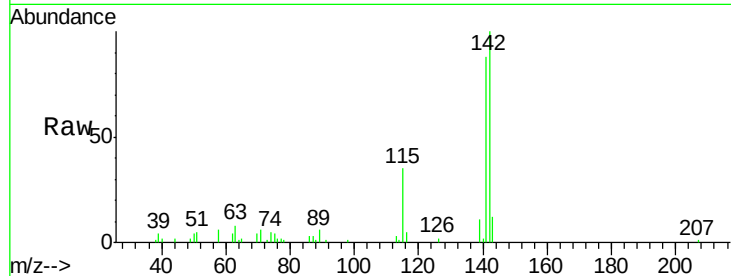
#37
 2-Methylnaphthalene
 Concen: 1.852 ng
 RT: 12.87 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	52843		
141	88.0		71.9	107.9
115	34.7		25.4	38.0

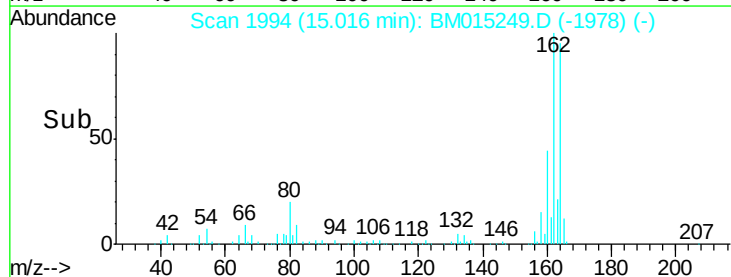
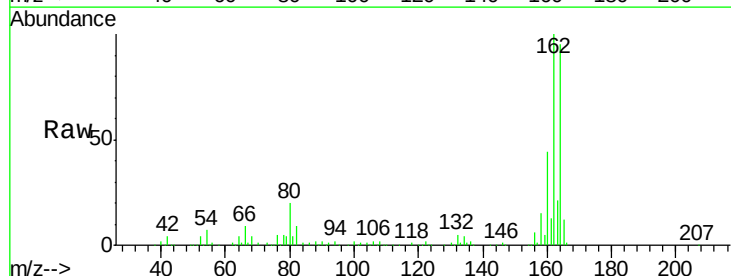
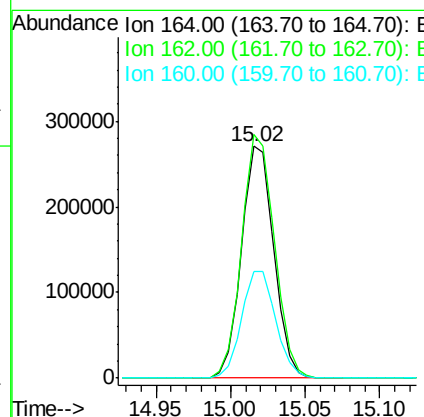
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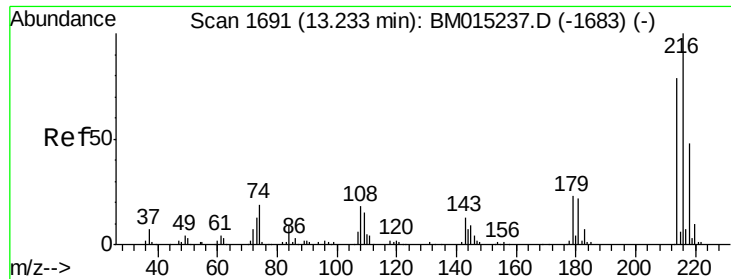
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.02 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	407500		
162	105.2		82.4	123.6
160	46.1		35.8	53.6





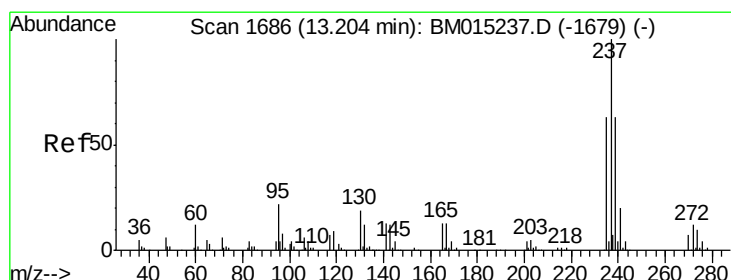
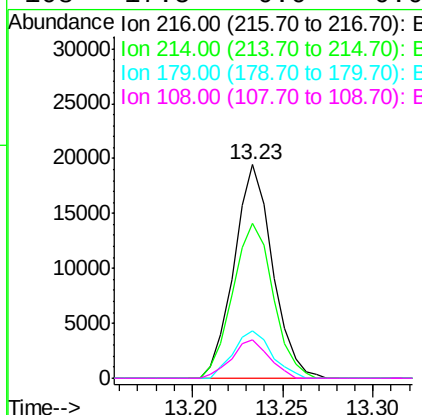
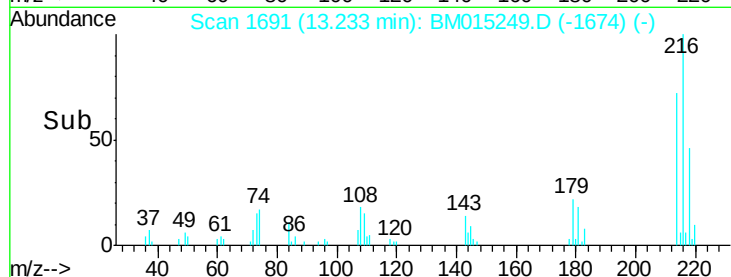
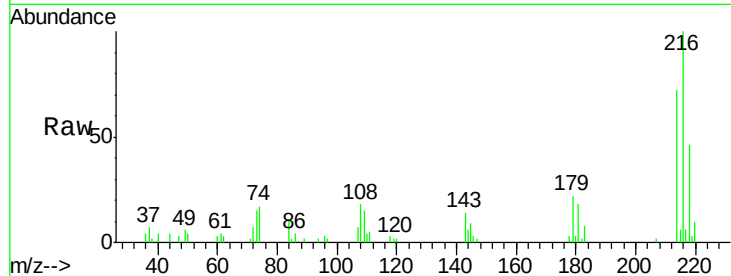
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.001 ng
 RT: 13.23 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	28727		
214	76.0	0.0	0.0	0.0
179	21.9	0.0	0.0	0.0
108	17.5	0.0	0.0	0.0

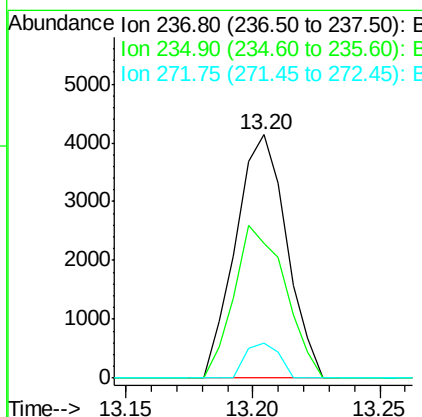
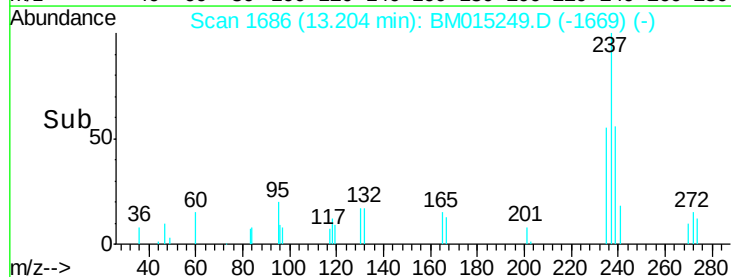
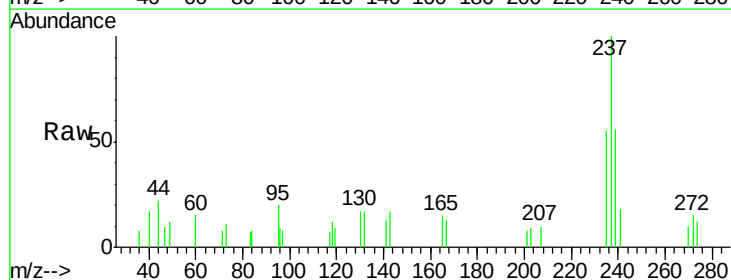
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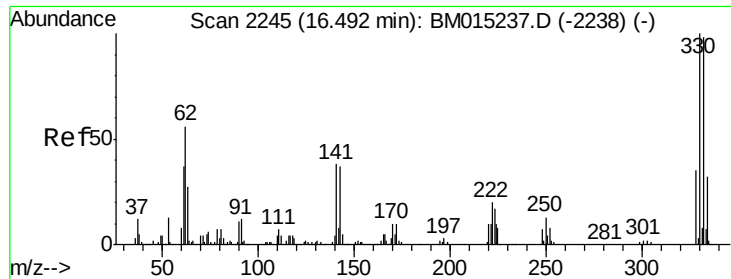
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#40
 Hexachlorocyclopentadiene
 Concen: 5.849 ng
 RT: 13.20 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	5795		
235	55.5	42.0	82.0	
272	14.6	0.0	33.4	





#41

2,4,6-Tribromophenol

Concen: 143.526 ng

RT: 16.49 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

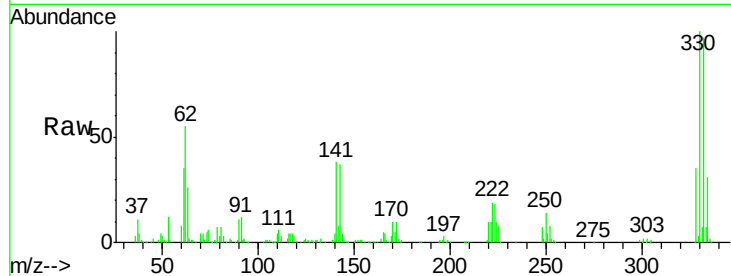
ClientSampleId :

MDL-SOIL-03-QT2-2018

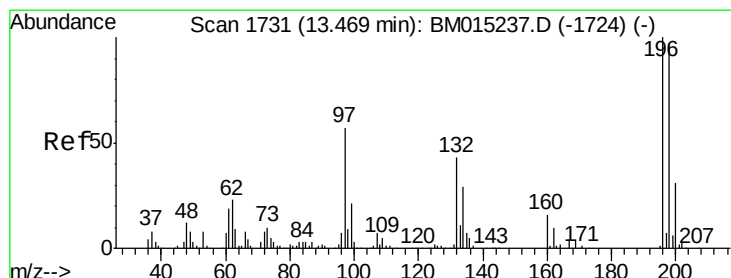
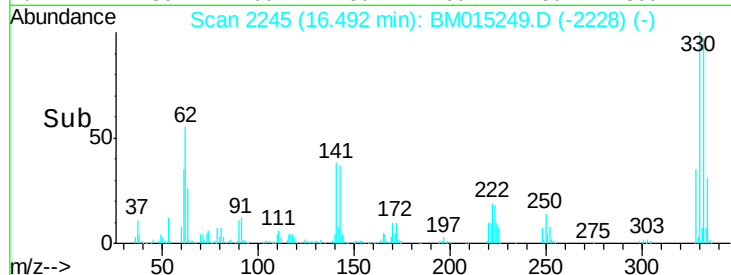
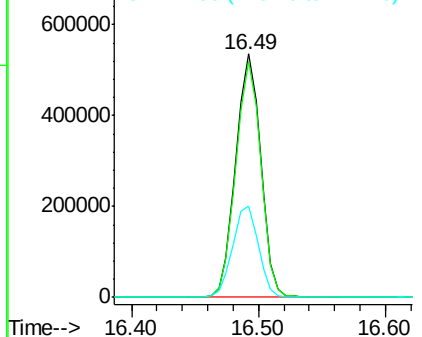
Tgt Ion:	330	Resp:	733404
Ion Ratio		Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	38.6	0.0	0.0#

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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: 1.385 ng

RT: 13.47 min Scan# 1731

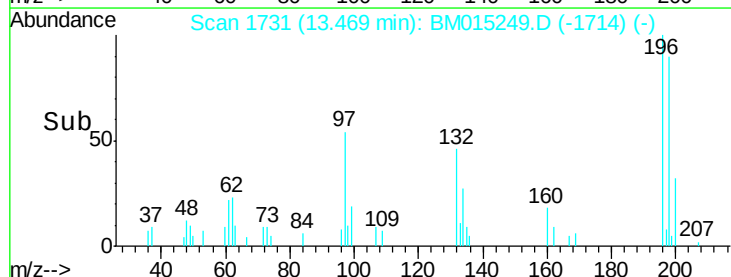
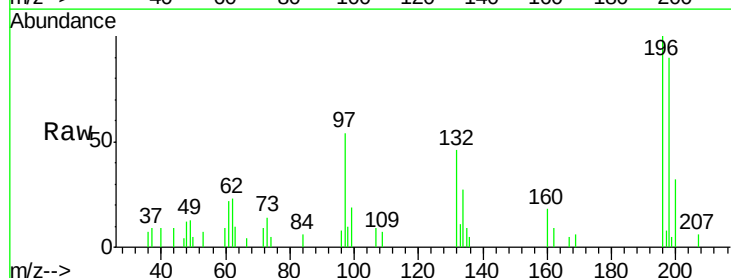
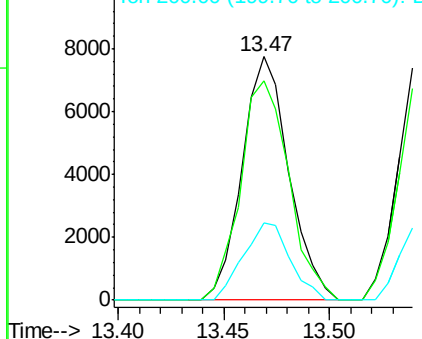
Delta R.T. 0.00 min

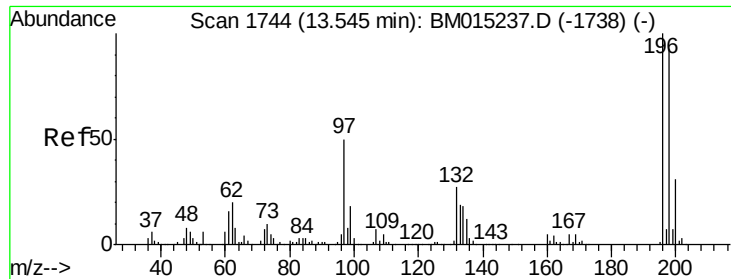
Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	196	Resp:	11946
Ion Ratio		Lower	Upper
196	100		
198	89.8	76.3	114.5
200	31.6	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





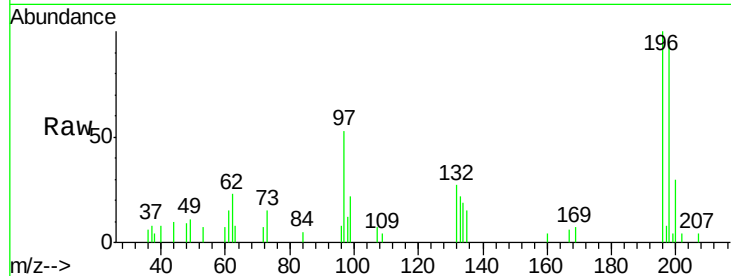
#43
 2,4,5-Trichlorophenol
 Concen: 1.611 ng
 RT: 13.55 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

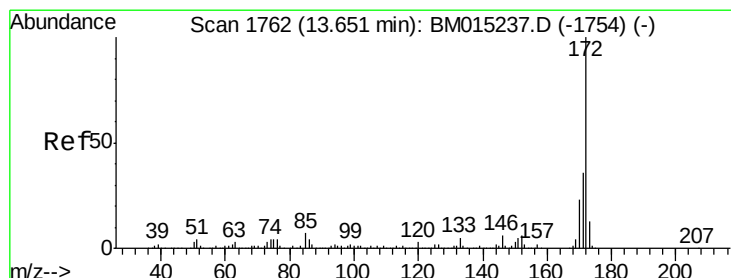
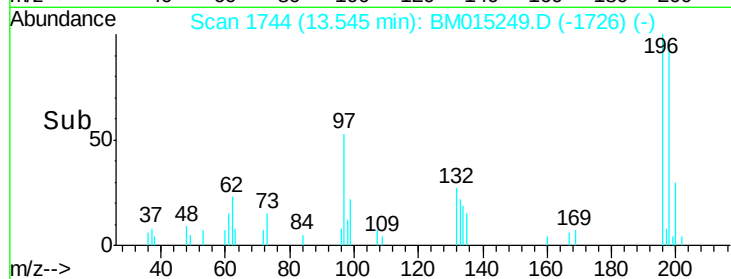
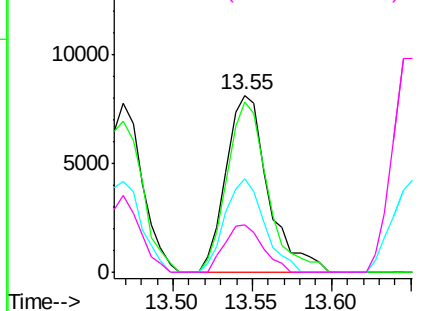
Tgt Ion:	196	Resp:	15006
Ion Ratio	Lower	Upper	
196	100		
198	96.2	79.4	119.0
97	53.0	26.8	40.2#
132	26.8	18.6	28.0

Manual Integrations
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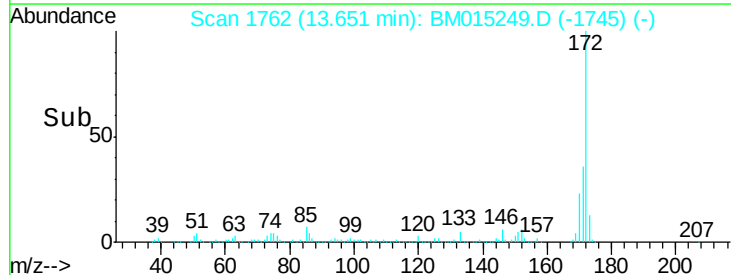
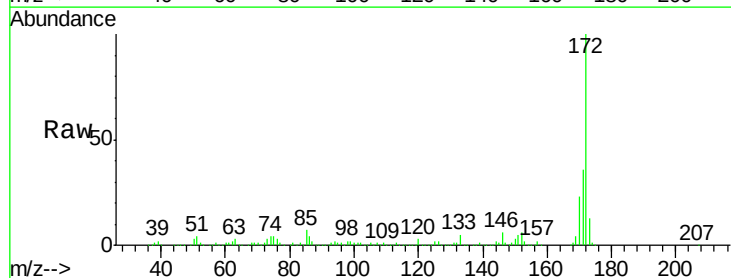
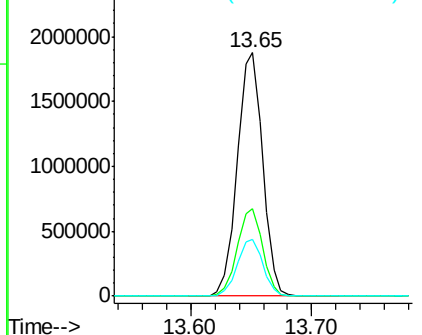
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BM
 Ion 132.00 (131.70 to 132.70): E

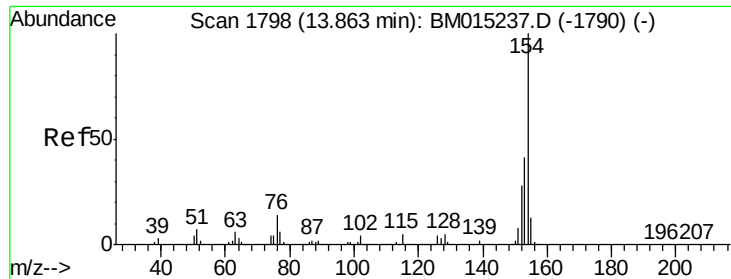


#44
 2-Fluorobiphenyl
 Concen: 84.046 ng
 RT: 13.65 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion:	172	Resp:	2755031
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.5	42.7
170	23.4	18.8	28.2

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





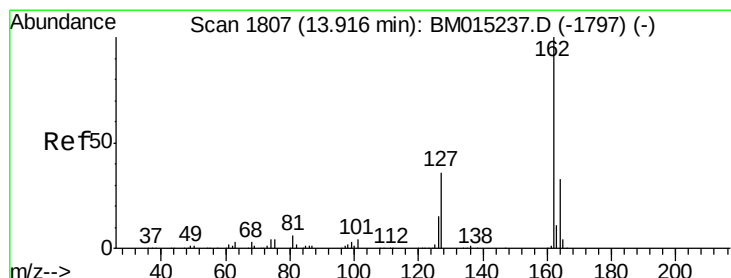
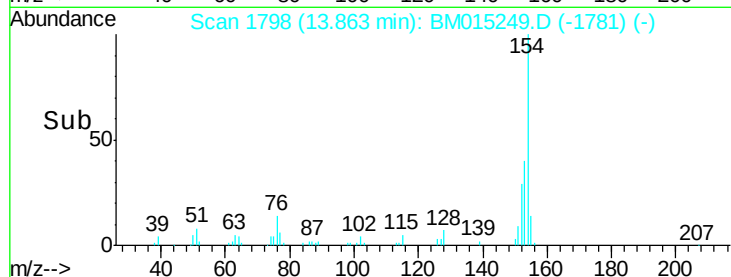
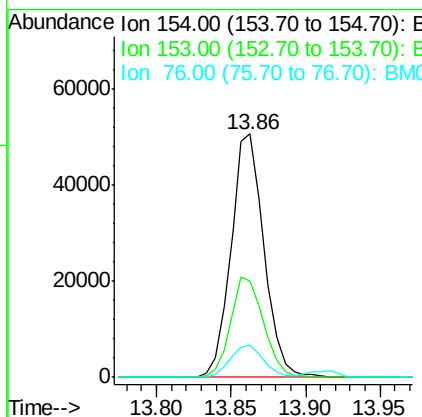
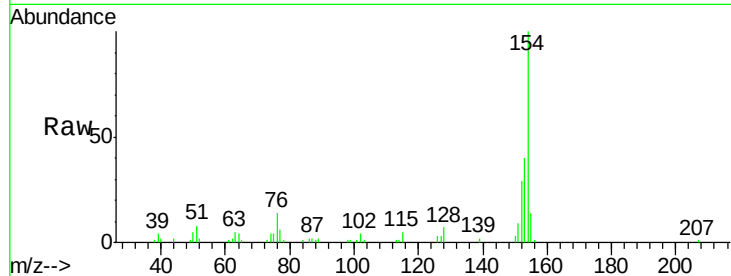
#45
 1,1'-Biphenyl
 Concen: 2.182 ng
 RT: 13.86 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion:	154	Resp:	77782
Ion Ratio	Lower	Upper	
154	100		
153	39.8	20.7	60.7
76	13.5	0.0	30.9

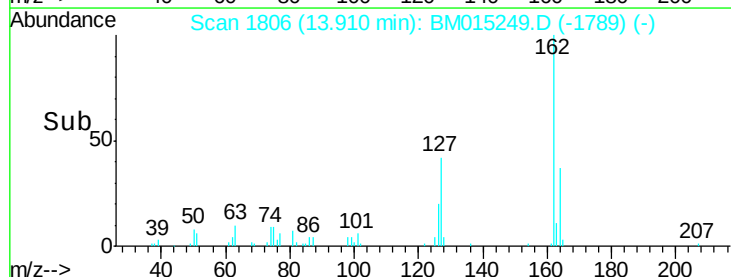
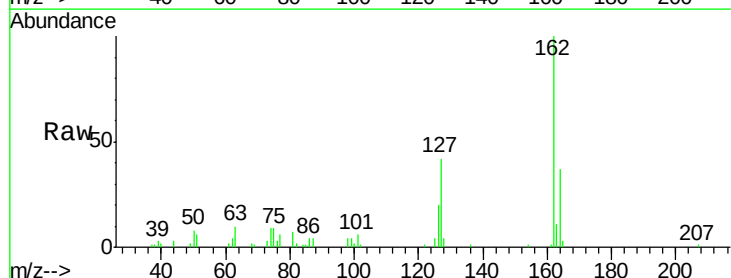
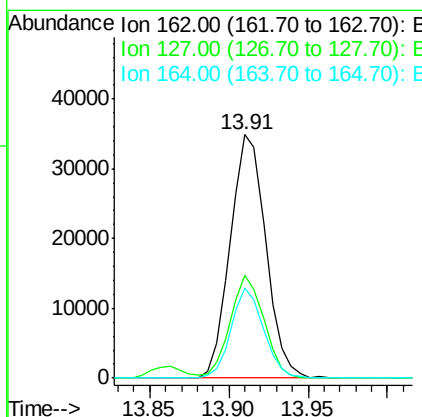
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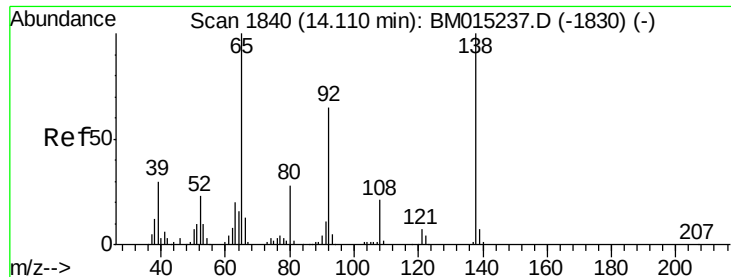
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#46
 2-Chloronaphthalene
 Concen: 1.981 ng
 RT: 13.91 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion:	162	Resp:	54353
Ion Ratio	Lower	Upper	
162	100		
127	42.5	26.9	40.3#
164	37.1	26.8	40.2





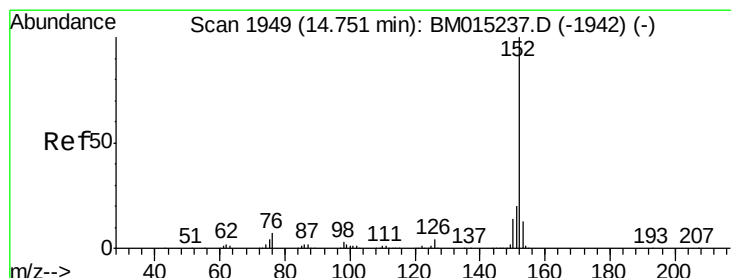
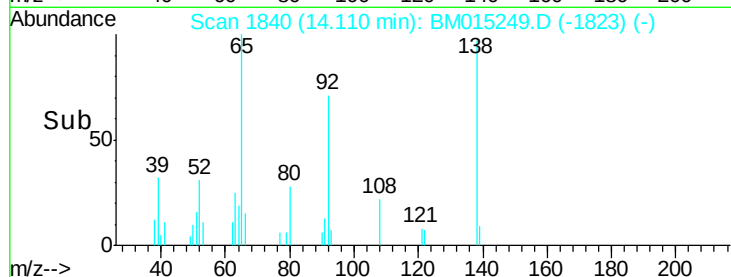
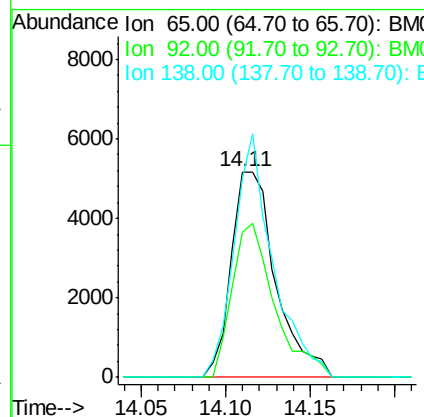
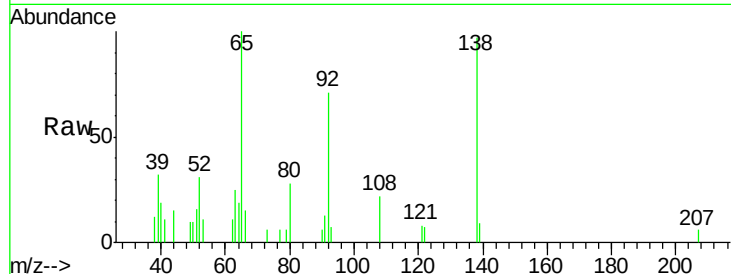
#47
2-Nitroaniline
Concen: 1.214 ng
RT: 14.11 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.6	59.1	88.7
138	96.8	93.9	140.9

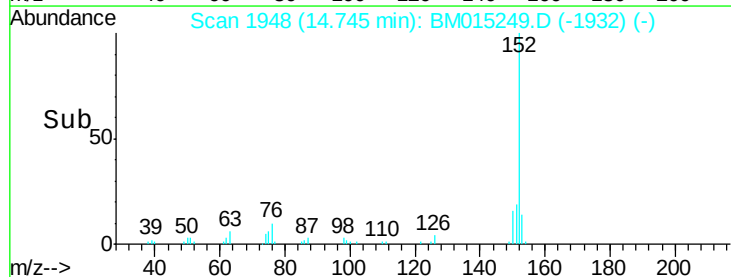
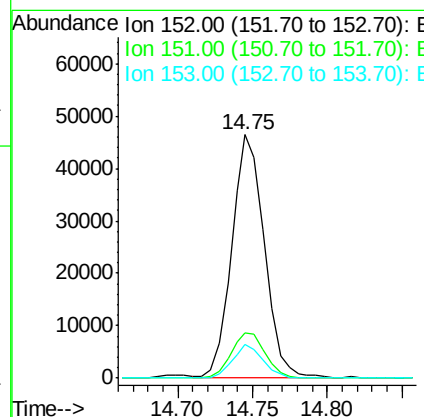
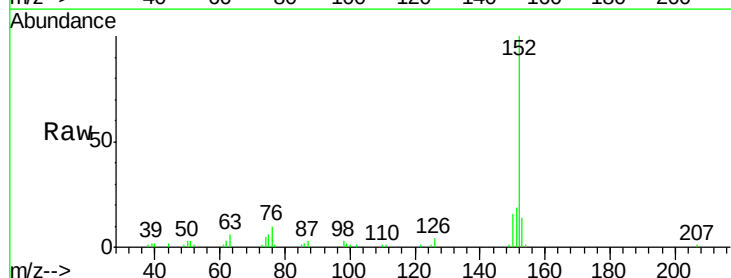
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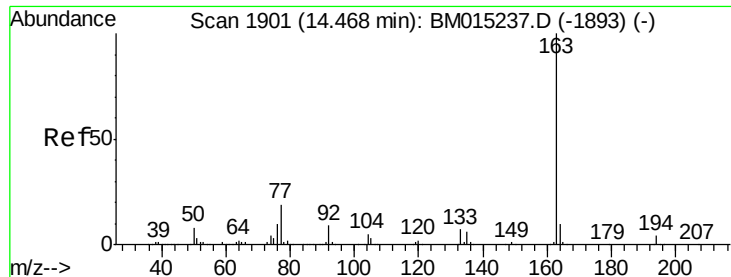
Sohil
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#48
Acenaphthylene
Concen: 1.747 ng
RT: 14.75 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.9	23.9
153	14.0	10.6	16.0





#49

Dimethylphthalate

Concen: 1.944 ng

RT: 14.46 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

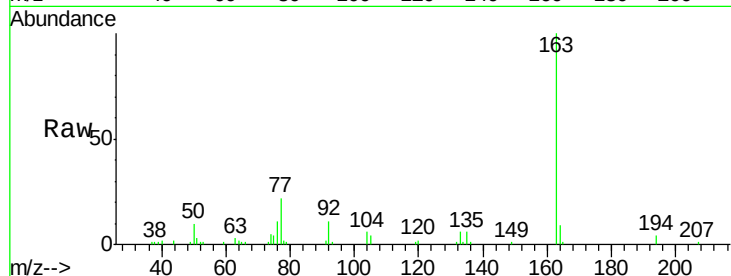
ClientSampleId :

MDL-SOIL-03-QT2-2018

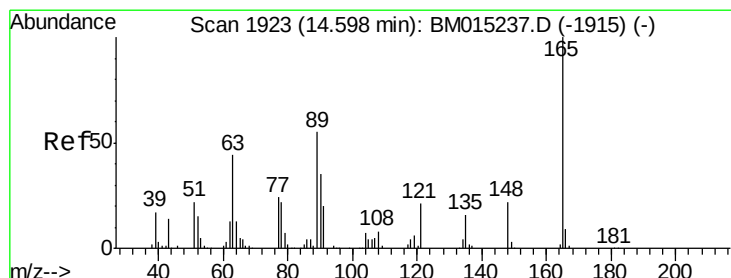
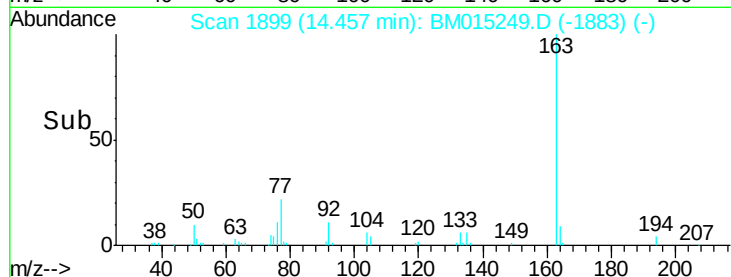
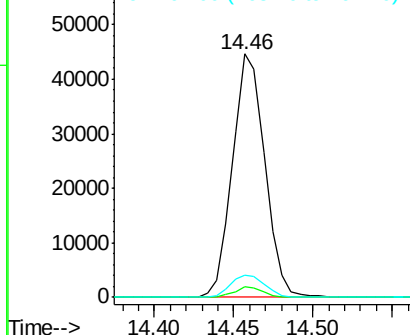
Tgt Ion:	163	Resp:	63236
Ion Ratio	Lower	Upper	
163	100		
194	4.4	2.7	4.1#
164	9.3	8.2	12.2

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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: 1.349 ng

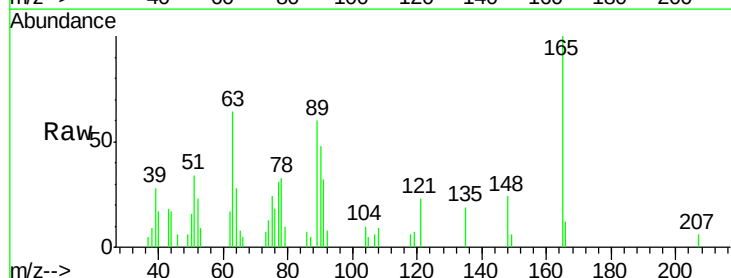
RT: 14.59 min Scan# 1922

Delta R.T. 0.00 min

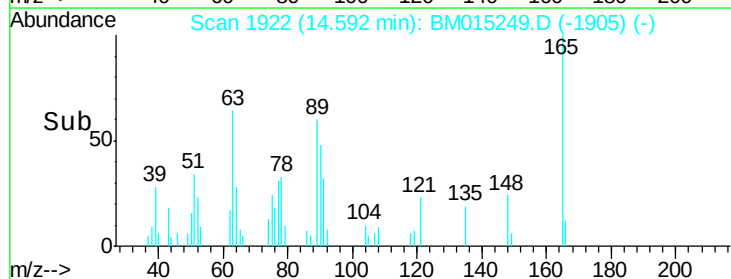
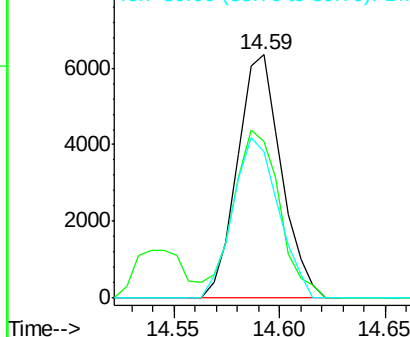
Lab File: BM015249.D

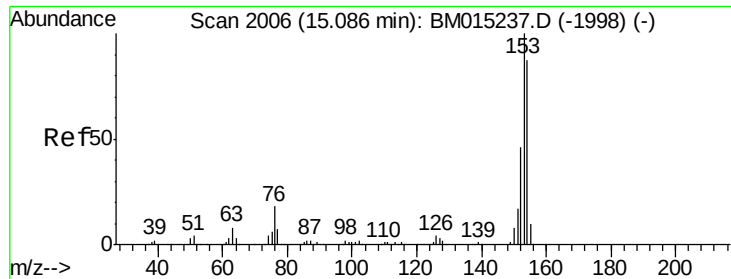
Acq: 22 May 2018 20:36

Tgt Ion:	165	Resp:	9153
Ion Ratio	Lower	Upper	
165	100		
63	64.1	44.1	66.1
89	60.3	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: 2.040 ng

RT: 15.08 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

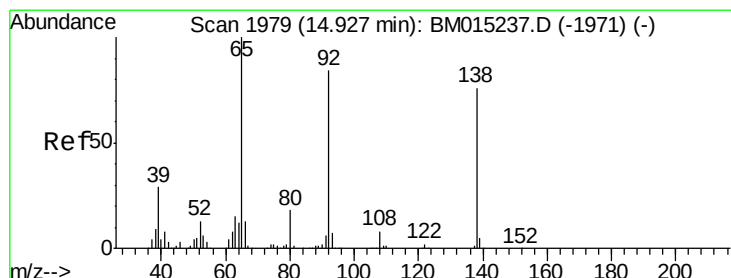
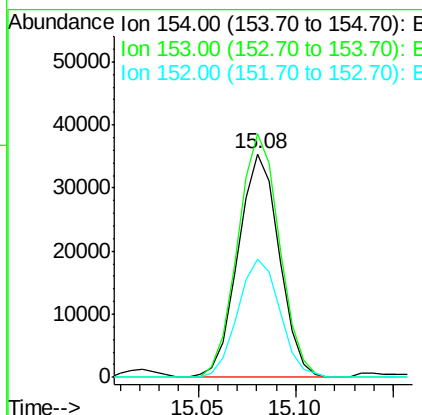
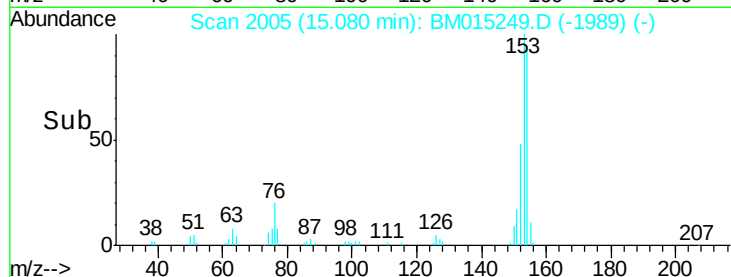
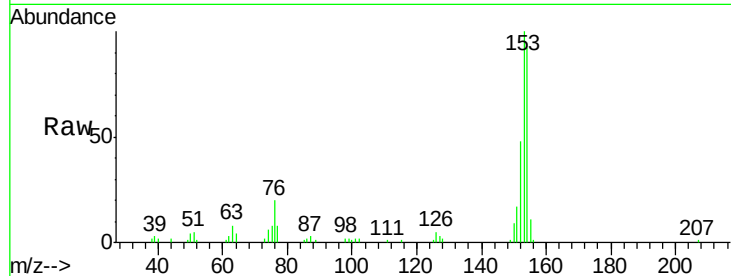
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	154	Resp:	51790
Ion Ratio	Lower	Upper	
154	100		
153	108.8	90.0	135.0
152	52.7	42.6	63.8

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#52

3-Nitroaniline

Concen: 1.159 ng

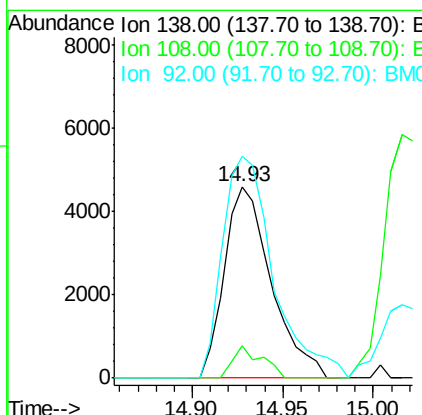
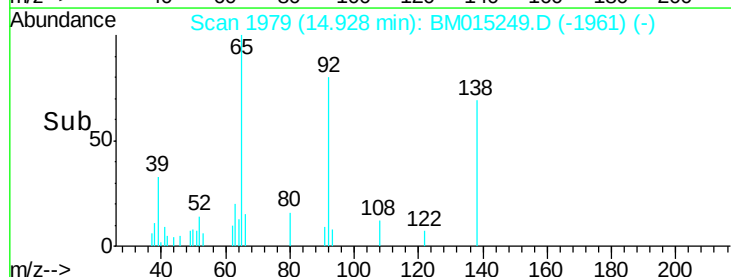
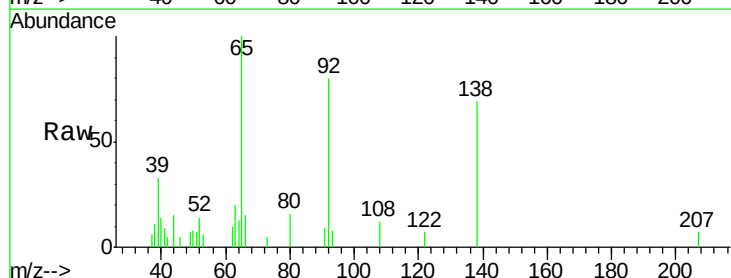
RT: 14.93 min Scan# 1979

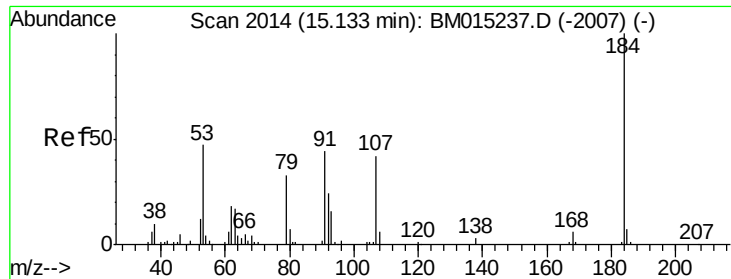
Delta R.T. 0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	138	Resp:	8280
Ion Ratio	Lower	Upper	
138	100		
108	17.2	7.3	10.9#
92	116.0	76.6	114.8#





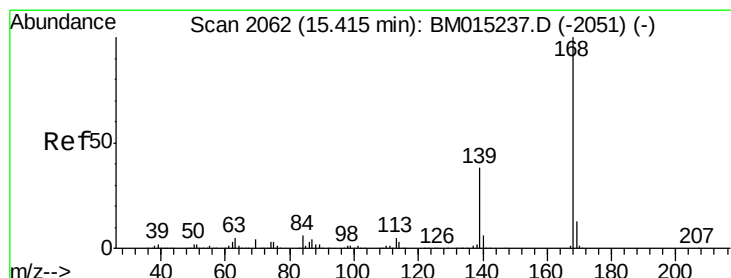
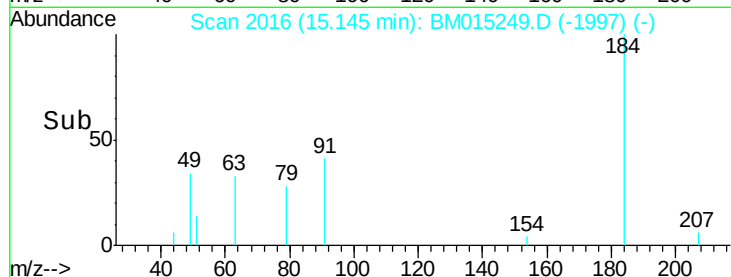
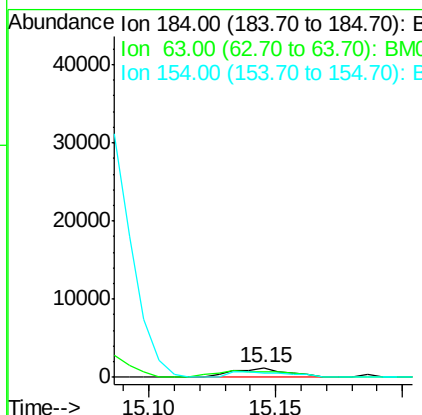
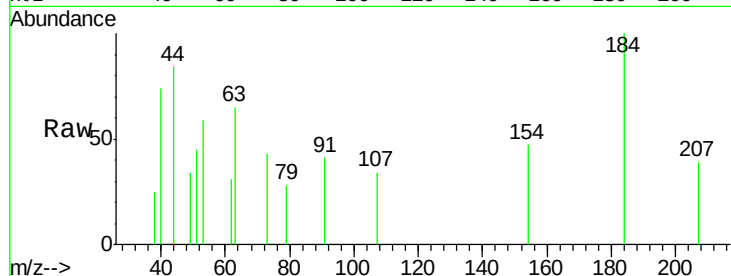
#53
2,4-Dinitrophenol
Concen: 6.958 ng
RT: 15.15 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	1823		
63	65.0	69.2	103.8#	
154	47.5	53.3	79.9#	

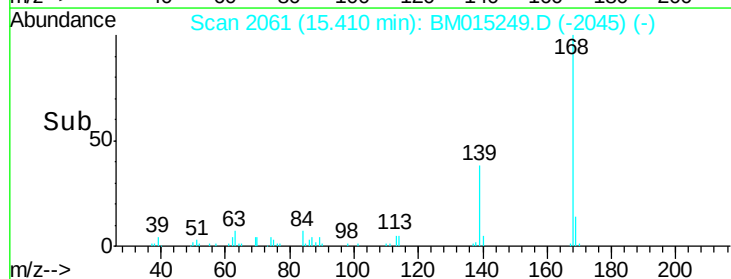
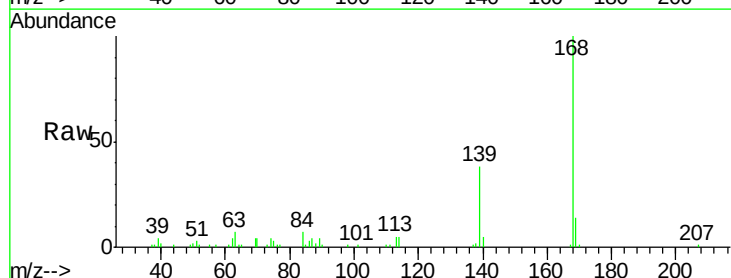
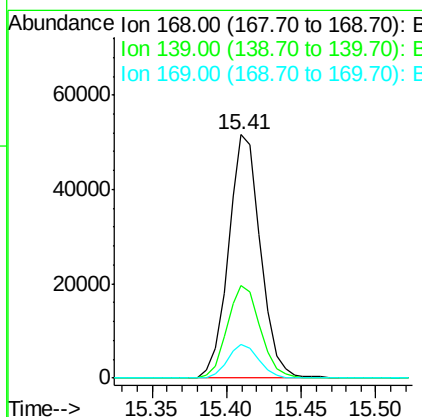
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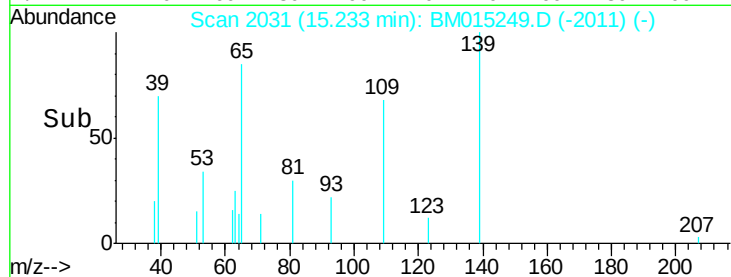
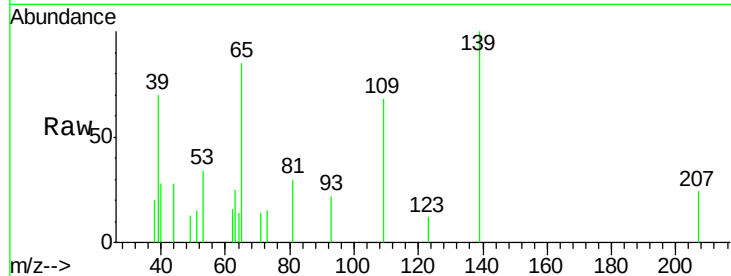
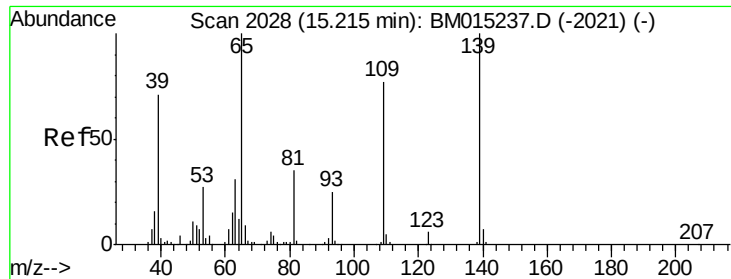
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#54
Dibenzofuran
Concen: 1.931 ng
RT: 15.41 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	77306		
139	37.9	27.3	40.9	
169	13.6	10.6	16.0	





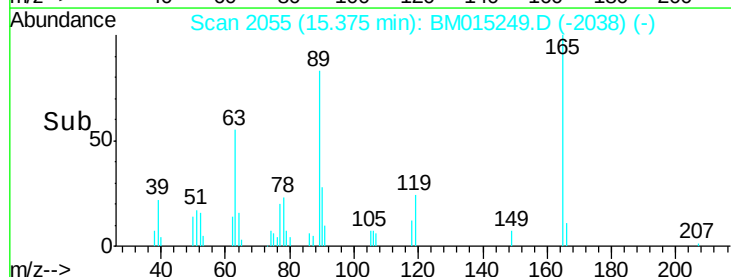
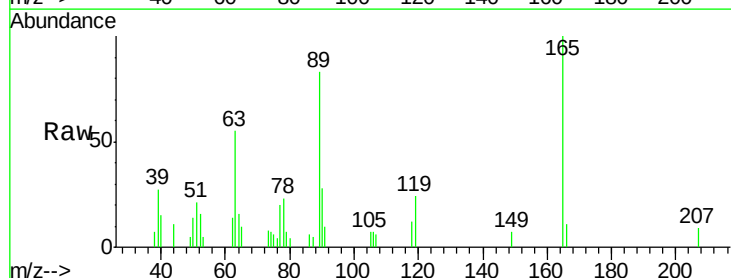
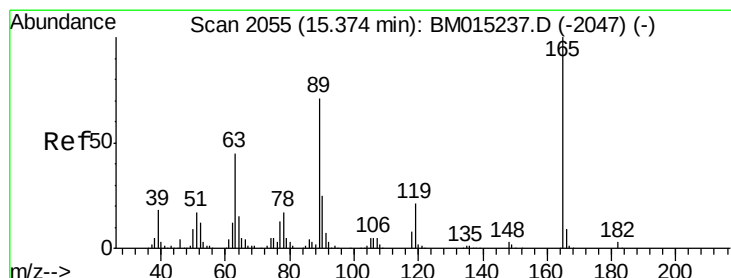
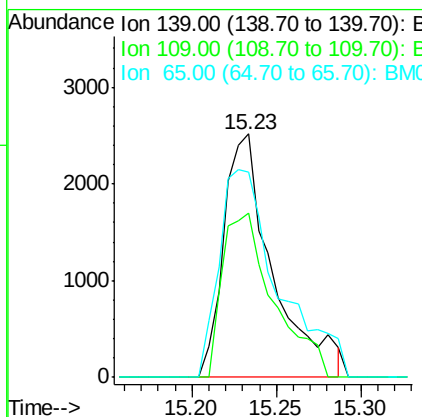
#55
4-Nitrophenol
Concen: 0.877 ng
RT: 15.23 min Scan# 2031
Delta R.T. 0.02 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.6	130.0	170.0#
65	84.5	130.0	170.0#

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

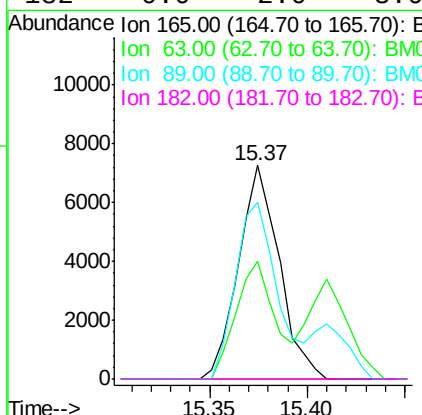
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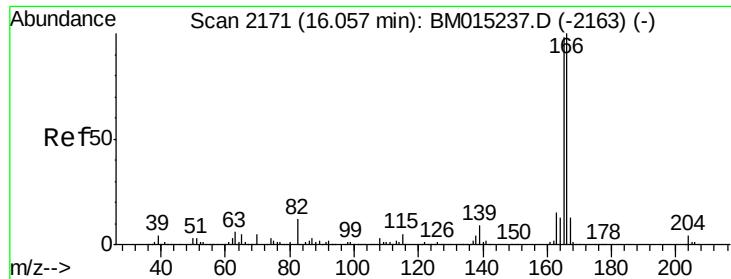
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#56
2,4-Dinitrotoluene
Concen: 1.127 ng
RT: 15.37 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	55.3	52.4	78.6
89	82.9	72.4	108.6
182	0.0	2.0	3.0#





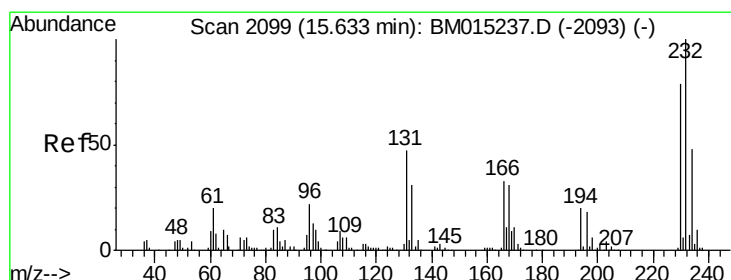
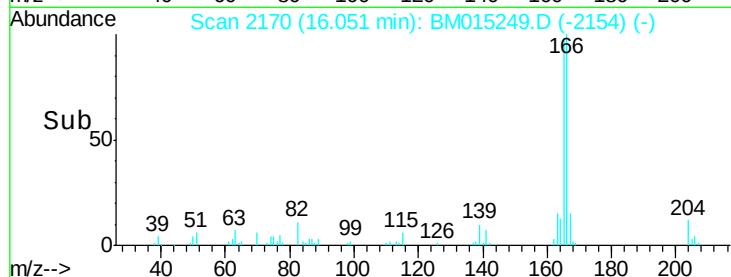
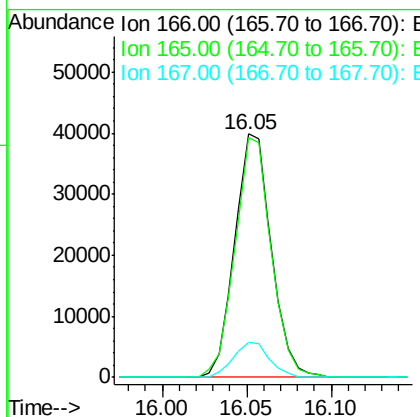
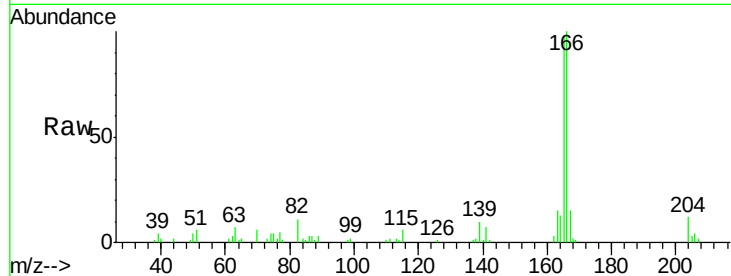
#57
 Fluorene
 Concen: 1.890 ng
 RT: 16.05 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	59790		
165	98.5	79.0	118.4	
167	14.5	10.3	15.5	

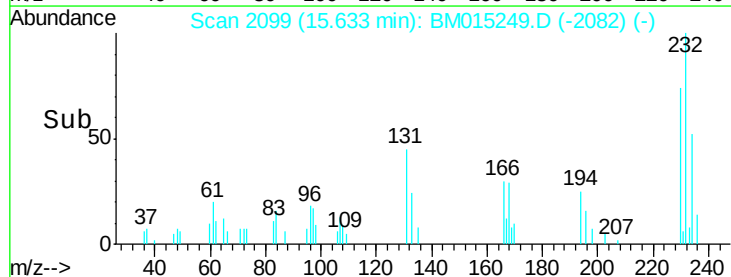
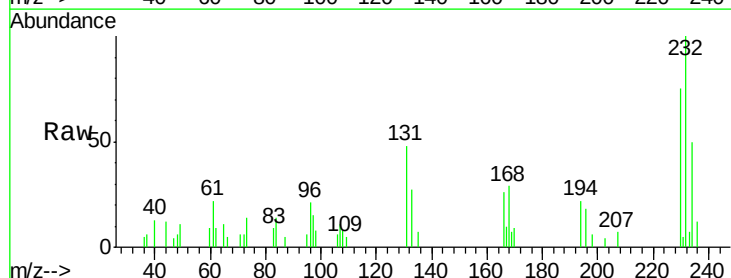
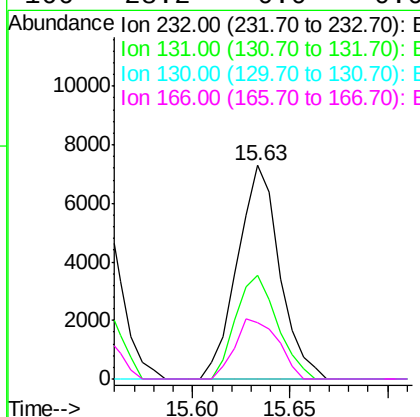
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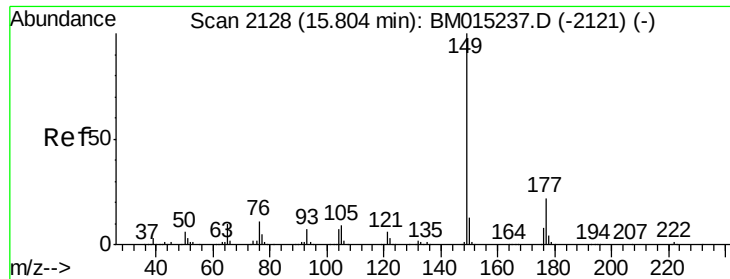
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.376 ng
 RT: 15.63 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	10990		
131	47.7	0.0	0.0#	
130	0.0	0.0	0.0	
166	28.2	0.0	0.0#	





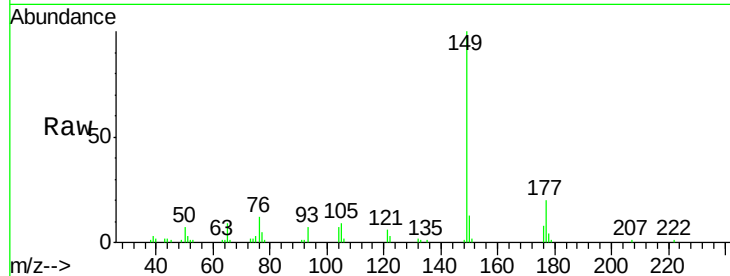
#59
Diethylphthalate
Concen: 1.831 ng
RT: 15.80 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

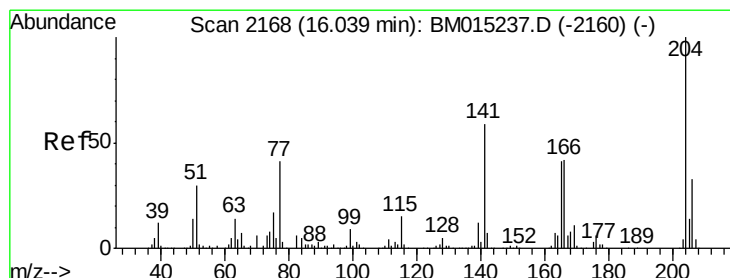
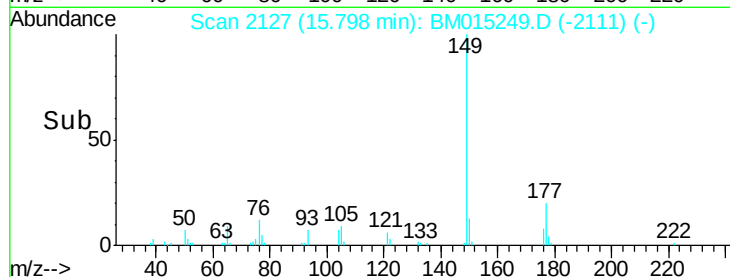
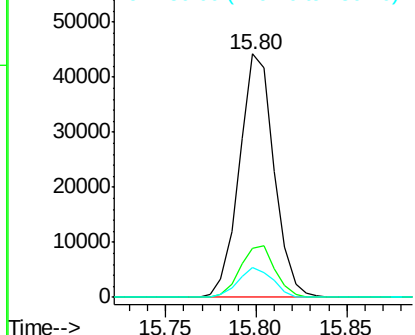
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	58693		
177	20.4	18.3	27.5	
150	12.5	9.8	14.8	

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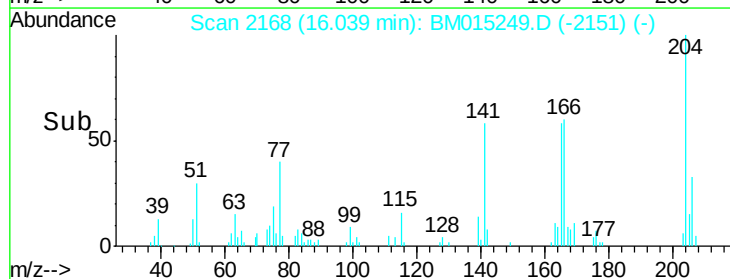
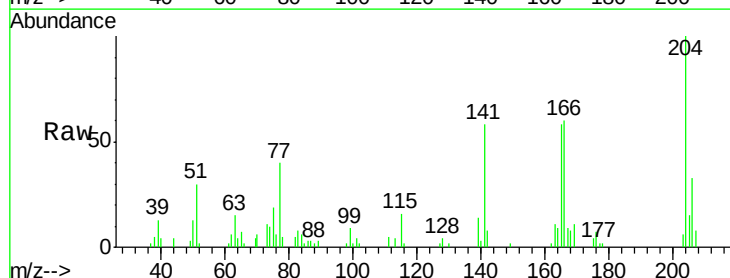
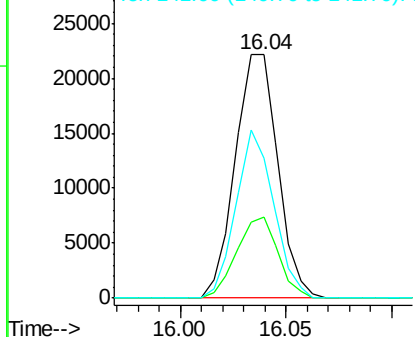
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

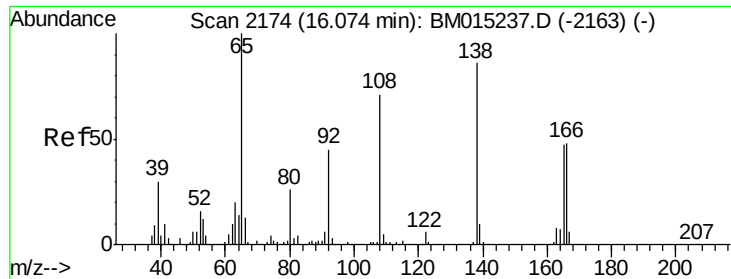


#60
4-Chlorophenyl-phenylether
Concen: 1.923 ng
RT: 16.04 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	30992		
206	33.3	26.6	39.8	
141	57.7	45.2	67.8	

Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





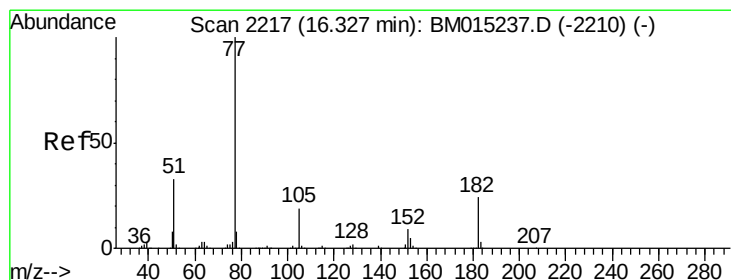
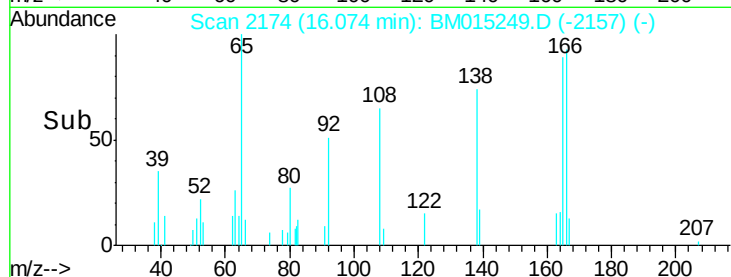
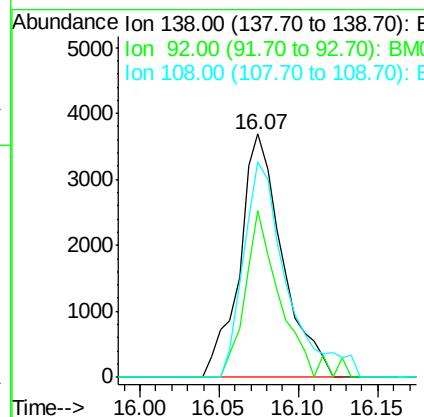
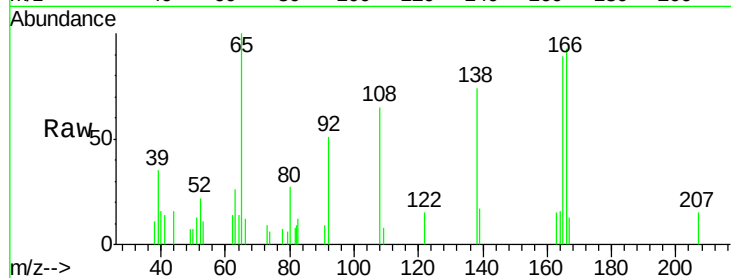
#61
4-Nitroaniline
Concen: 0.930 ng
RT: 16.07 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Lower	Upper
138	100		
92	68.6	16.7	56.7#
108	88.3	37.6	77.6#

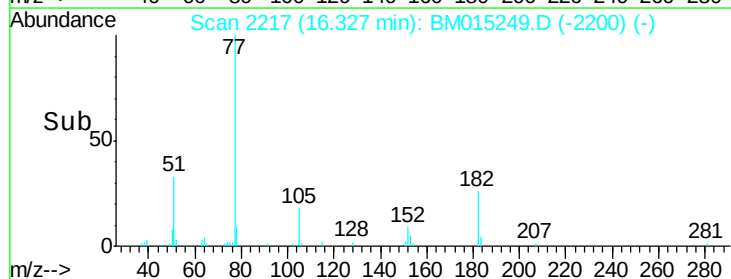
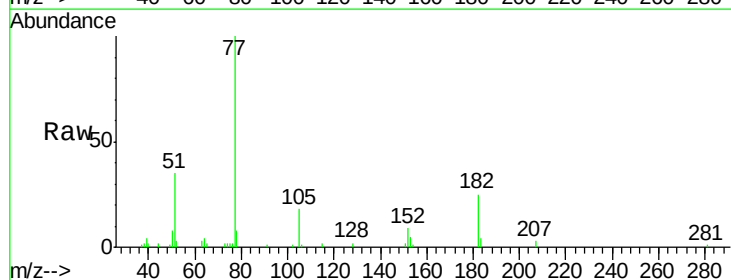
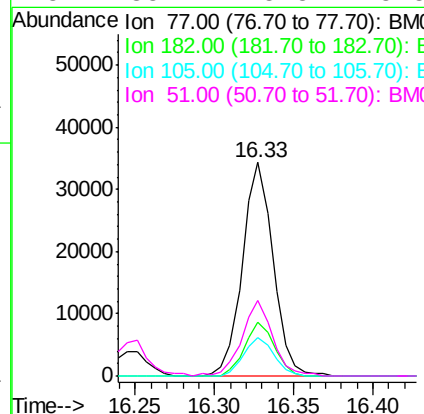
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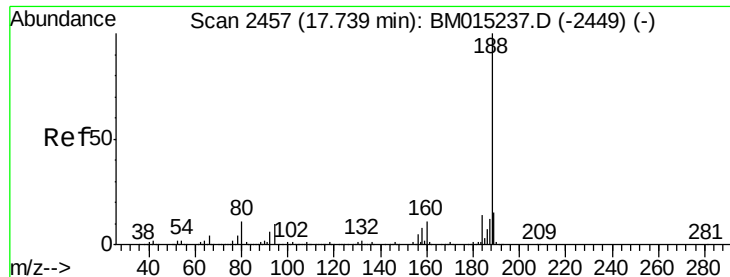
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#62
Azobenzene
Concen: 1.519 ng
RT: 16.33 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.4	6.5	46.5
105	18.0	3.8	43.8
51	35.1	5.5	45.5





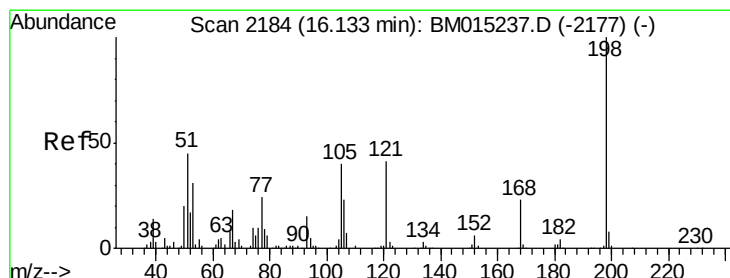
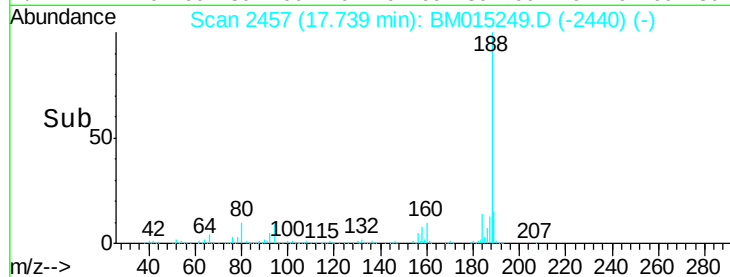
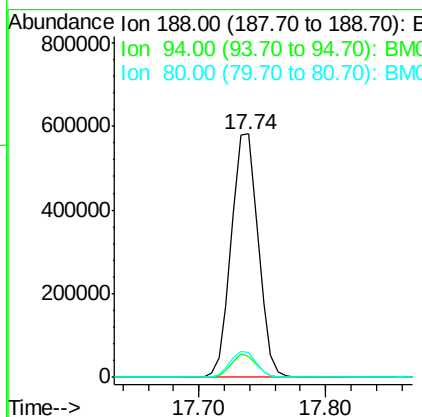
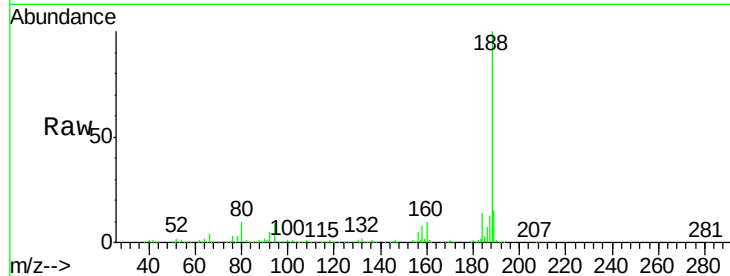
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.74 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	851695		
94	8.7	8.7	13.1	
80	9.9	9.3	13.9	

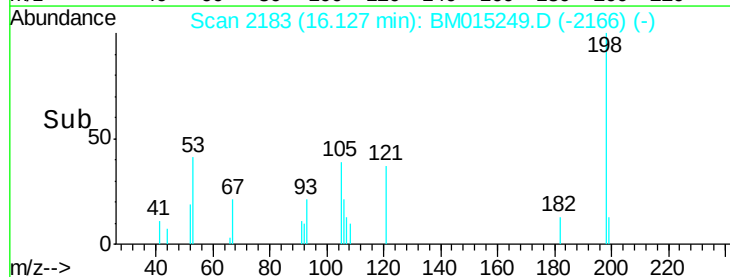
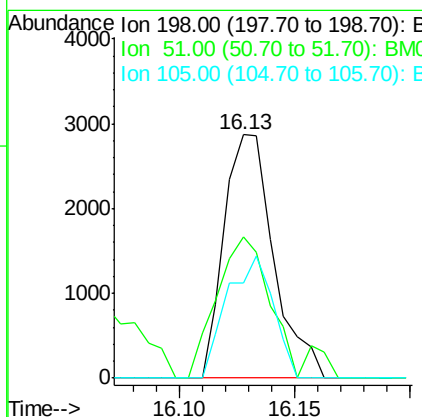
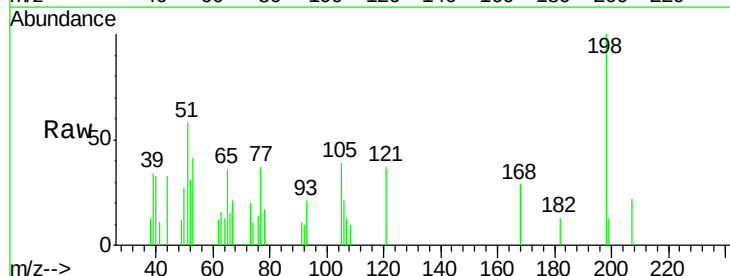
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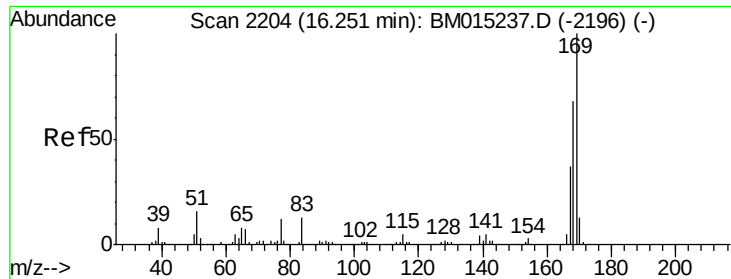
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#64
4,6-Dinitro-2-methylphenol
Concen: 0.913 ng
RT: 16.13 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	4291		
51	58.0	28.8	68.8	
105	39.3	30.5	70.5	





#65

n-Nitrosodiphenylamine

Concen: 1.732 ng

RT: 16.25 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

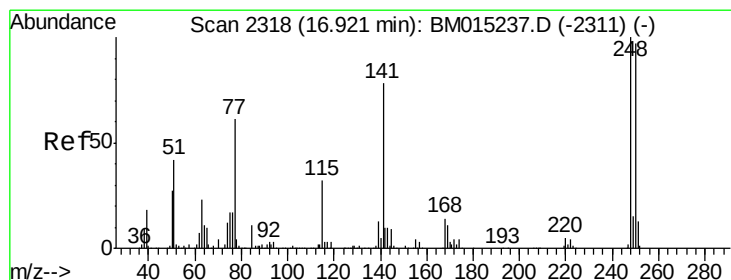
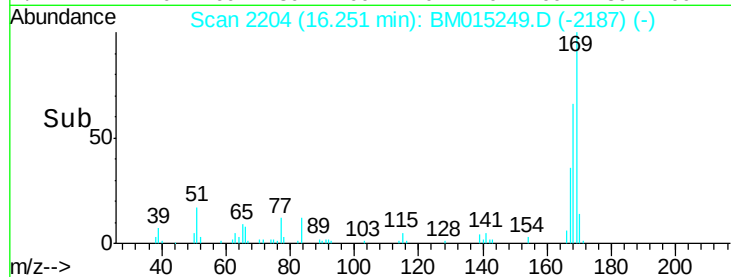
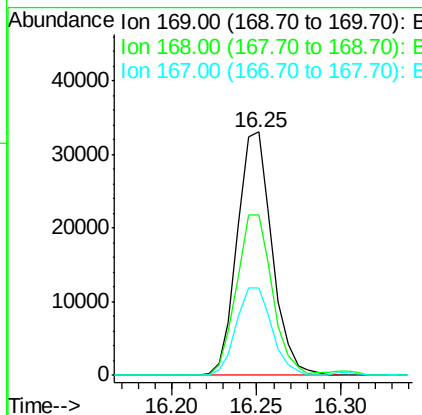
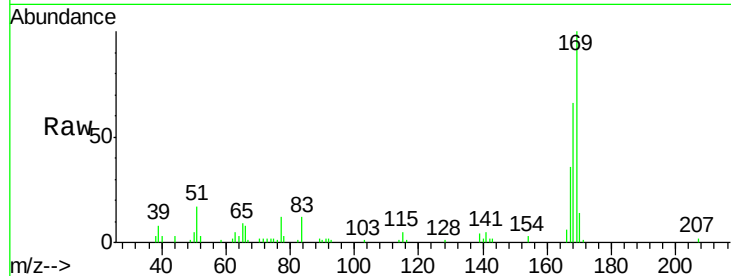
ClientSampleId :

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Tgt Ion:	169	Resp:	47389
Ion Ratio	Lower	Upper	
169	100		
168	66.0	53.9	80.9
167	35.8	28.9	43.3

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#66

4-Bromophenyl-phenylether

Concen: 1.786 ng

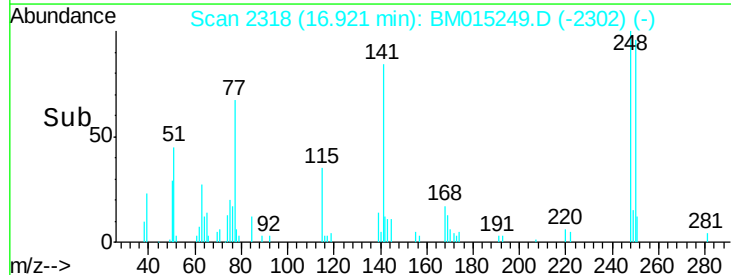
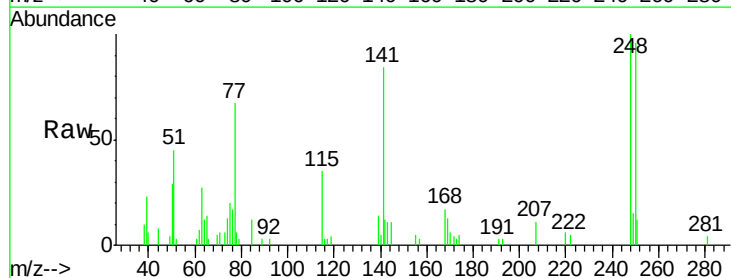
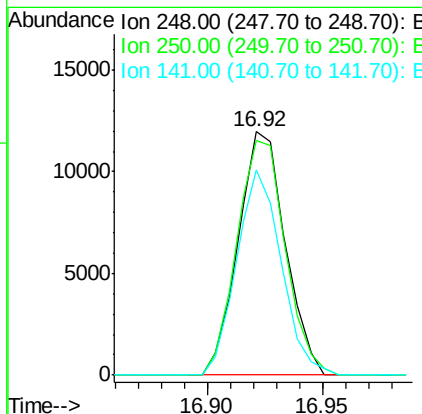
RT: 16.92 min Scan# 2318

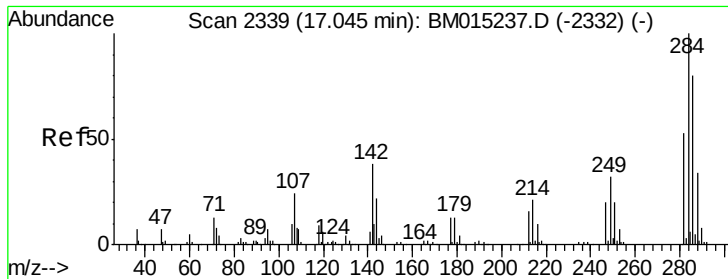
Delta R.T. -0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	248	Resp:	16993
Ion Ratio	Lower	Upper	
248	100		
250	96.4	77.4	116.0
141	84.3	45.2	67.8#





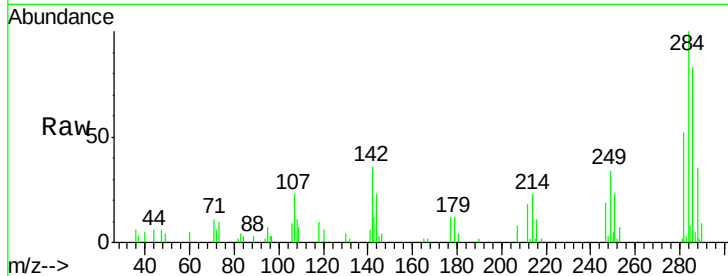
#67
Hexachlorobenzene
Concen: 1.956 ng
RT: 17.05 min Scan# 2339
Delta R.T. 0.00 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

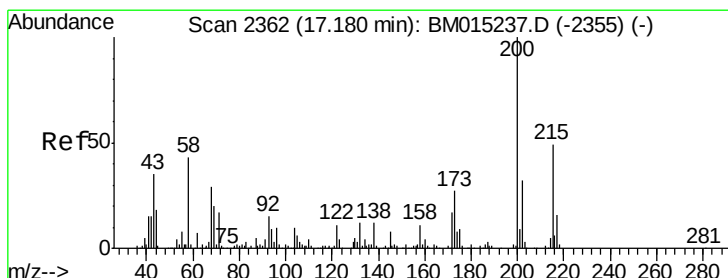
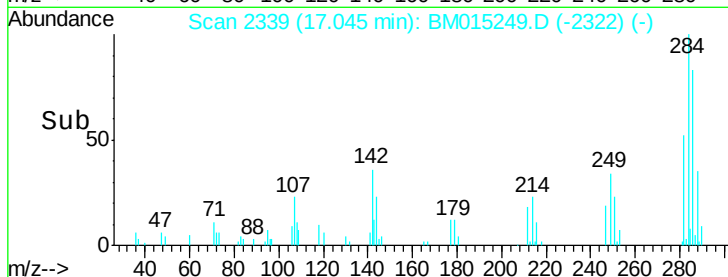
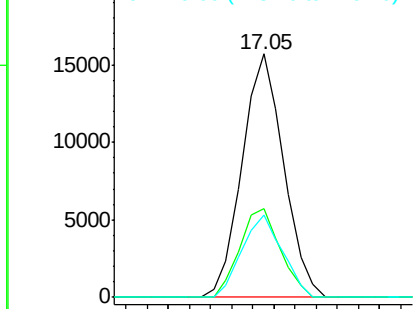
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	21430		
142	36.3	20.4	30.6	
249	33.6	23.8	35.6	

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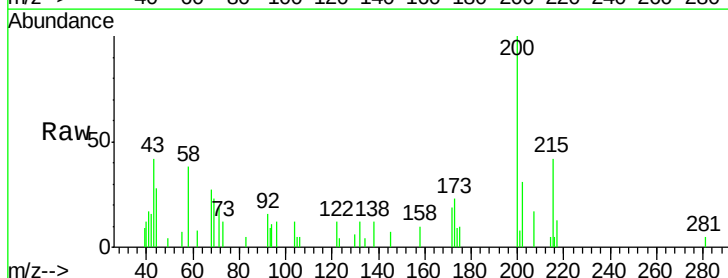


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

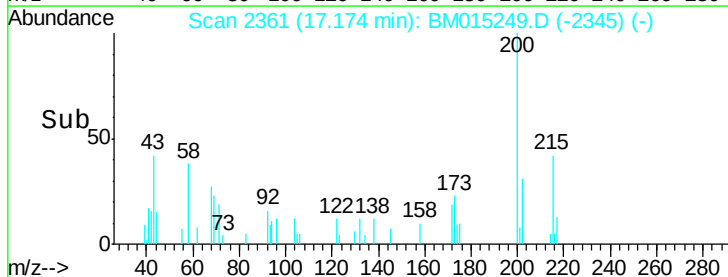
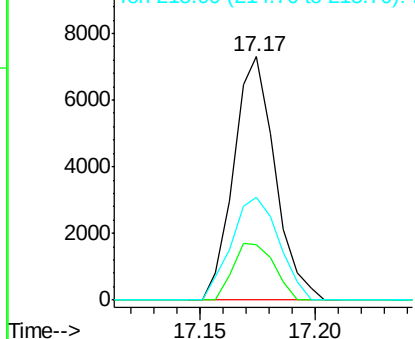


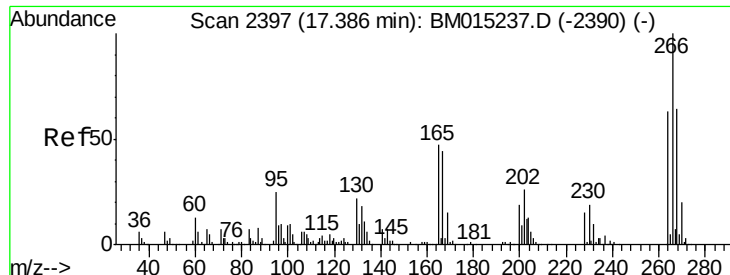
#68
Atrazine
Concen: 1.052 ng
RT: 17.17 min Scan# 2361
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	9135		
173	22.5	4.8	44.8	
215	42.1	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





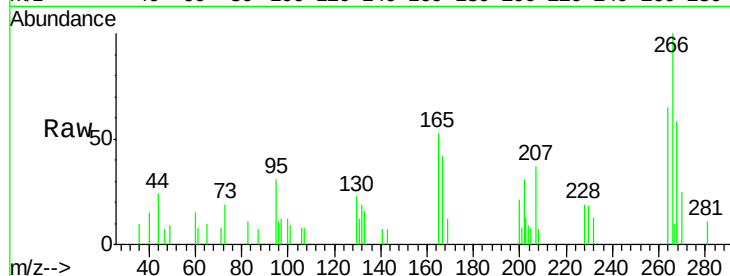
#69
 Pentachlorophenol
 Concen: 1.238 ng
 RT: 17.39 min Scan# 2397
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

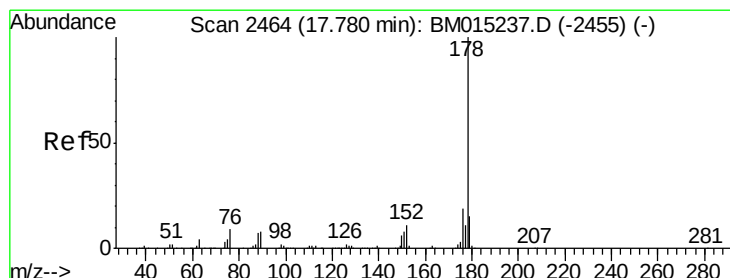
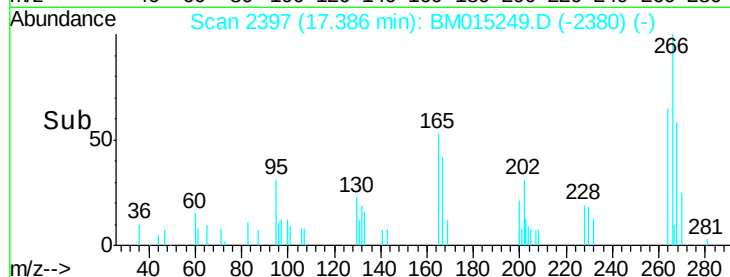
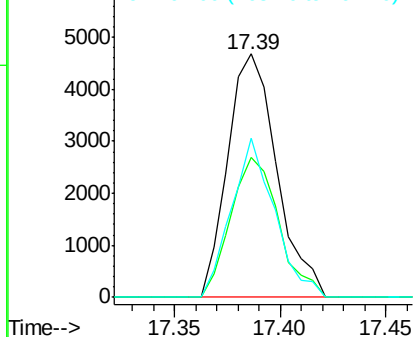
Tgt Ion	Ratio	Lower	Upper
266	100		
268	57.5	52.0	78.0
264	65.4	49.0	73.4

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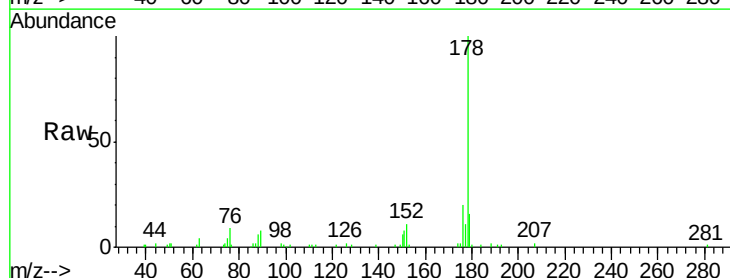


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

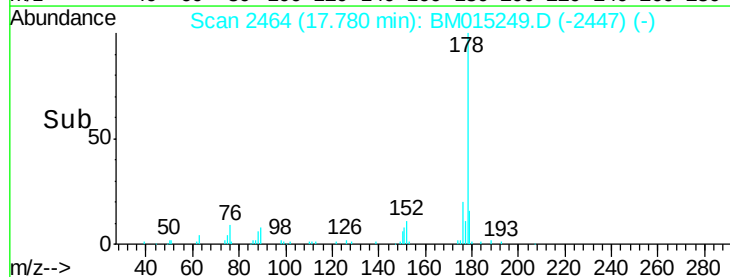
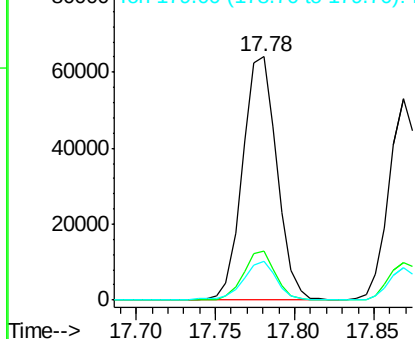


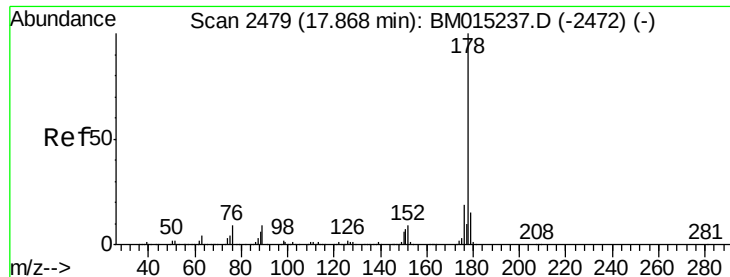
#70
 Phenanthrene
 Concen: 1.979 ng
 RT: 17.78 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.2	22.8
179	16.0	12.1	18.1



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





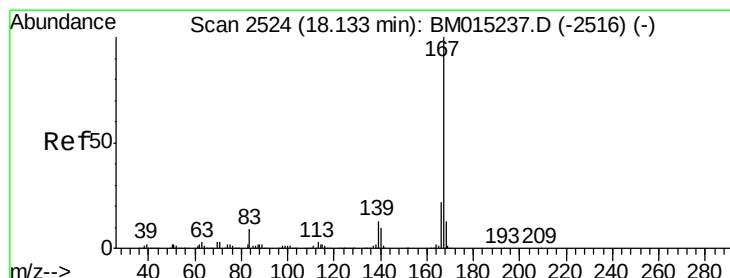
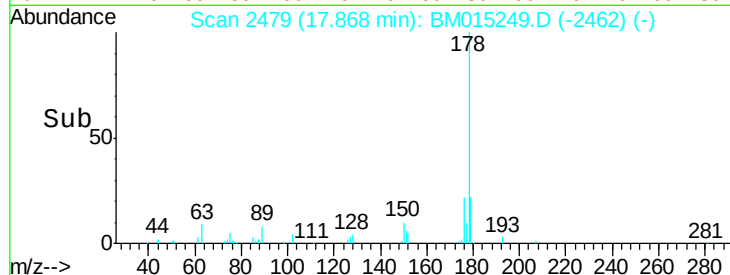
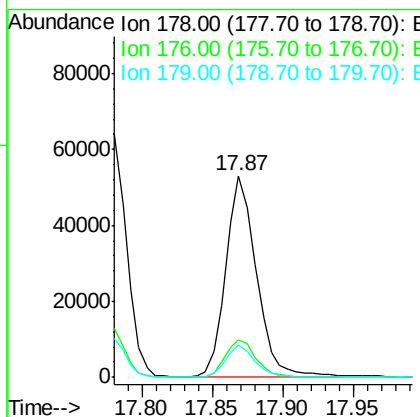
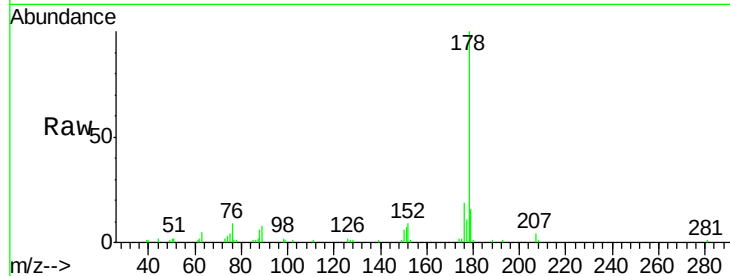
#71
 Anthracene
 Concen: 1.669 ng
 RT: 17.87 min Scan# 2479
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.9	12.6	19.0

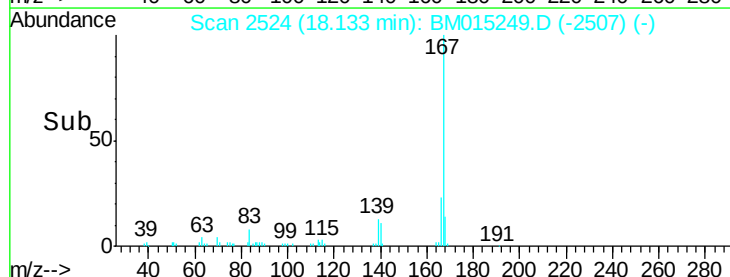
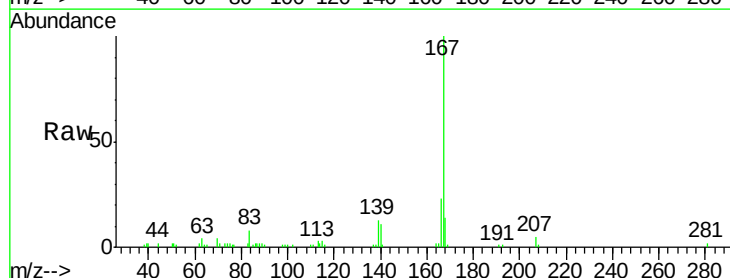
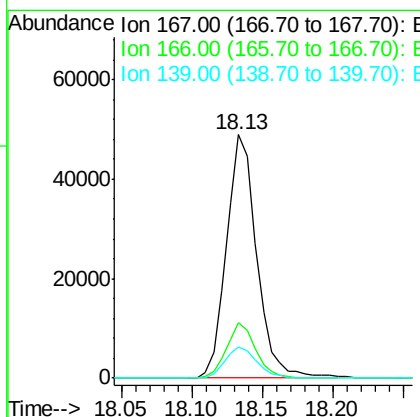
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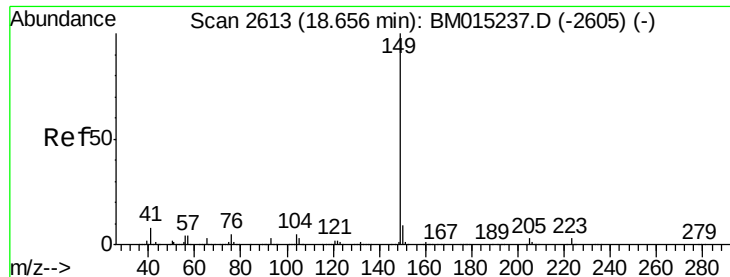
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#72
 Carbazole
 Concen: 1.710 ng
 RT: 18.13 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.2	25.8
139	13.0	10.8	16.2





#73

Di-n-butylphthalate

Concen: 1.454 ng

RT: 18.65 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

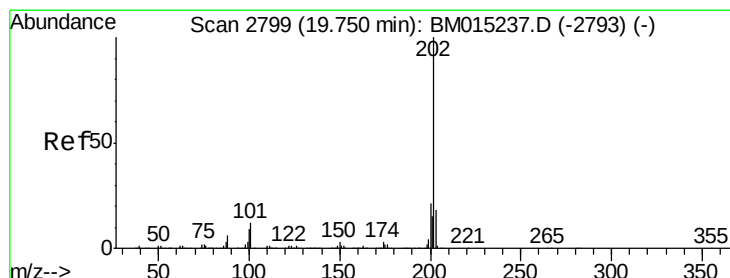
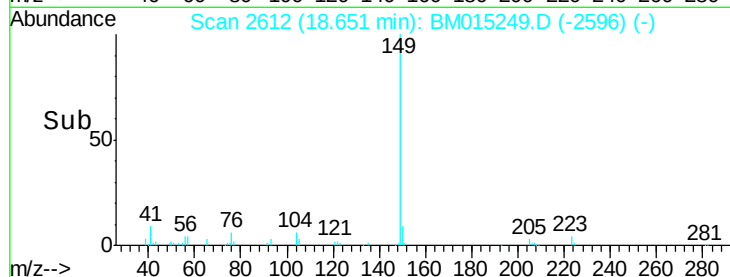
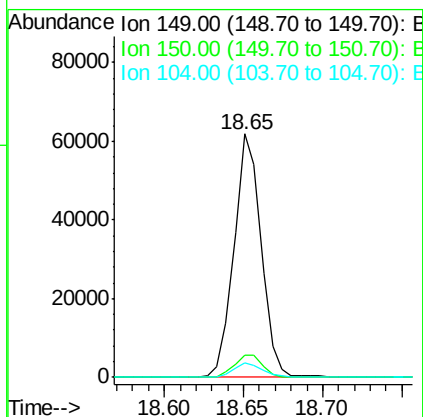
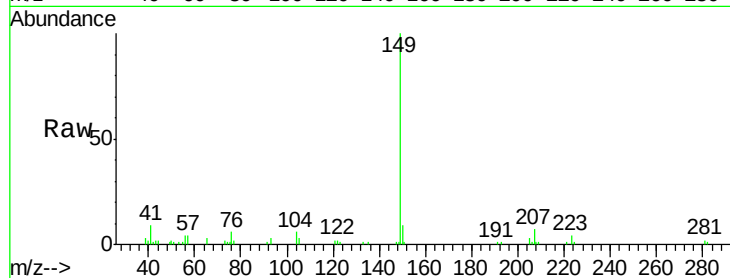
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	149	Resp:	73295
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.5	11.3
104	6.1	3.7	5.5

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#74

Fluoranthene

Concen: 1.766 ng

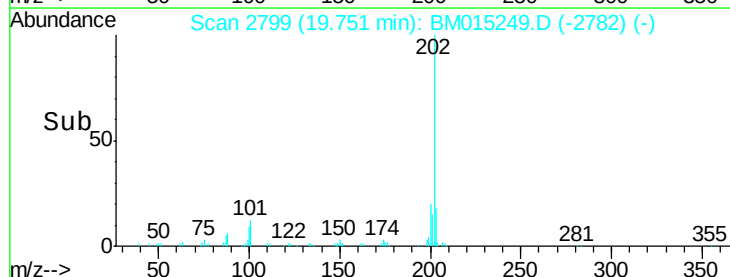
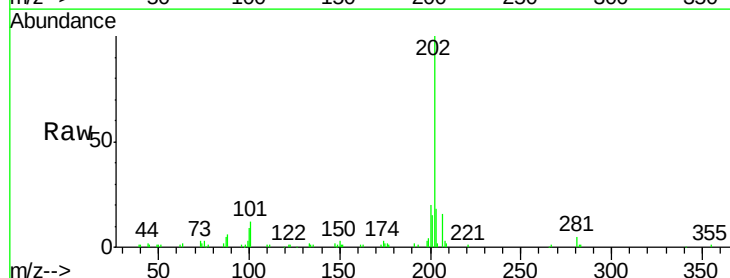
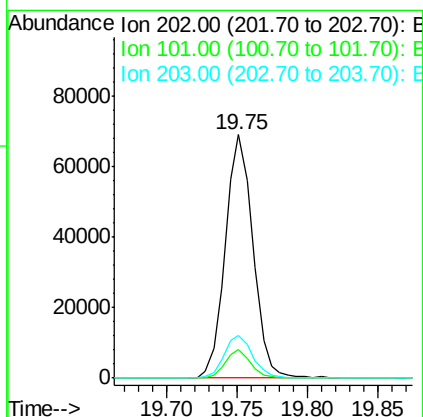
RT: 19.75 min Scan# 2799

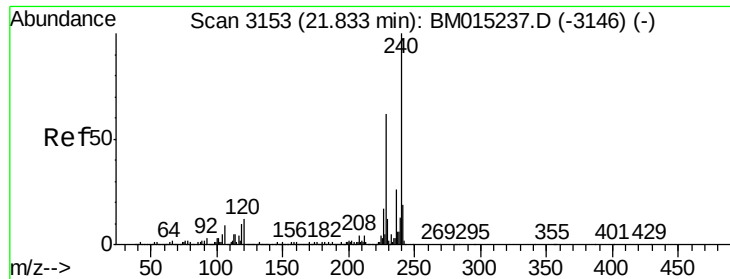
Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	202	Resp:	93980
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	28.7
203	17.8	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: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

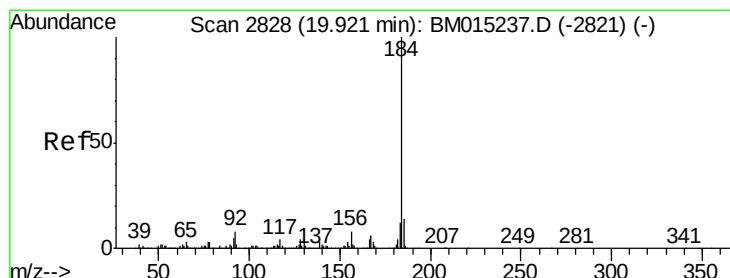
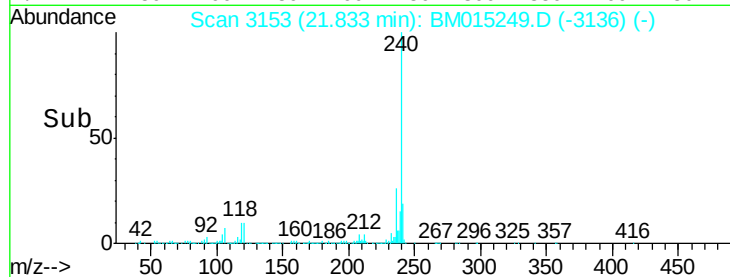
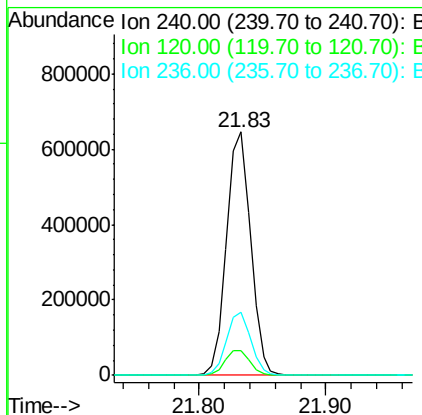
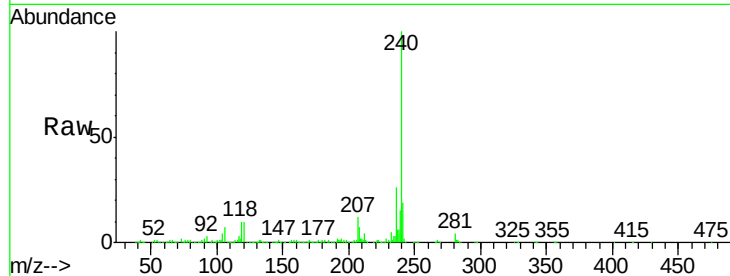
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	240	Resp:	847790
Ion Ratio	Lower	Upper	
240	100		
120	10.1	8.2	12.2
236	26.1	20.0	30.0

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#76

Benzidine

Concen: 0.873 ng

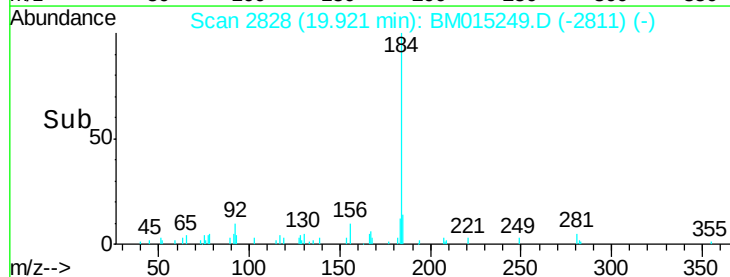
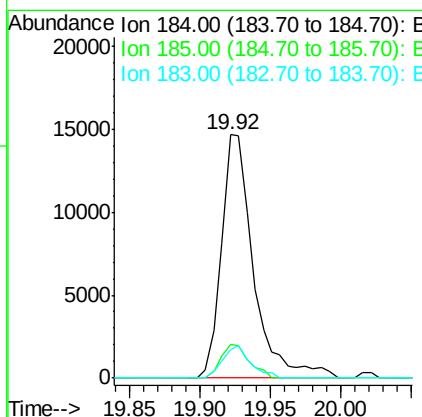
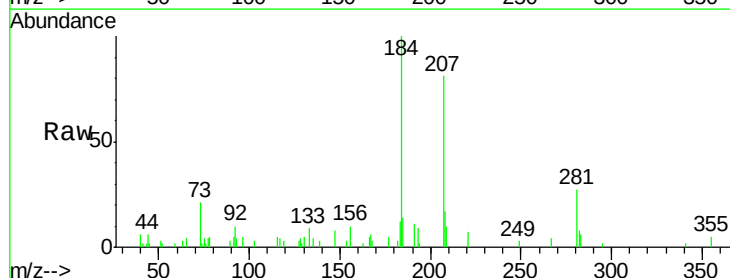
RT: 19.92 min Scan# 2828

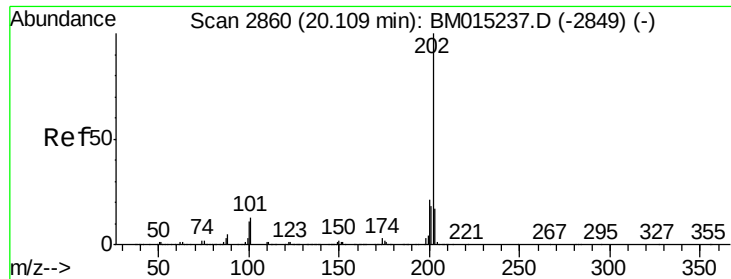
Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	184	Resp:	23159
Ion Ratio	Lower	Upper	
184	100		
185	14.0	11.3	16.9
183	11.6	8.9	13.3





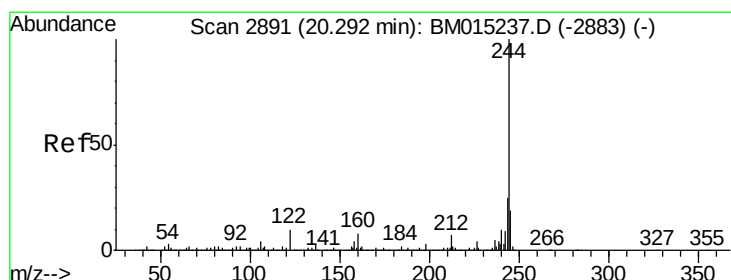
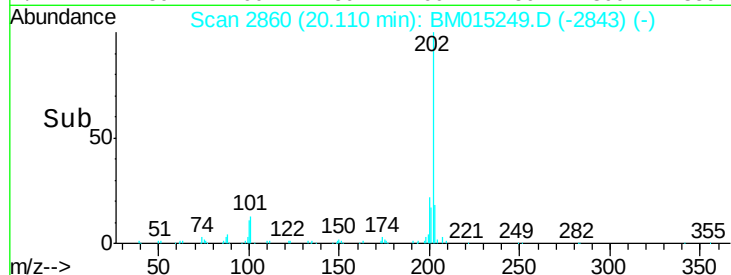
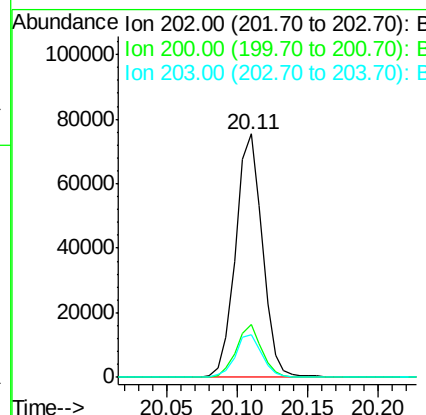
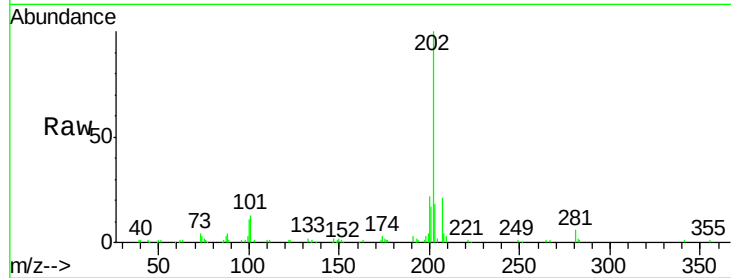
#77
 Pyrene
 Concen: 1.864 ng
 RT: 20.11 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	16.9	25.3
203	17.5	14.1	21.1

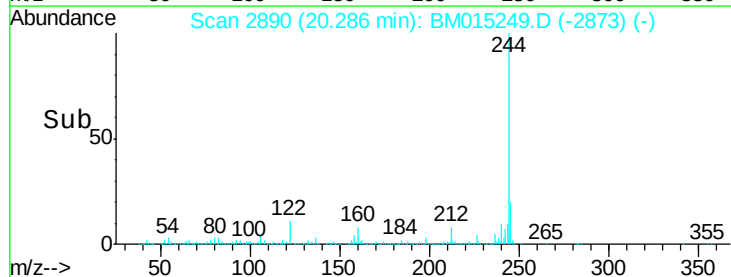
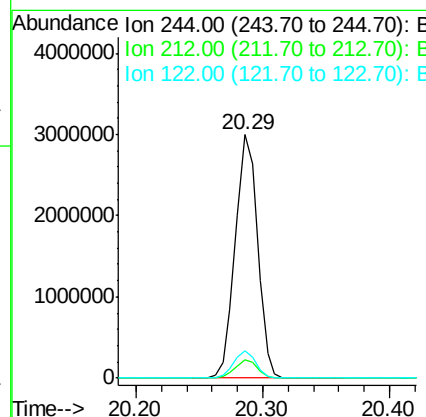
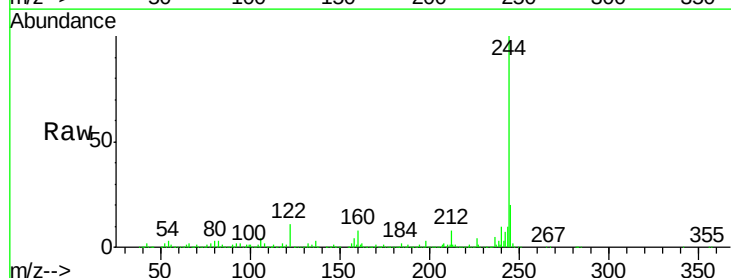
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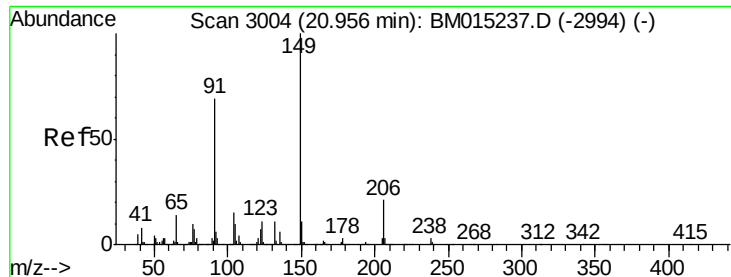
Sohil
 5/23/2018 3:27:41 PM



#78
 Terphenyl-d14
 Concen: 94.742 ng
 RT: 20.29 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	4.9	7.3#
122	11.3	6.2	9.4#





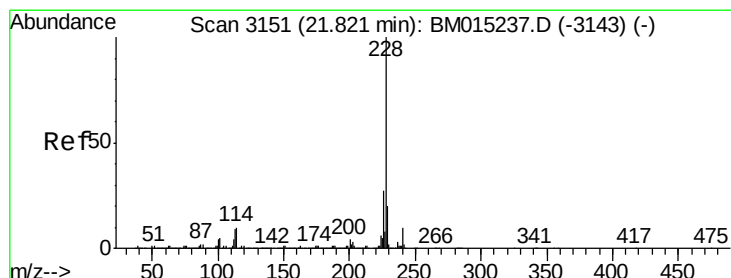
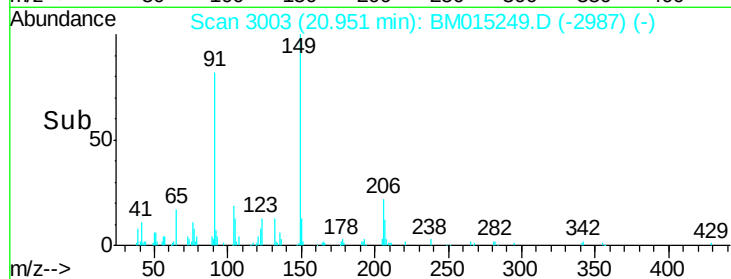
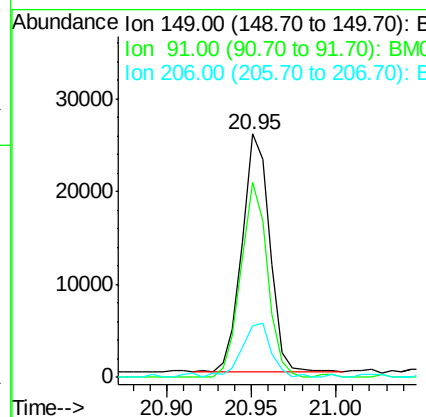
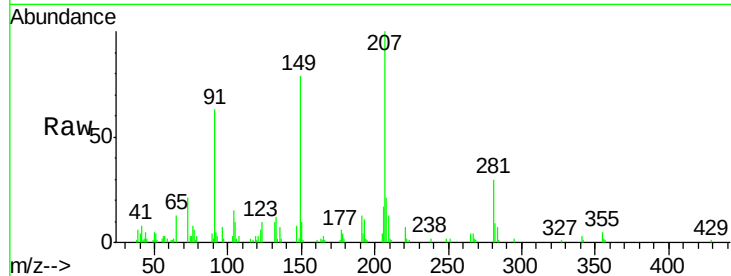
#79
Butylbenzylphthalate
Concen: 1.337 ng
RT: 20.95 min Scan# 3003
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	29218		
91	80.2	50.1	75.1#	
206	21.3	16.2	24.2	

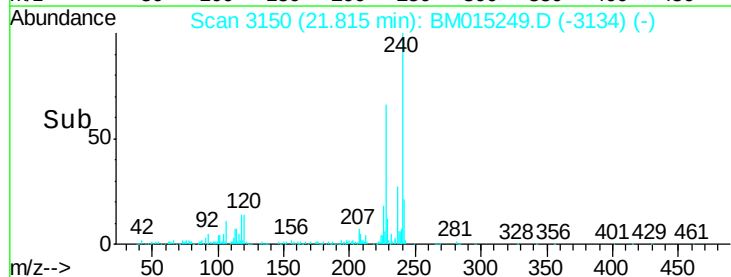
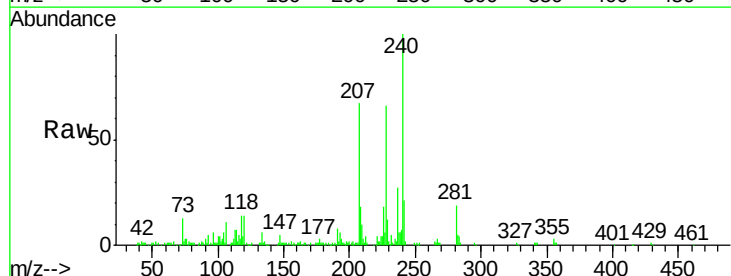
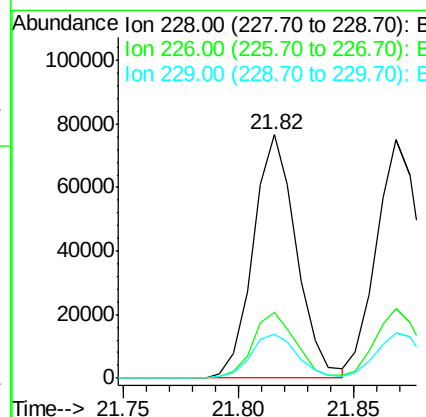
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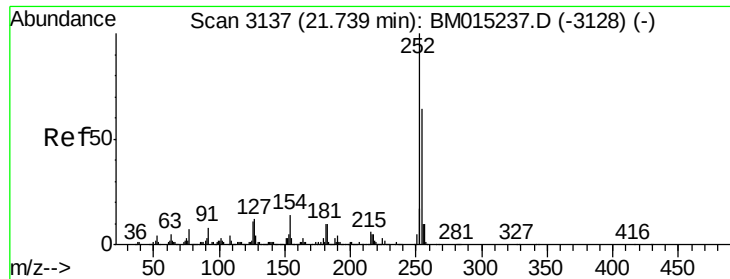
Sohil
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#80
Benzo(a)anthracene
Concen: 1.876 ng
RT: 21.82 min Scan# 3150
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	100209		
226	26.7	21.7	32.5	
229	18.1	16.0	24.0	





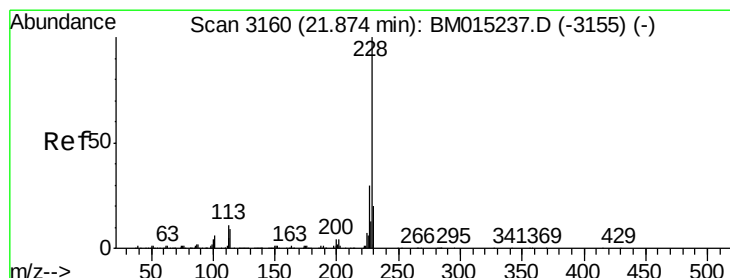
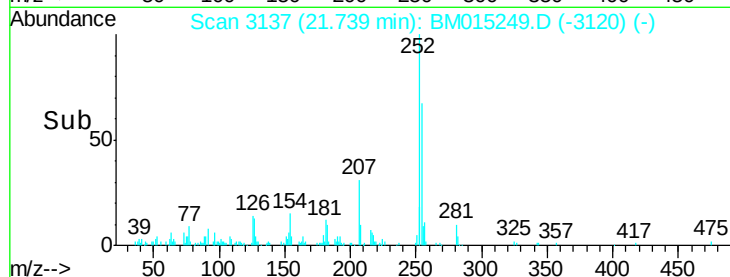
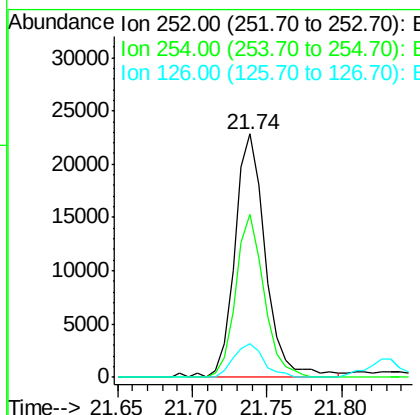
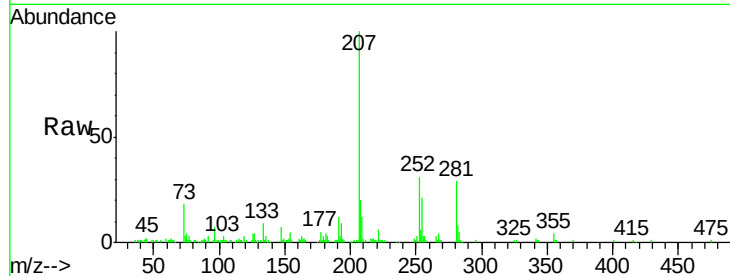
#81
 3,3'-Dichlorobenzidine
 Concen: 1.649 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	32628		
254	66.9		51.9	77.9
126	13.7		9.8	14.8

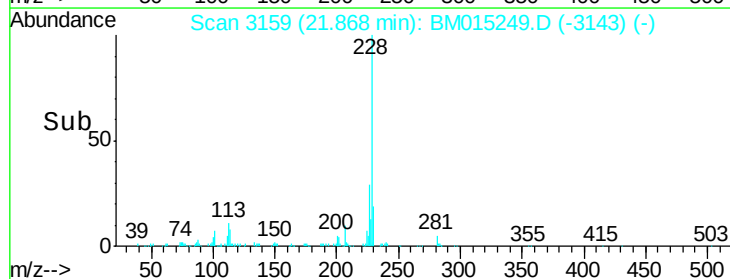
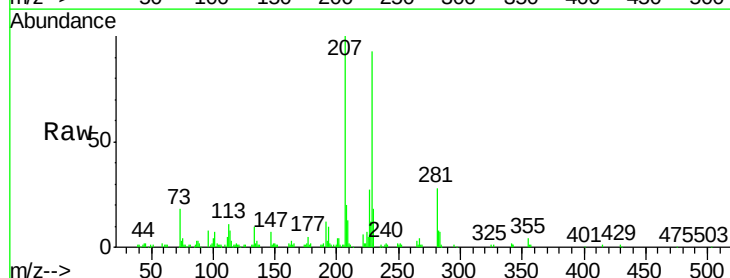
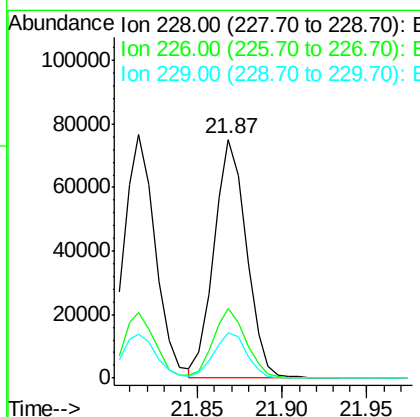
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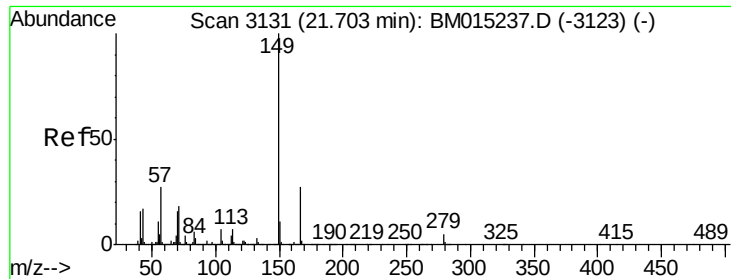
Sohil
 5/23/2018 3:27:41 PM



#82
 Chrysene
 Concen: 2.009 ng
 RT: 21.87 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	101077		
226	29.3		24.1	36.1
229	18.9		15.5	23.3





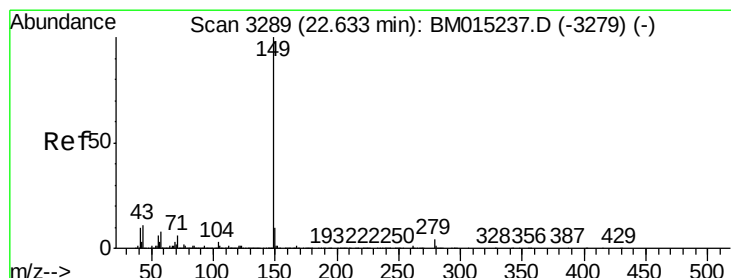
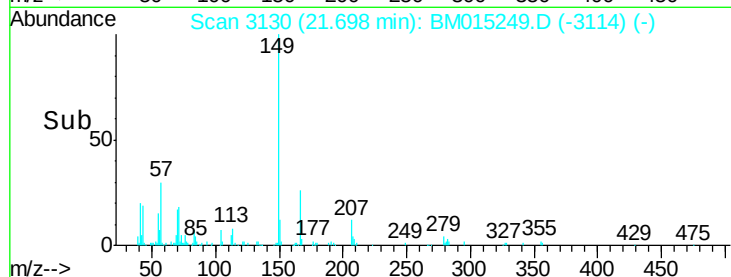
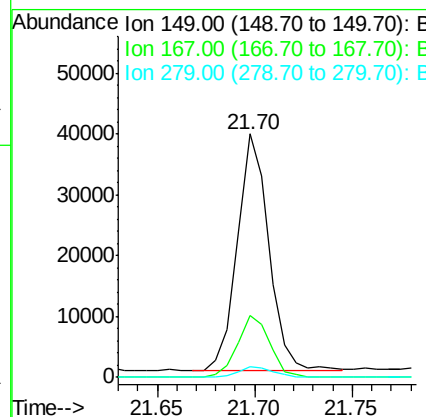
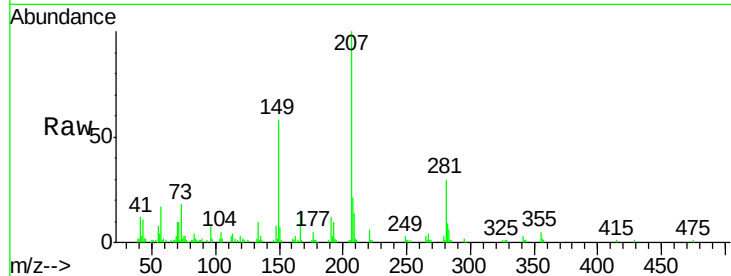
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.380 ng
 RT: 21.70 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	22.4	33.6
279	4.3	3.4	5.0

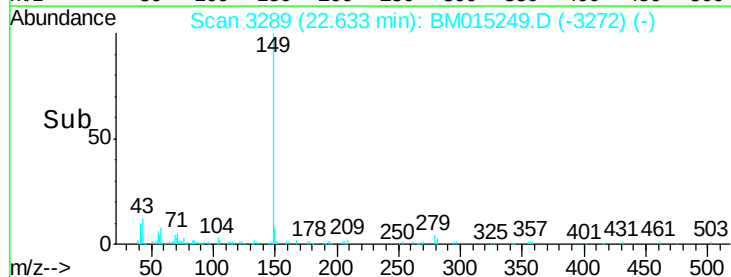
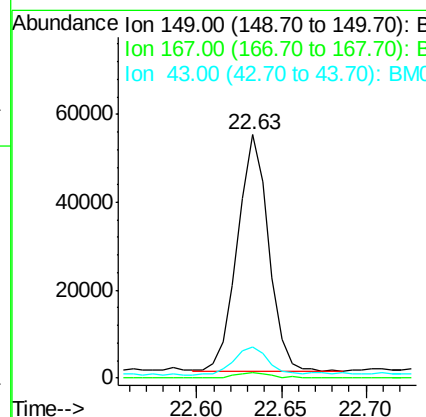
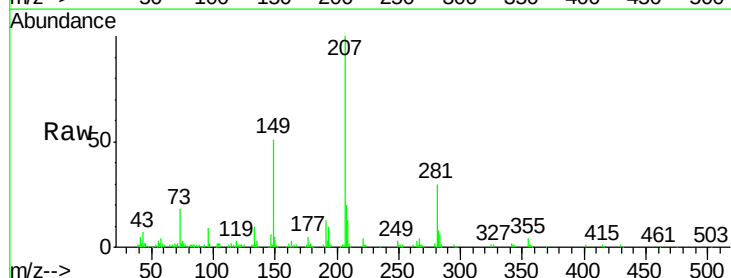
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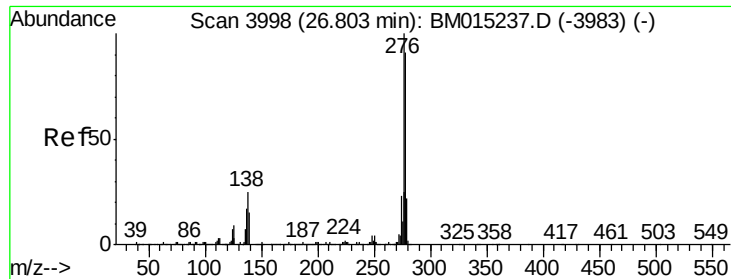
Sohil
 5/23/2018 3:27:41 PM



#84
 Di-n-octyl phthalate
 Concen: 1.236 ng
 RT: 22.63 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.3	1.2	1.8#
43	12.9	7.3	10.9#





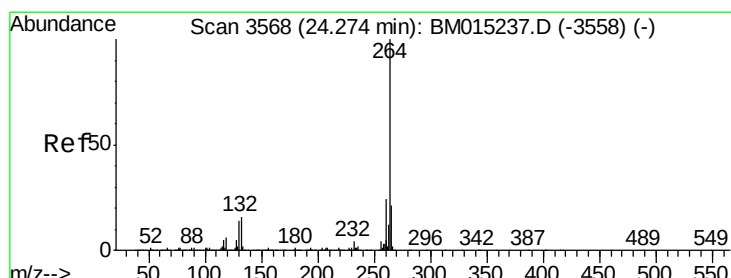
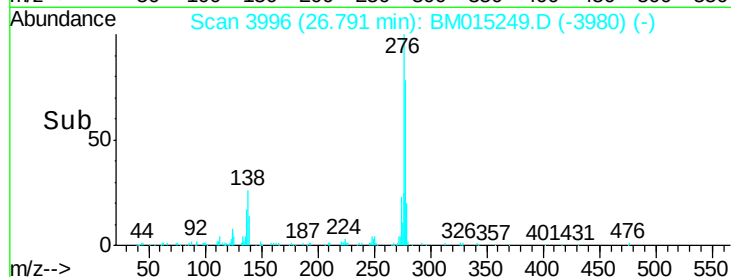
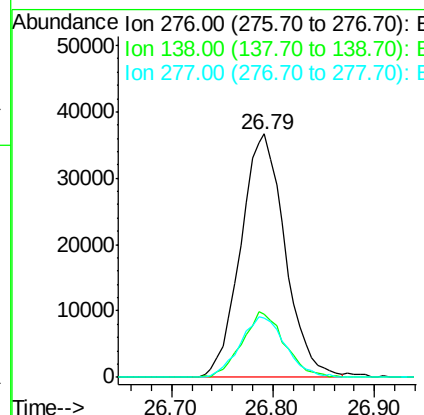
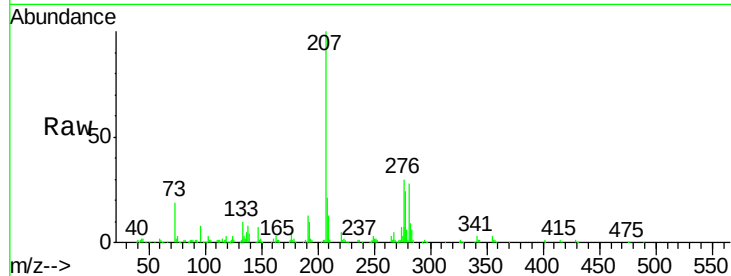
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 1.831 ng
 RT: 26.79 min Scan# 3996
 Delta R.T. -0.01 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

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

Tgt Ion:	276	Resp:	111470
Ion Ratio	Lower	Upper	
276	100		
138	25.7	12.0	18.0#
277	25.5	20.0	30.0

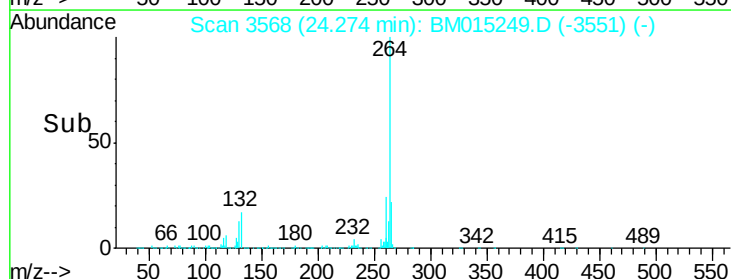
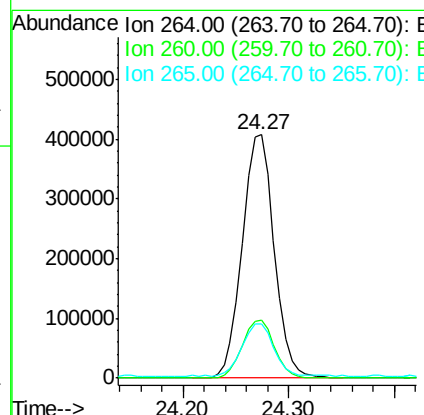
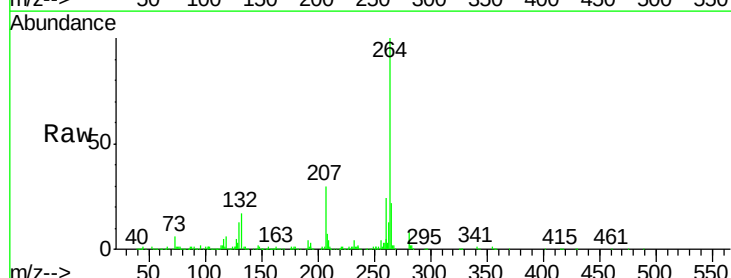
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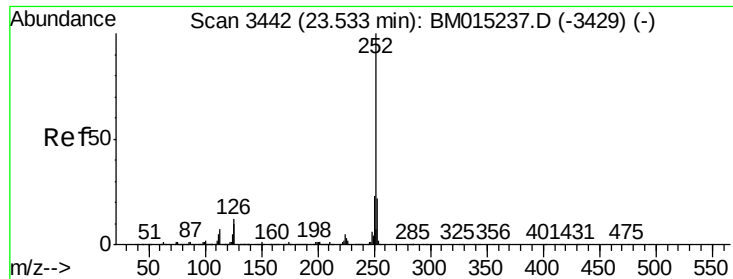
Sohil
 5/23/2018 3:27:41 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.27 min Scan# 3568
 Delta R.T. 0.00 min
 Lab File: BM015249.D
 Acq: 22 May 2018 20:36

Tgt Ion:	264	Resp:	854078
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.6	27.8
265	22.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 1.833 ng

RT: 23.53 min Scan# 3441

Delta R.T. 0.00 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Instrument :

BNA_M

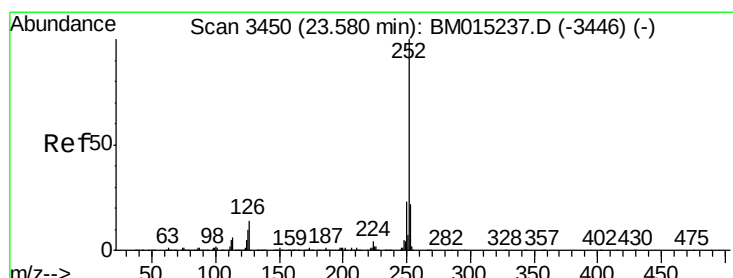
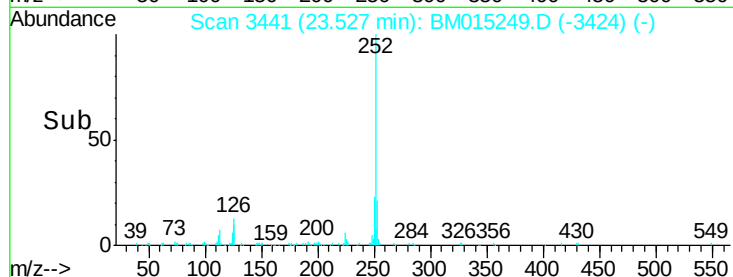
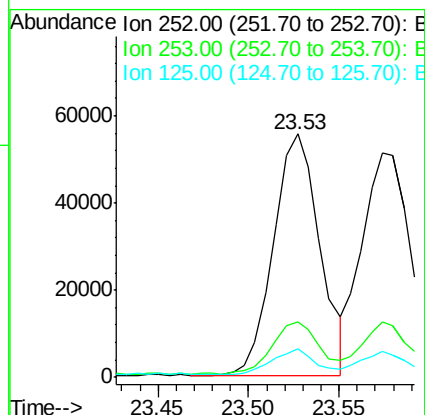
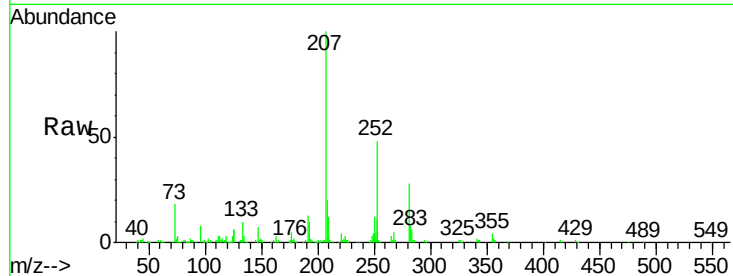
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	252	Resp:	99048
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	11.5	9.9	14.9

Manual Integrations
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Sohil
5/23/2018 3:27:41 PM



#88

Benzo(k)fluoranthene

Concen: 1.882 ng

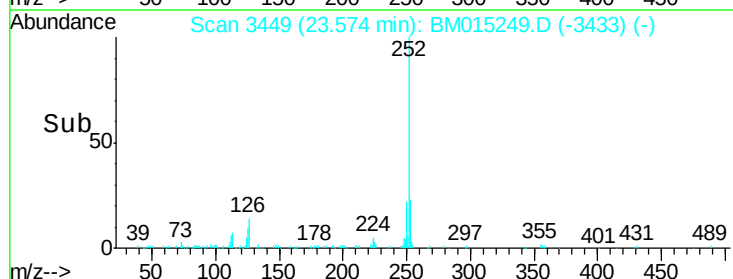
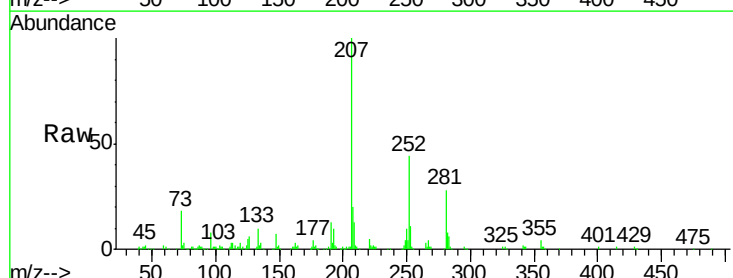
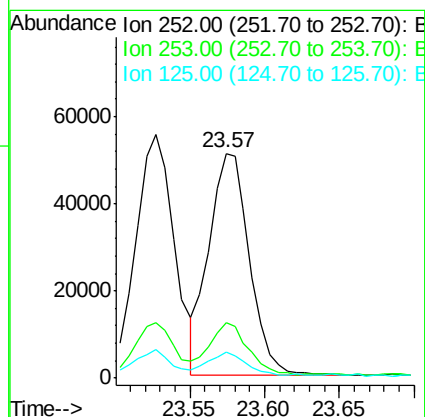
RT: 23.57 min Scan# 3449

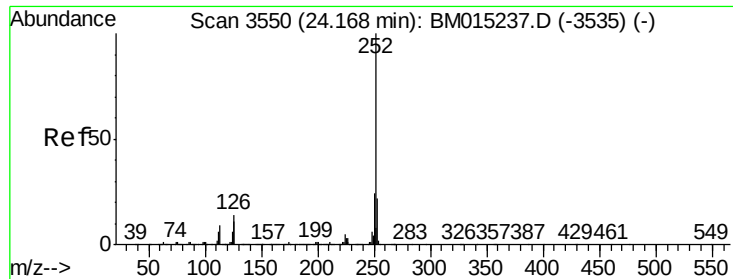
Delta R.T. -0.01 min

Lab File: BM015249.D

Acq: 22 May 2018 20:36

Tgt Ion:	252	Resp:	96189
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.2	25.8
125	11.4	8.1	12.1





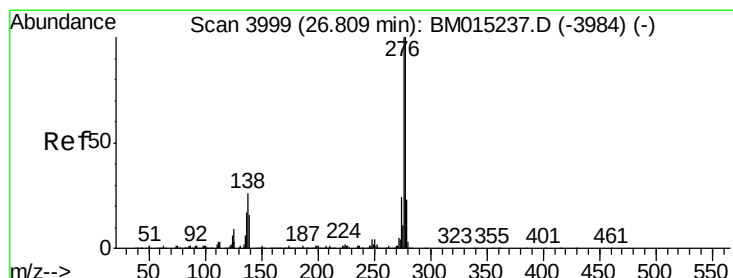
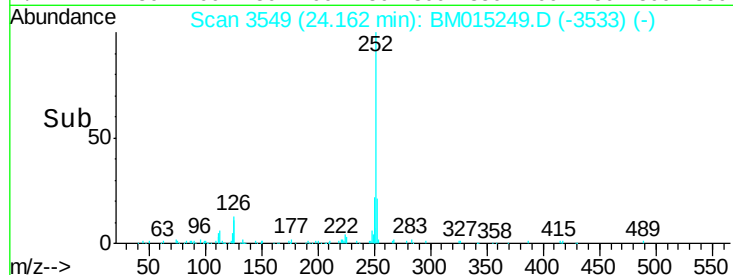
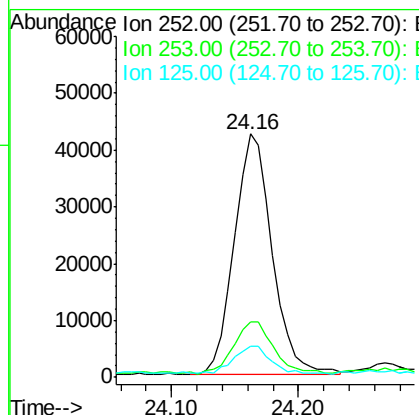
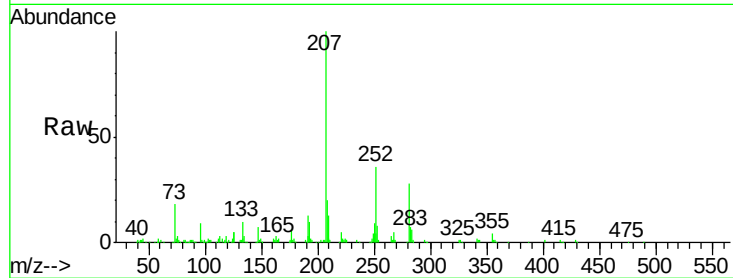
#89
Benzo(a)pyrene
Concen: 1.738 ng
RT: 24.16 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.8	17.6	26.4
125	12.6	7.4	11.2

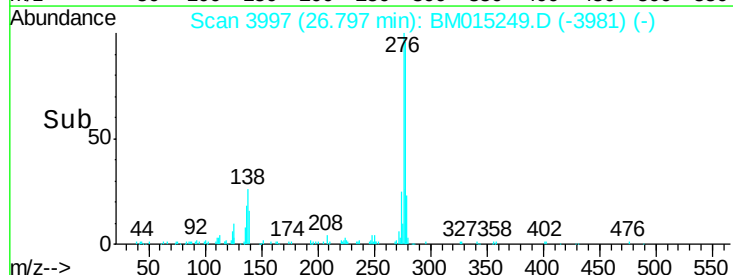
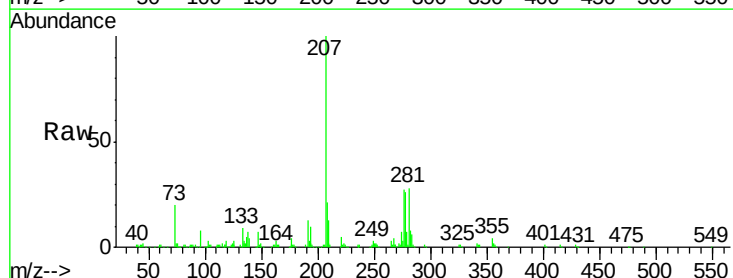
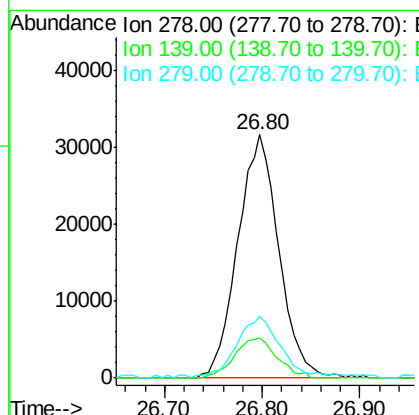
Manual Integrations
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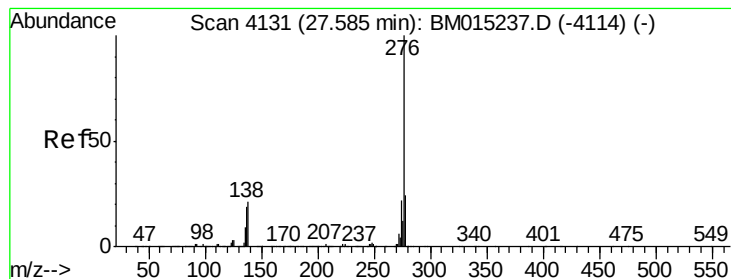
Sohil
5/23/2018 3:27:41 PM



#90
Dibenzo(a,h)anthracene
Concen: 1.808 ng
RT: 26.80 min Scan# 3997
Delta R.T. -0.01 min
Lab File: BM015249.D
Acq: 22 May 2018 20:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	16.5	13.4	20.0
279	25.3	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 1.863 ng

RT: 27.57 min Scan# 4128

Delta R.T. -0.01 min

Lab File: BM015249.D

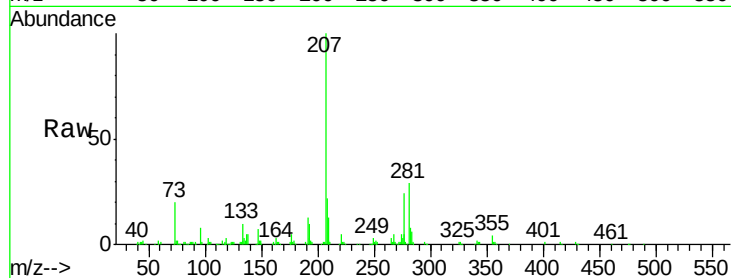
Acq: 22 May 2018 20:36

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018



Tgt Ion:	276	Resp:	93296
Ion Ratio	Lower	Upper	
276	100		
277	21.9	18.5	27.7
138	21.7	19.0	28.6

Manual Integrations
APPROVED

Sohil
5/23/2018 3:27:41 PM

