

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015251.D
 Acq On : 22 May 2018 21:49
 Operator : SJ/JU
 Sample : J2133-03
 Misc : MDL 8 PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 5/23/2018 10:11:26 AM

Quant Time: May 23 05:25:38 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	197603	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	805784	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	418414	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	868499	20.00	ng	0.00
75) Chrysene-d12	21.83	240	883836	20.00	ng	0.00
86) Perylene-d12	24.27	264	898155	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.89	112	1627726	134.77	ng	0.00
7) Phenol-d6	7.55	99	2077056	132.06	ng	0.00
23) Nitrobenzene-d5	9.59	82	1263941	85.93	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	727699	138.69	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2774457	82.43	ng	0.00
78) Terphenyl-d14	20.29	244	3703486	92.53	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.62	88	40201	8.057	ng	# 100
3) Pyridine	4.08	79	89665m	7.015	ng	
4) n-Nitrosodimethylamine	3.98	42	45168	6.531	ng	# 65
6) Aniline	7.72	93	146270	7.548	ng	97
8) 2-Chlorophenol	7.96	128	103831	7.617	ng	99
9) Benzaldehyde	7.53	77	63639	6.397	ng	89
10) Phenol	7.57	94	119503	7.482	ng	80
11) bis(2-Chloroethyl)ether	7.82	93	97120	7.666	ng	93
12) 1,3-Dichlorobenzene	8.29	146	124360	8.002	ng	# 95
13) 1,4-Dichlorobenzene	8.45	146	126423	8.045	ng	96
14) 1,2-Dichlorobenzene	8.77	146	120662	8.090	ng	96
15) Benzyl Alcohol	8.65	79	82625	7.265	ng	91
16) 2,2'-oxybis(1-Chloropropan	8.93	45	157581	7.884	ng	96
17) 2-Methylphenol	8.85	107	81429	7.669	ng	92
18) Hexachloroethane	9.50	117	42898	7.688	ng	91
19) n-Nitroso-di-n-propylamine	9.22	70	75217	7.504	ng	90
20) 3+4-Methylphenols	9.17	107	111243	7.891	ng	94
22) Acetophenone	9.25	105	157176	8.131	ng	# 95
24) Nitrobenzene	9.63	77	125018	8.163	ng	97
25) Isophorone	10.16	82	171095	6.772	ng	97
26) 2-Nitrophenol	10.35	139	41414	6.027	ng	# 77
27) 2,4-Dimethylphenol	10.39	122	71634	5.748	ng	96
28) bis(2-Chloroethoxy)methane	10.63	93	117513	7.103	ng	100
29) 2,4-Dichlorophenol	10.89	162	82883	7.023	ng	99
30) 1,2,4-Trichlorobenzene	11.10	180	112576	8.097	ng	99
31) Naphthalene	11.29	128	328079	7.833	ng	99
32) Benzoic acid	10.47	122	49491	6.864	ng	96
33) 4-Chloroaniline	11.40	127	125733	7.523	ng	# 91
34) Hexachlorobutadiene	11.56	225	66700	8.067	ng	98
35) Caprolactam	12.16	113	20141	6.030	ng	95
36) 4-Chloro-3-methylphenol	12.49	107	83743	6.946	ng	94
37) 2-Methylnaphthalene	12.87	142	219104	7.549	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.23	216	114524	7.771	ng	# 100
40) Hexachlorocyclopentadiene	13.20	237	35866	8.750	ng	98

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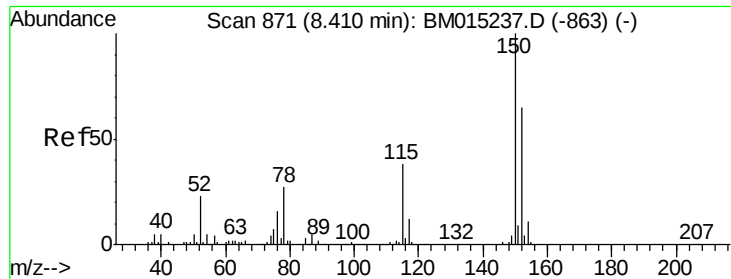
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.47	196	59765	6.748	ng	96
43) 2,4,5-Trichlorophenol	13.54	196	70280	7.349	ng	# 90
45) 1,1'-Biphenyl	13.86	154	300399	8.206	ng	98
46) 2-Chloronaphthalene	13.91	162	223044	7.916	ng	# 92
47) 2-Nitroaniline	14.11	65	51790	6.452	ng	85
48) Acenaphthylene	14.74	152	324266	7.748	ng	98
49) Dimethylphthalate	14.46	163	265833	7.961	ng	# 99
50) 2,6-Dinitrotoluene	14.59	165	50113	7.193	ng	93
51) Acenaphthene	15.08	154	211676	8.119	ng	99
52) 3-Nitroaniline	14.92	138	48418	6.600	ng	# 75
53) 2,4-Dinitrophenol	15.13	184	14908	9.833	ng	86
54) Dibenzofuran	15.41	168	315209	7.669	ng	94
55) 4-Nitrophenol	15.22	139	32541	5.469	ng	# 54
56) 2,4-Dinitrotoluene	15.37	165	60127	6.303	ng	# 85
57) Fluorene	16.05	166	249991	7.696	ng	100
58) 2,3,4,6-Tetrachlorophenol	15.63	232	53765m	6.556	ng	
59) Diethylphthalate	15.80	149	256649	7.797	ng	97
60) 4-Chlorophenyl-phenylether	16.03	204	126186	7.626	ng	94
61) 4-Nitroaniline	16.07	138	47125	6.144	ng	# 61
62) Azobenzene	16.33	77	229585	7.342	ng	91
64) 4,6-Dinitro-2-methylphenol	16.13	198	27514	5.740	ng	96
65) n-Nitrosodiphenylamine	16.24	169	214821	7.698	ng	99
66) 4-Bromophenyl-phenylether	16.92	248	72832	7.506	ng	# 86
67) Hexachlorobenzene	17.04	284	88657	7.934	ng	# 87
68) Atrazine	17.17	200	41831	4.725	ng	99
69) Pentachlorophenol	17.39	266	38640	6.212	ng	96
70) Phenanthrene	17.78	178	385668	7.796	ng	100
71) Anthracene	17.87	178	356403	7.228	ng	99
72) Carbazole	18.13	167	338846	7.762	ng	100
73) Di-n-butylphthalate	18.65	149	366073	7.122	ng	# 99
74) Fluoranthene	19.75	202	413423	7.620	ng	98
76) Benzidine	19.92	184	107647	3.891	ng	99
77) Pyrene	20.11	202	430413	7.716	ng	99
79) Butylbenzylphthalate	20.95	149	155535	6.829	ng	89
80) Benzo(a)anthracene	21.82	228	424966	7.630	ng	99
81) 3,3'-Dichlorobenzidine	21.74	252	147488	7.152	ng	98
82) Chrysene	21.87	228	413348	7.880	ng	99
83) Bis(2-ethylhexyl)phthalate	21.70	149	229396	6.924	ng	96
84) Di-n-octyl phthalate	22.63	149	348352	6.012	ng	# 93
85) Indeno(1,2,3-cd)pyrene	26.79	276	483182	7.614	ng	# 90
87) Benzo(b)fluoranthene	23.53	252	430381	7.573	ng	98
88) Benzo(k)fluoranthene	23.57	252	414406	7.709	ng	99
89) Benzo(a)pyrene	24.16	252	384511	7.254	ng	# 96
90) Dibenzo(a,h)anthracene	26.79	278	410081	7.583	ng	99
91) Benzo(g,h,i)perylene	27.57	276	399215	7.579	ng	96

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



#1

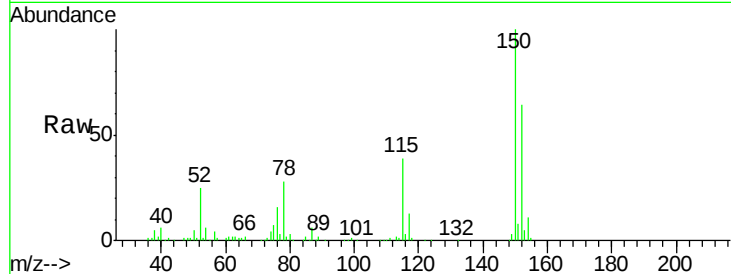
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.40 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	119.5	179.3
115	60.8	43.0	64.4

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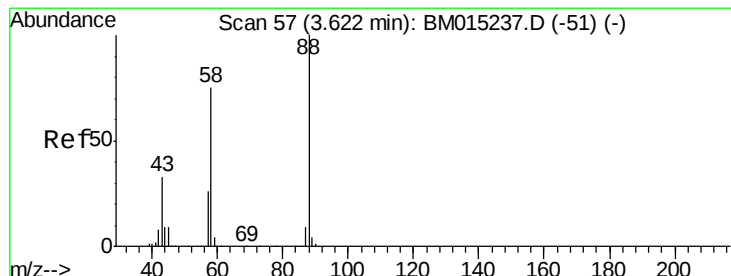
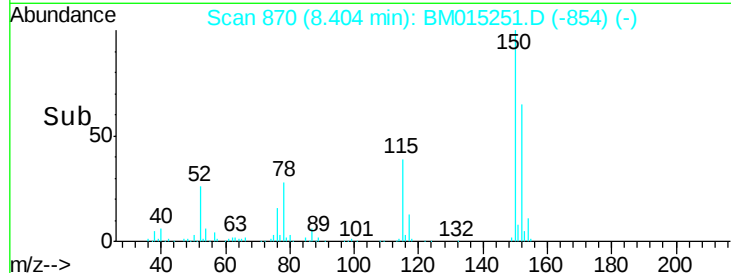
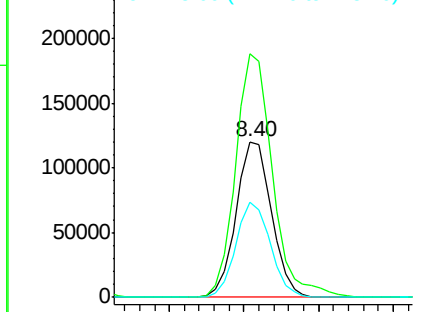


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

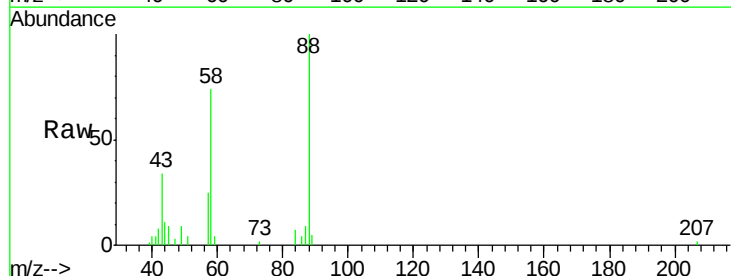
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 8.057 ng
RT: 3.62 min Scan# 57
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.5	0.0	0.0#
43	34.1	0.0	0.0#

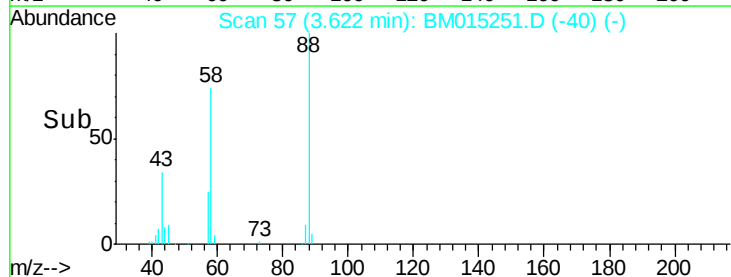
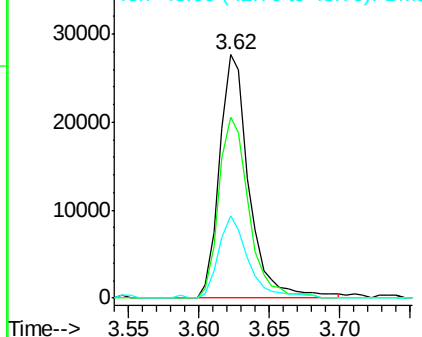


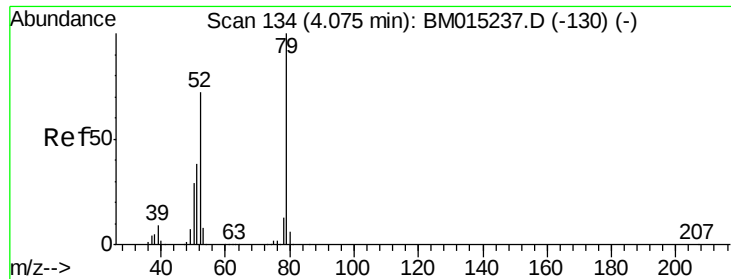
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





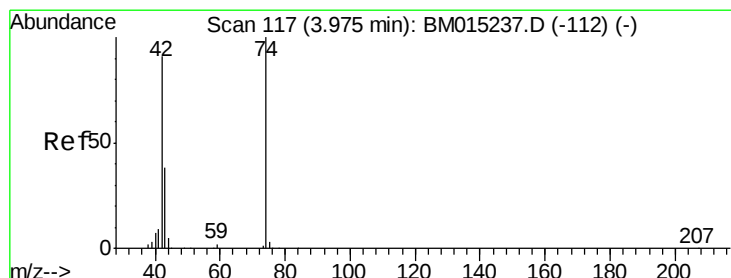
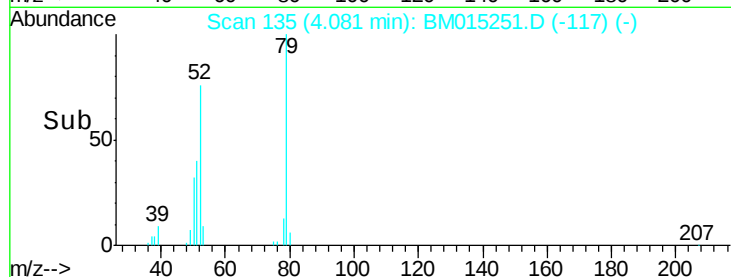
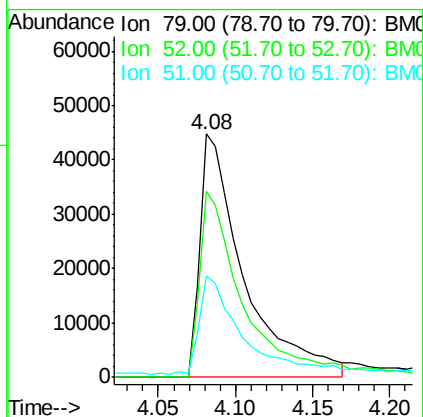
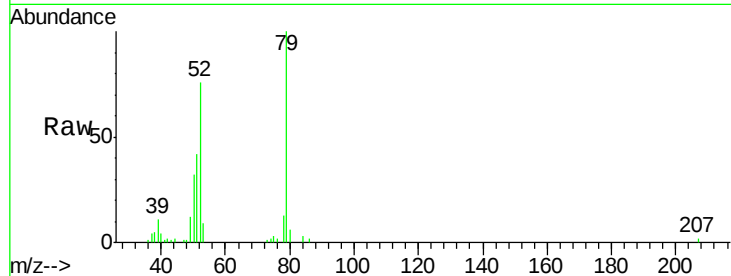
#3
Pyridine
Concen: 7.015 ng m
RT: 4.08 min Scan# 135
Delta R.T. 0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Lower	Upper
79	100		
52	76.4	51.1	76.7
51	41.7	26.1	39.1#

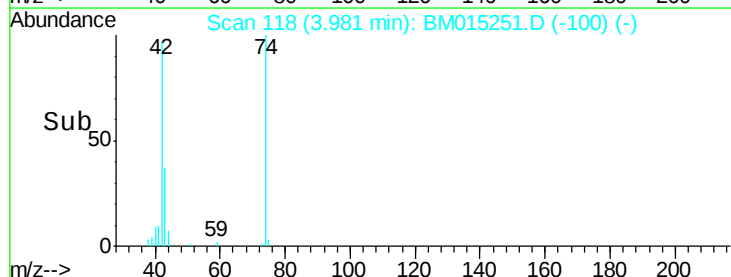
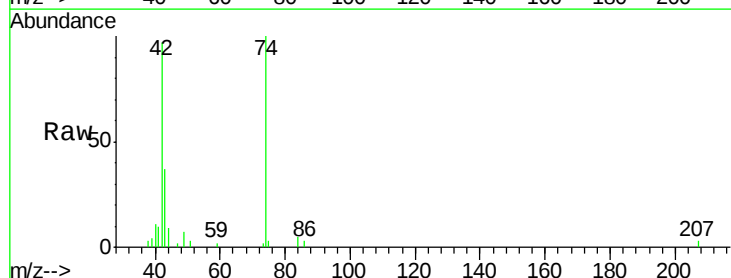
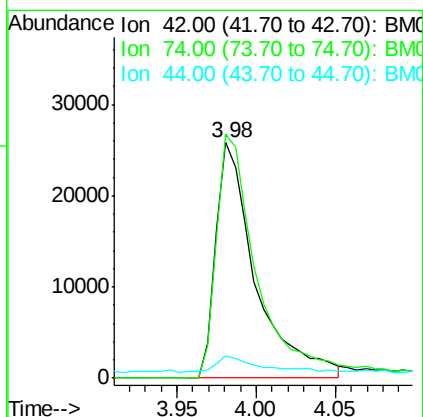
Manual Integrations
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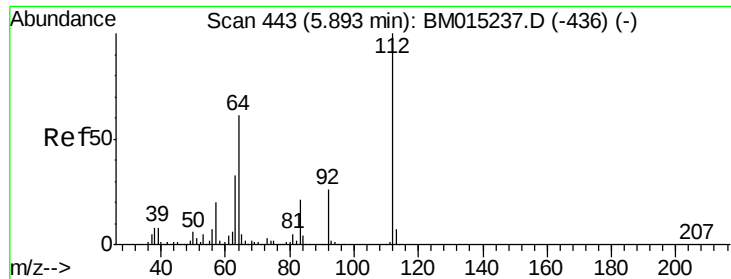
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#4
n-Nitrosodimethylamine
Concen: 6.531 ng
RT: 3.98 min Scan# 118
Delta R.T. 0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Lower	Upper
42	100		
74	103.4	119.3	178.9#
44	9.2	5.4	8.2#





#5

2-Fluorophenol

Concen: 134.770 ng

RT: 5.89 min Scan# 443

Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

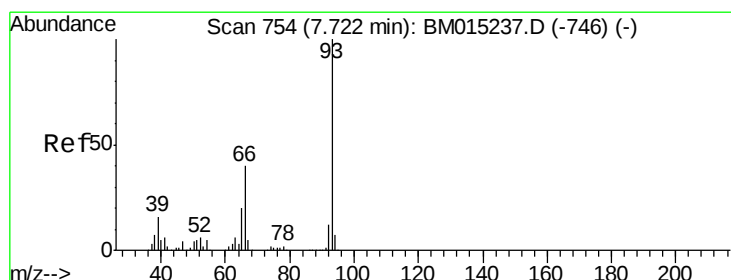
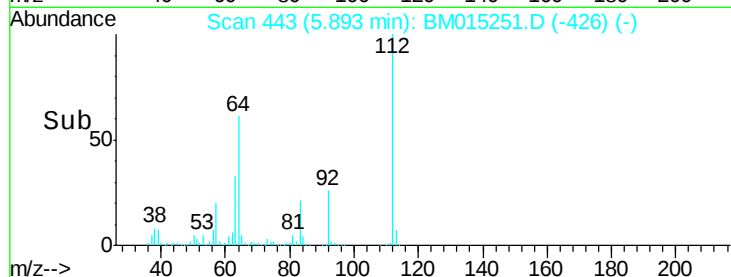
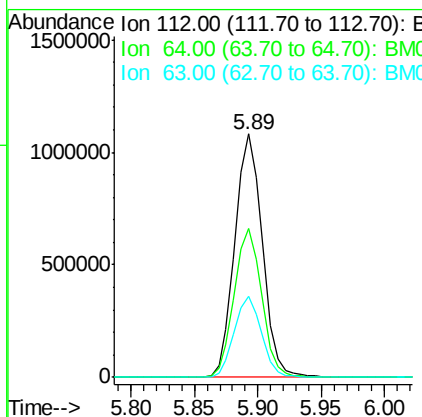
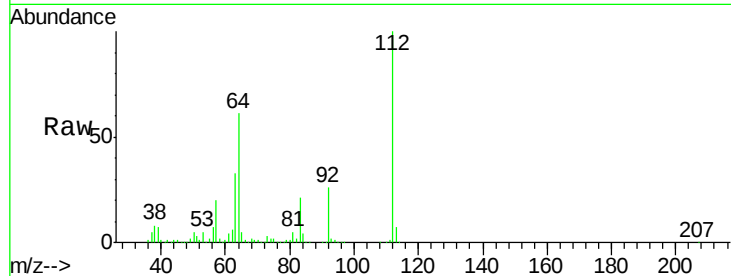
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	112	Resp:	1627726
Ion	Ratio	Lower	Upper
112	100		
64	60.9	38.6	57.8#
63	33.1	19.3	28.9#

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#6

Aniline

Concen: 7.548 ng

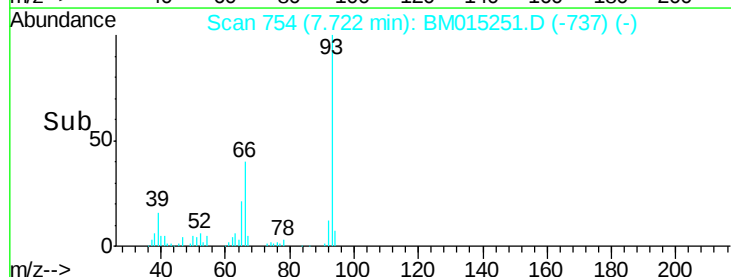
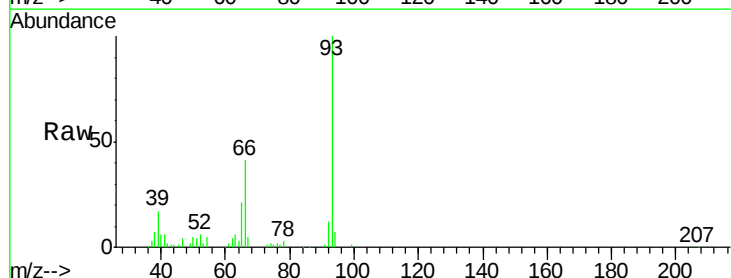
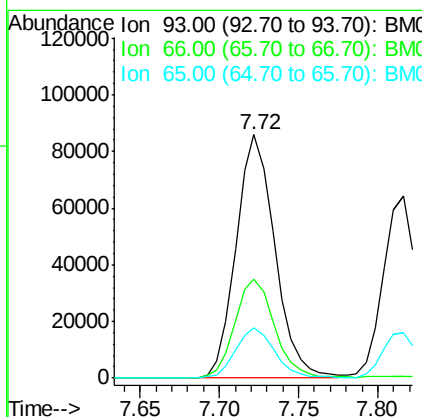
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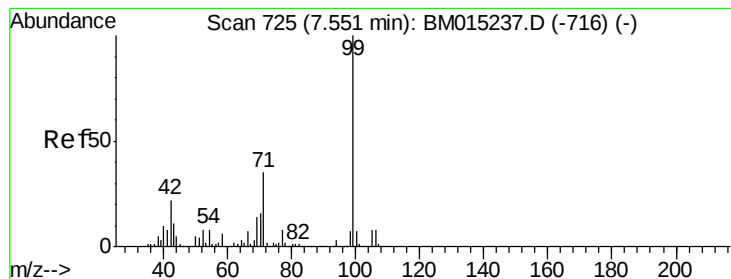
Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	93	Resp:	146270
Ion	Ratio	Lower	Upper
93	100		
66	40.8	30.8	46.2
65	20.5	16.0	24.0





#7

Phenol-d6

Concen: 132.063 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: BM015251.D

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Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion: 99 Resp: 2077056

Ion Ratio Lower Upper

99 100

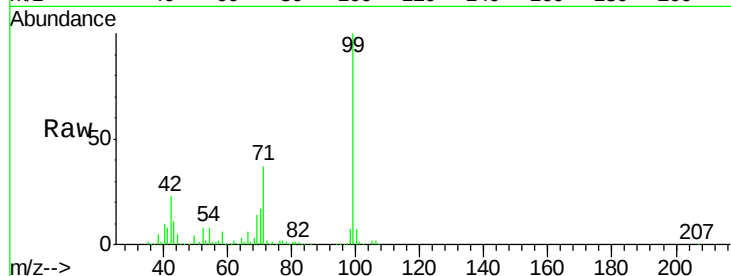
42 22.7 11.0 16.4#

71 36.6 23.4 35.2#

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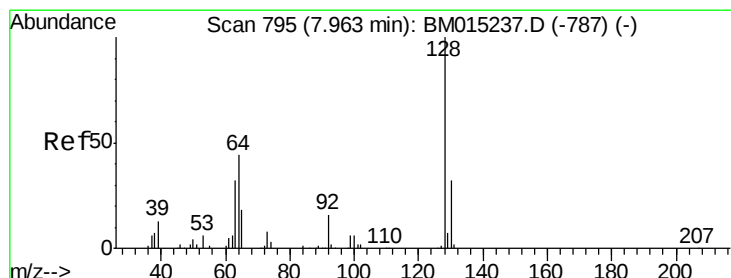
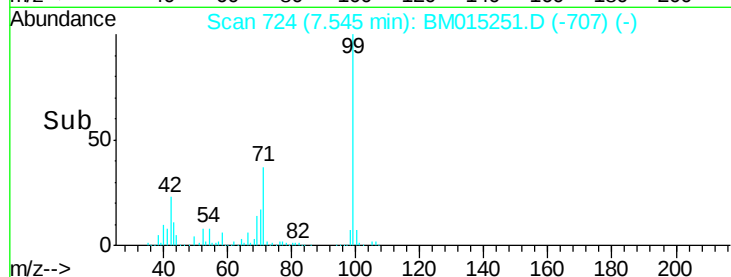
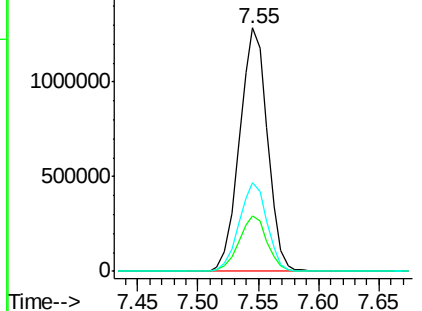
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Abundance Ion 99.00 (98.70 to 99.70): BM015251.D (-707) (-)

Ion 42.00 (41.70 to 42.70): BM015251.D (-707) (-)

Ion 71.00 (70.70 to 71.70): BM015251.D (-707) (-)



#8

2-Chlorophenol

Concen: 7.617 ng

RT: 7.96 min Scan# 795

Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

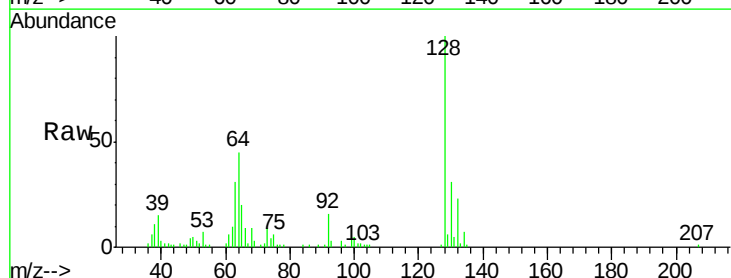
Tgt Ion: 128 Resp: 103831

Ion Ratio Lower Upper

128 100

130 31.4 12.0 52.0

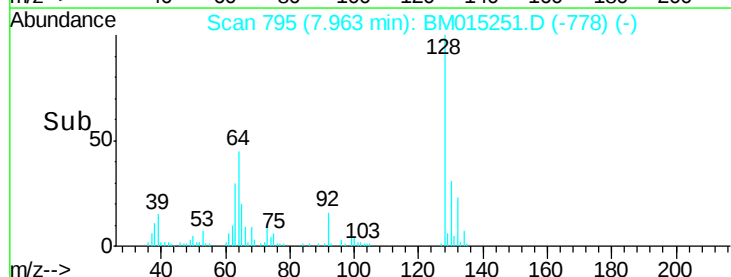
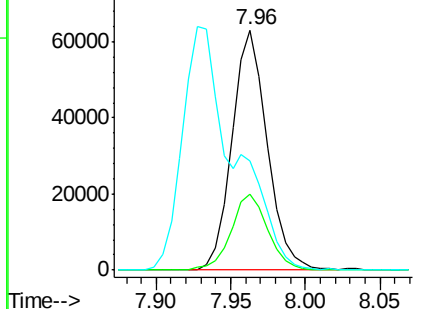
64 45.3 24.9 64.9

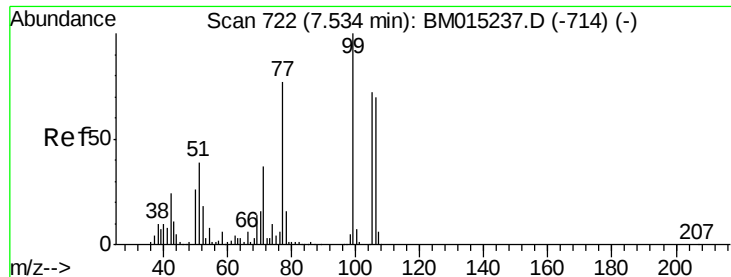


Abundance Ion 128.00 (127.70 to 128.70): BM015251.D (-778) (-)

Ion 130.00 (129.70 to 130.70): BM015251.D (-778) (-)

Ion 64.00 (63.70 to 64.70): BM015251.D (-778) (-)





#9

Benzaldehyde

Concen: 6.397 ng

RT: 7.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

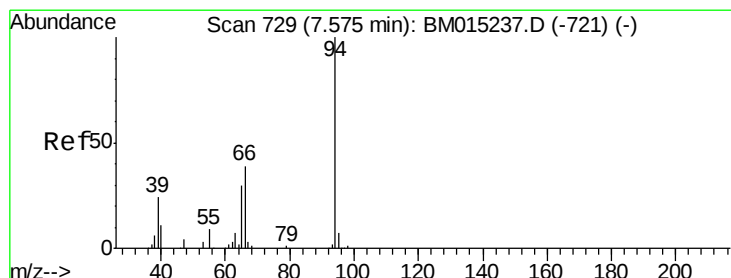
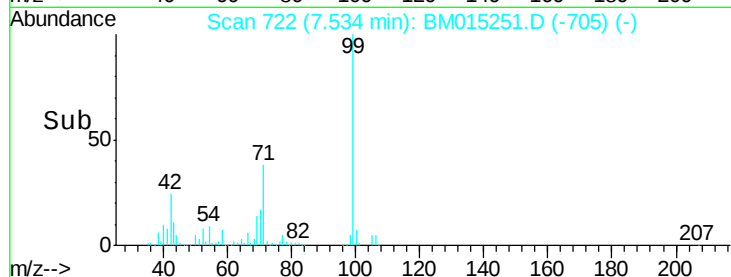
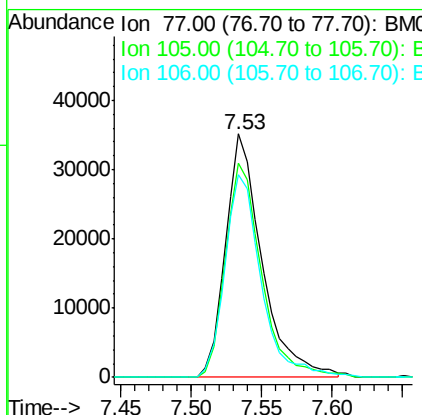
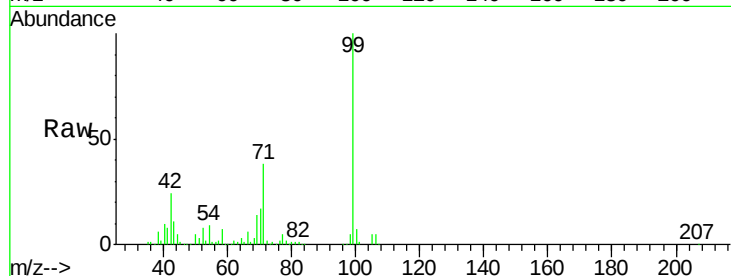
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	77	Resp:	63639
Ion	Ratio	Lower	Upper
77	100		
105	88.0	78.8	118.8
106	83.1	73.7	113.7

Manual Integrations
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#10

Phenol

Concen: 7.482 ng

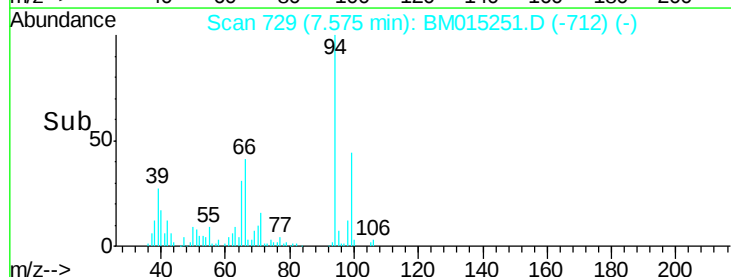
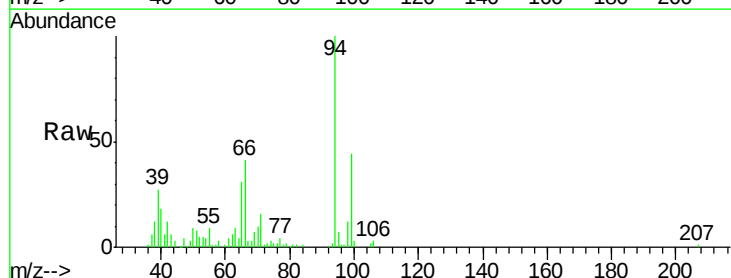
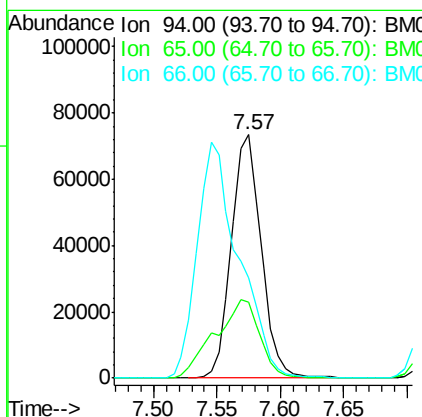
RT: 7.57 min Scan# 729

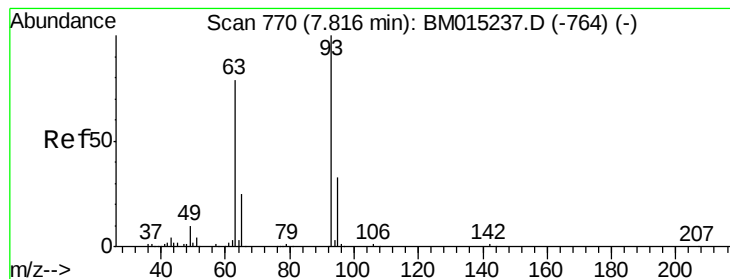
Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	94	Resp:	119503
Ion	Ratio	Lower	Upper
94	100		
65	31.0	18.8	58.8
66	41.2	39.9	79.9





#11

bis(2-Chloroethyl)ether

Concen: 7.666 ng

RT: 7.82 min Scan# 770

Delta R.T. 0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

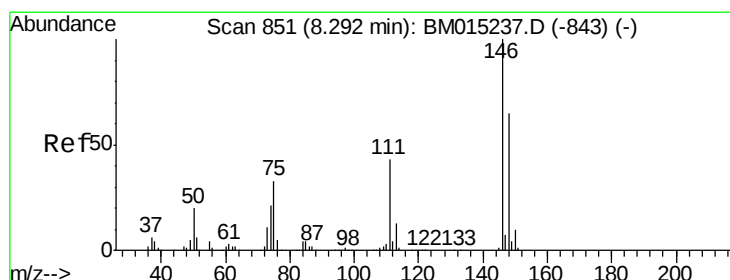
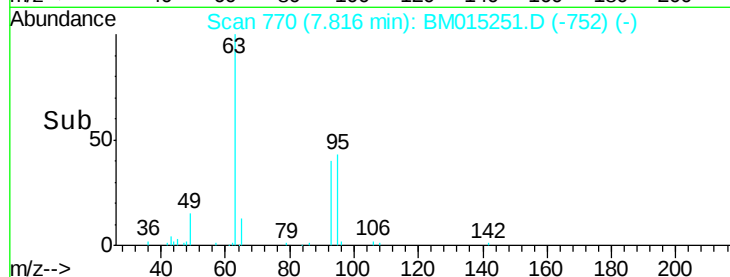
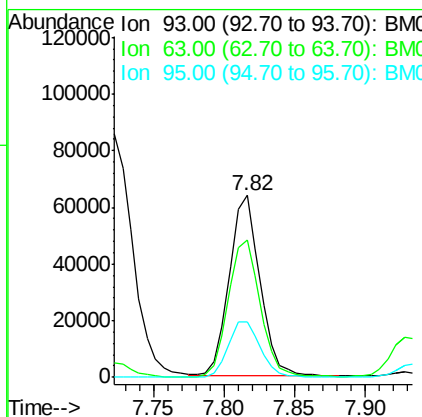
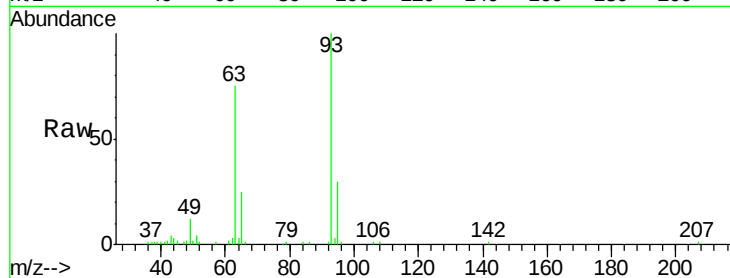
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	93	Resp:	97120
Ion	Ratio	Lower	Upper
93	100		
63	75.4	49.5	89.5
95	30.3	13.5	53.5

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#12

1,3-Dichlorobenzene

Concen: 8.002 ng

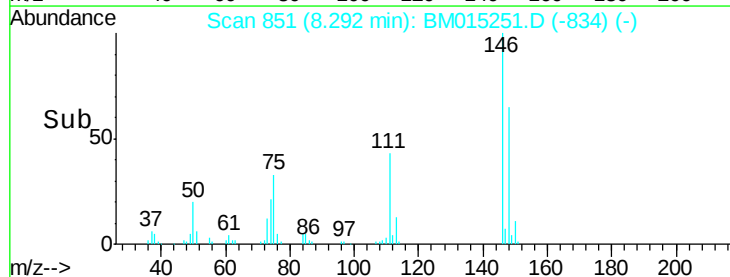
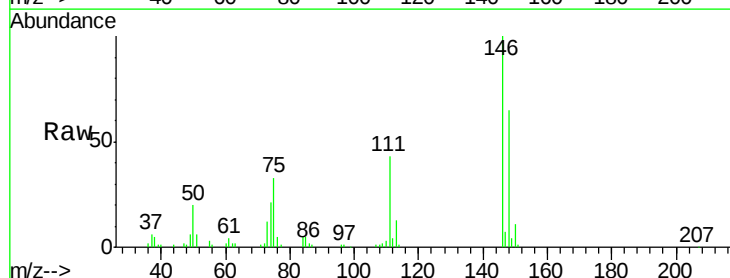
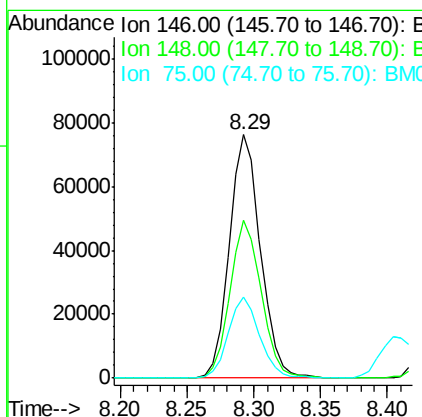
RT: 8.29 min Scan# 851

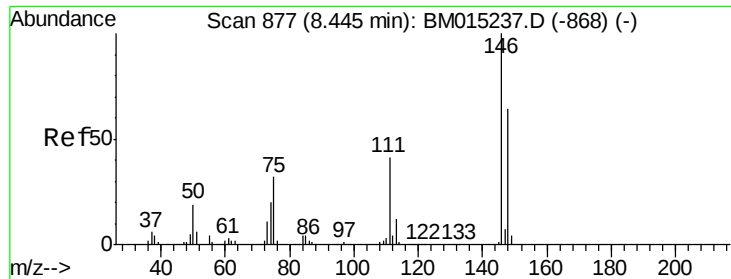
Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	146	Resp:	124360
Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.9	76.3
75	33.2	21.4	32.2#





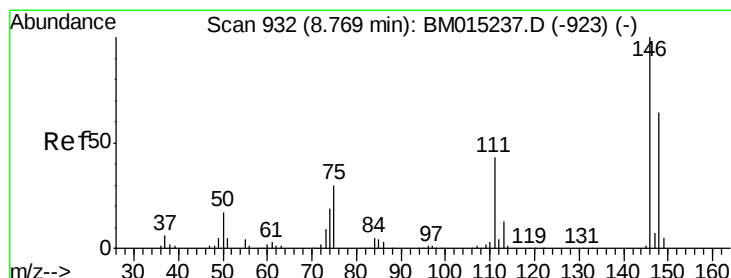
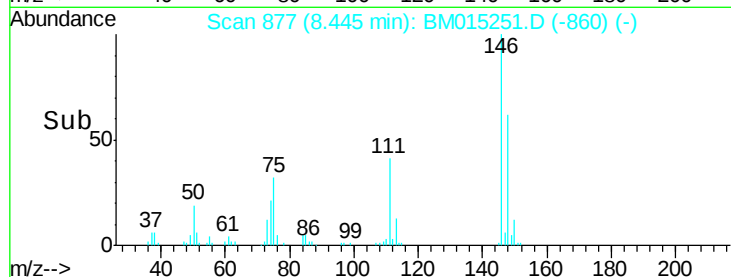
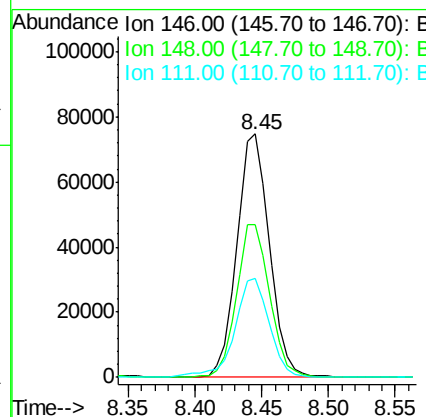
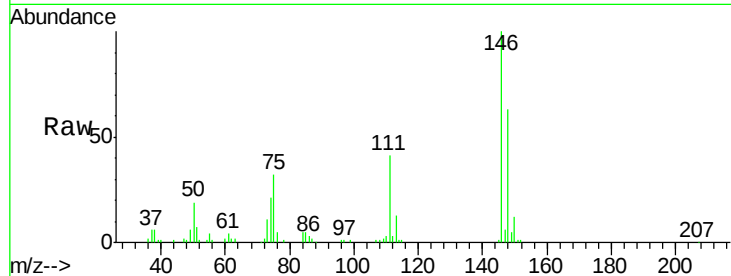
#13
1,4-Dichlorobenzene
Concen: 8.045 ng
RT: 8.45 min Scan# 877
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126423		
148	62.5	51.9	77.9	
111	40.6	29.2	43.8	

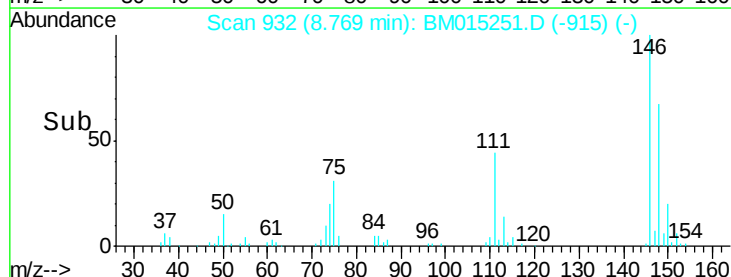
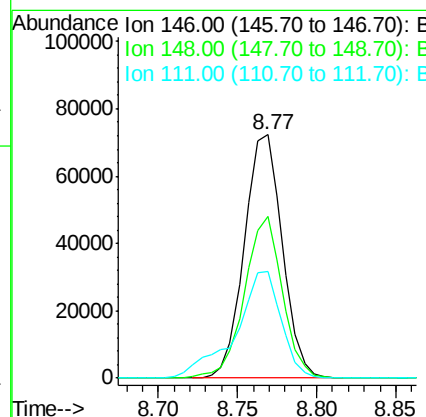
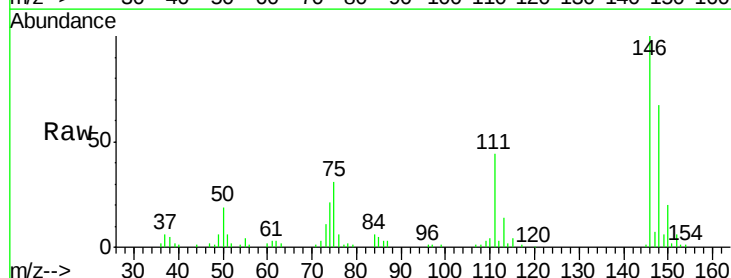
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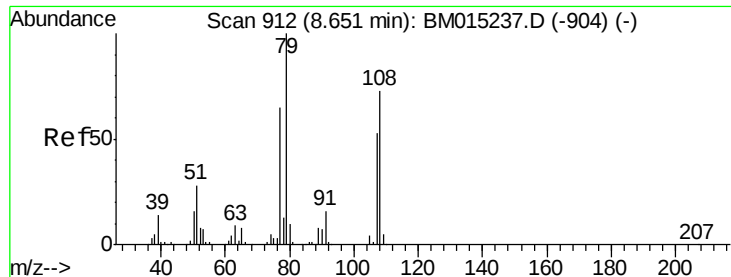
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#14
1,2-Dichlorobenzene
Concen: 8.090 ng
RT: 8.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	120662		
148	66.5	52.3	78.5	
111	43.8	30.6	45.8	





#15

Benzyl Alcohol

Concen: 7.265 ng

RT: 8.65 min Scan# 911

Delta R.T. -0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

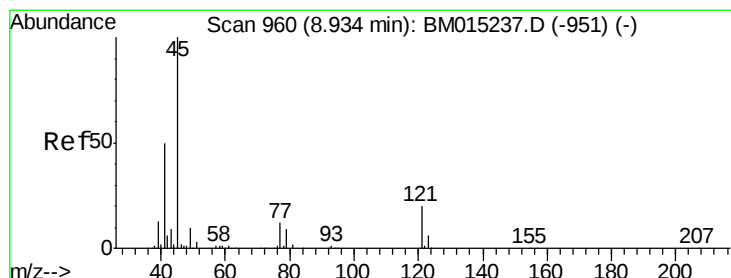
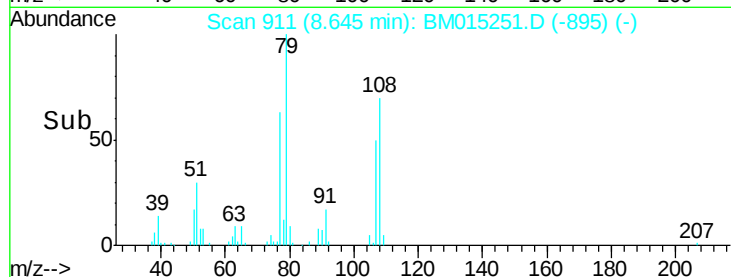
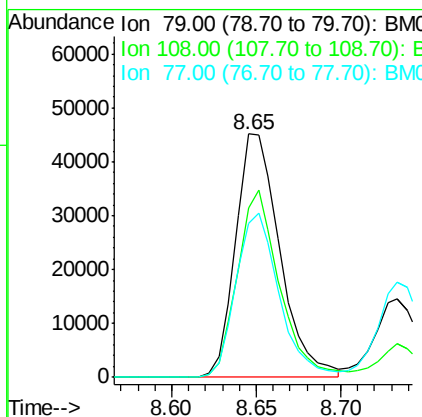
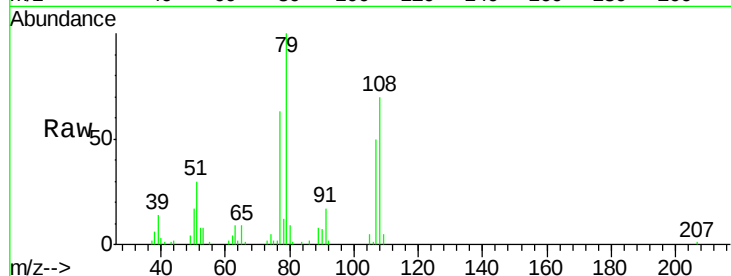
ClientSampleId :

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Tgt Ion:	79	Resp:	82625
Ion Ratio	Lower	Upper	
79	100		
108	69.5	65.0	97.4
77	63.5	53.0	79.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.884 ng

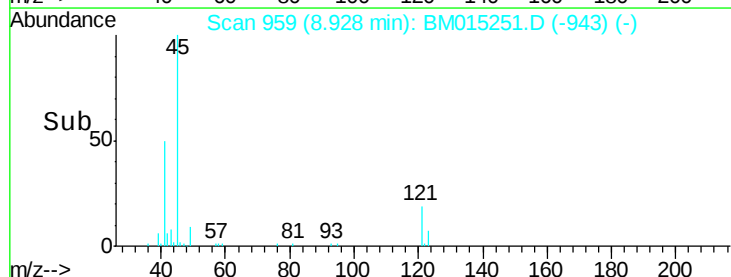
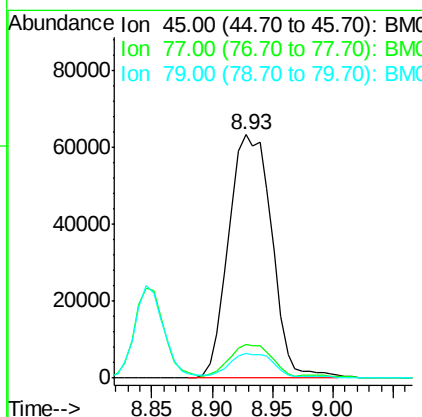
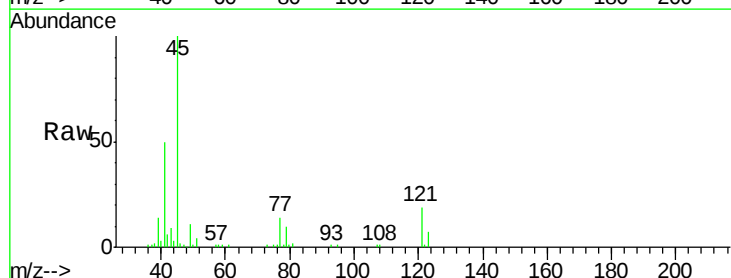
RT: 8.93 min Scan# 959

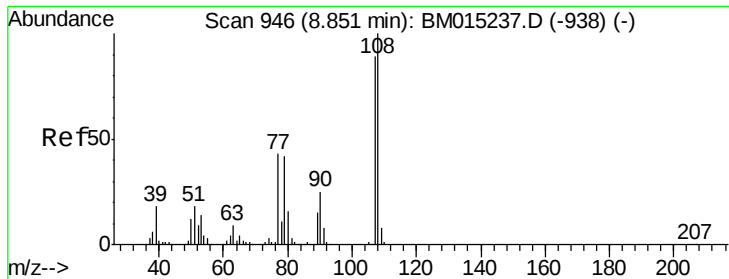
Delta R.T. -0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	45	Resp:	157581
Ion Ratio	Lower	Upper	
45	100		
77	13.8	0.0	35.2
79	10.4	0.0	32.0





#17

2-Methylphenol

Concen: 7.669 ng

RT: 8.85 min Scan# 945

Delta R.T. -0.01 min

Lab File: BM015251.D

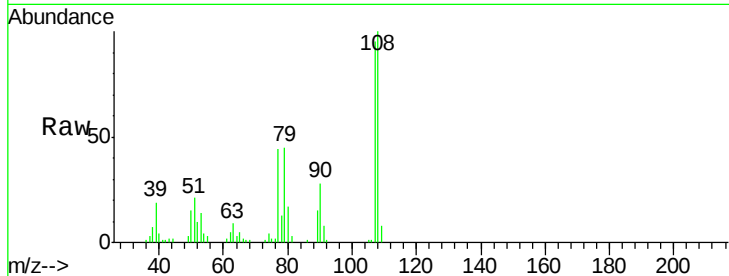
Acq: 22 May 2018 21:49

Instrument :

BNA_M

ClientSampleId :

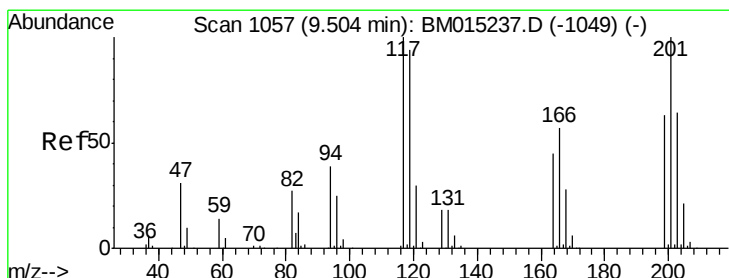
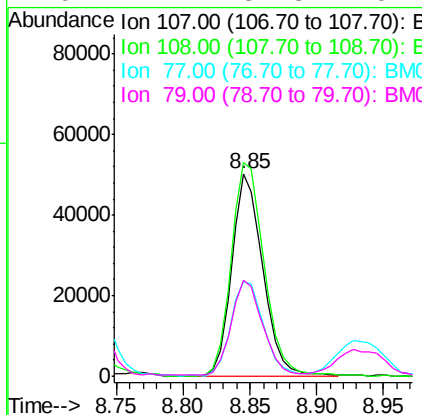
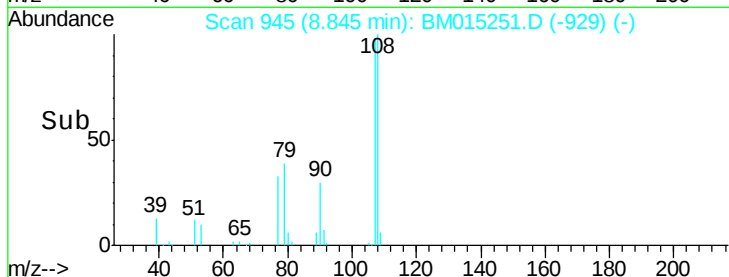
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Tgt Ion:	107	Resp:	81429
Ion Ratio	Lower	Upper	
107	100		
108	105.4	89.8	134.8
77	46.6	32.6	48.8
79	47.7	32.8	49.2

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#18

Hexachloroethane

Concen: 7.688 ng

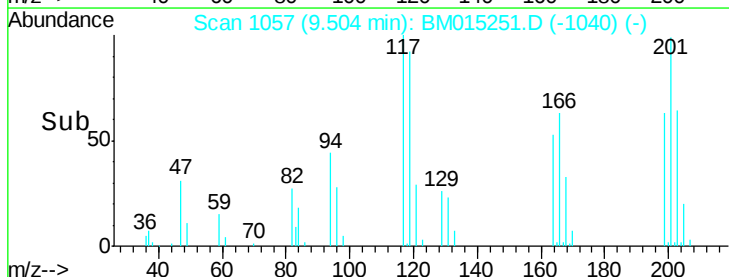
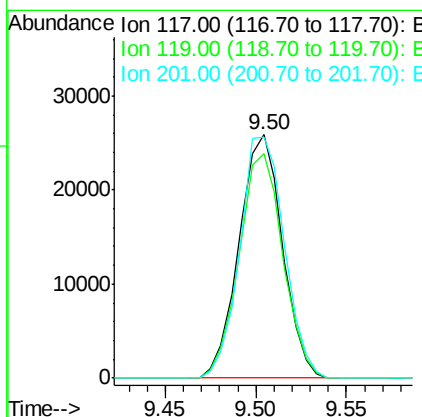
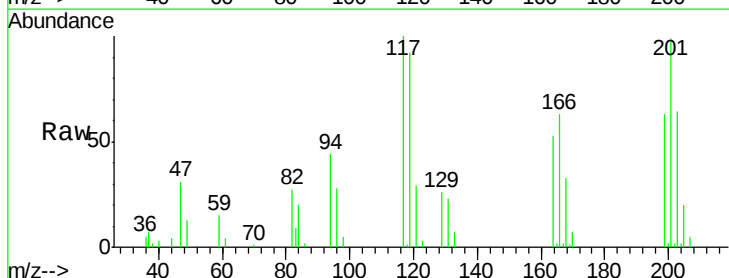
RT: 9.50 min Scan# 1057

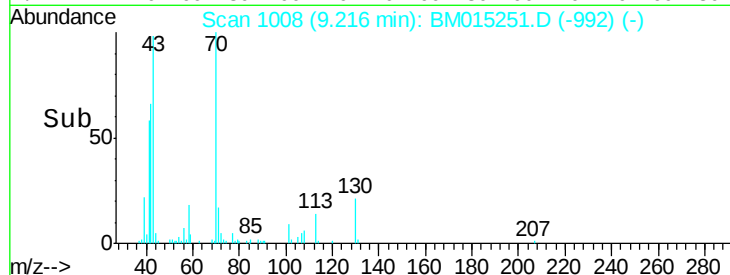
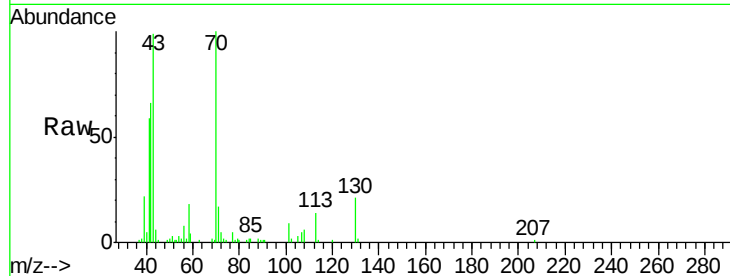
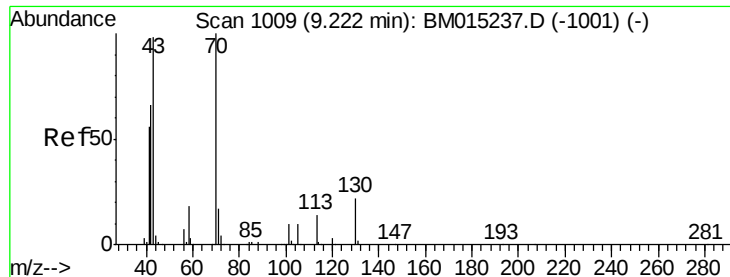
Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	117	Resp:	42898
Ion Ratio	Lower	Upper	
117	100		
119	92.4	79.2	118.8
201	98.8	69.8	104.6





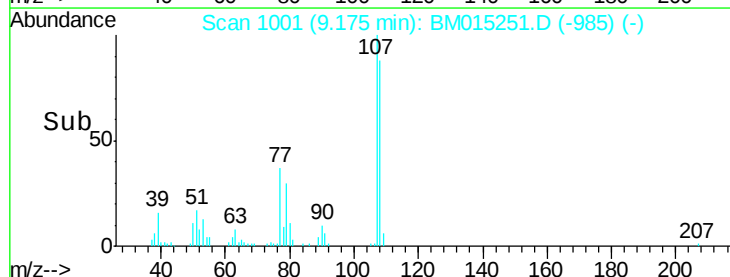
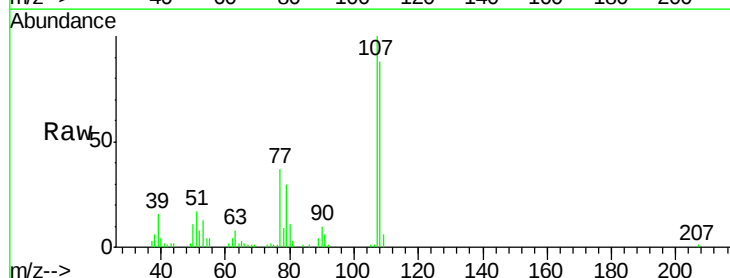
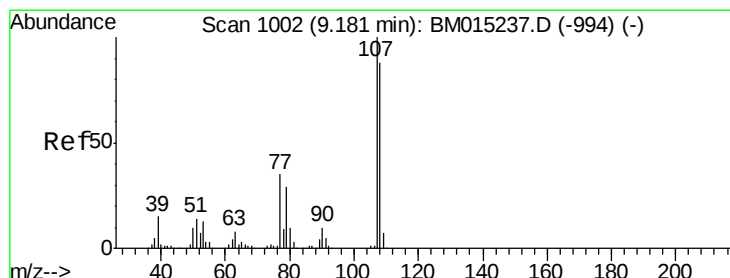
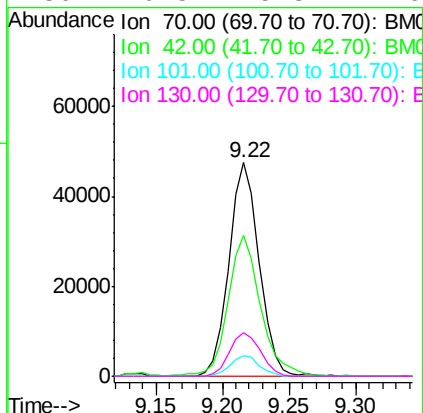
#19
n-Nitroso-di-n-propylamine
Concen: 7.504 ng
RT: 9.22 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Lower	Upper
70	100		
42	65.7	44.5	66.7
101	9.4	7.4	11.2
130	20.5	15.3	22.9

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

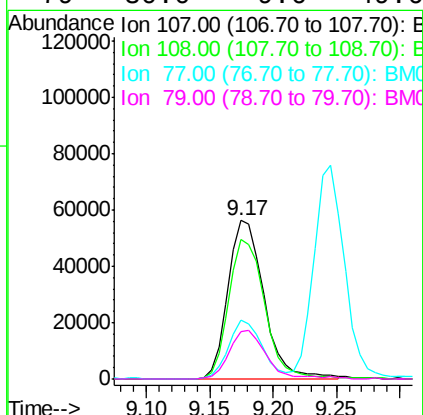
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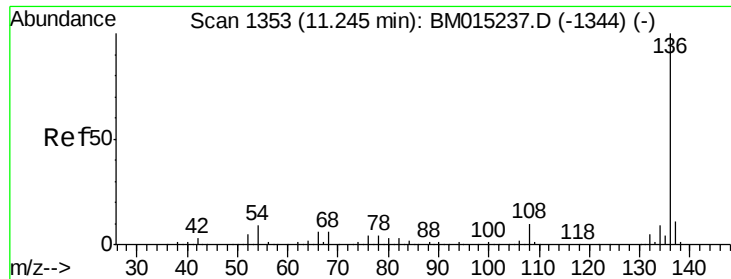
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#20
3+4-Methylphenols
Concen: 7.891 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.1	73.2	113.2
77	37.0	10.7	50.7
79	30.0	9.6	49.6





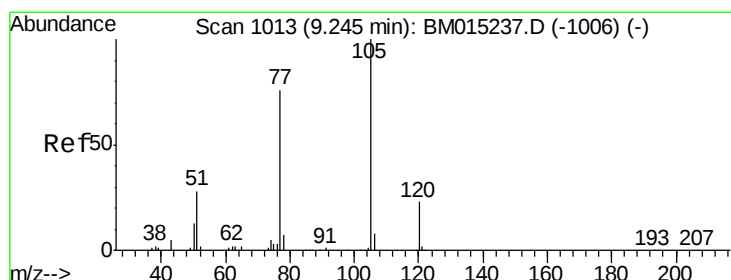
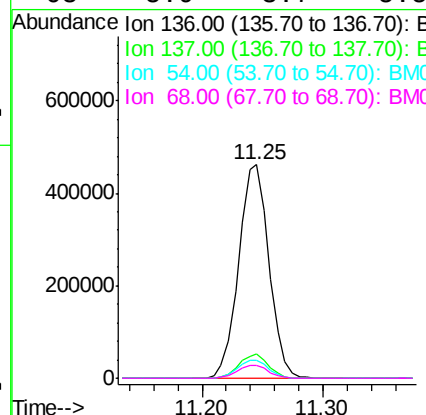
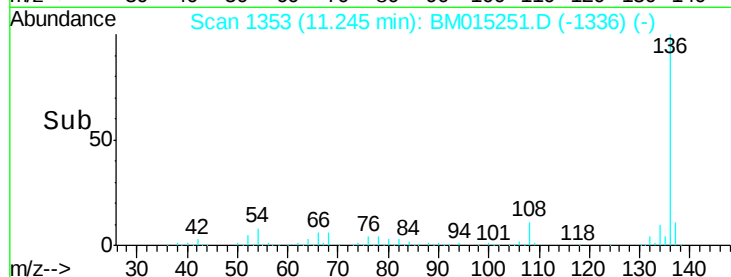
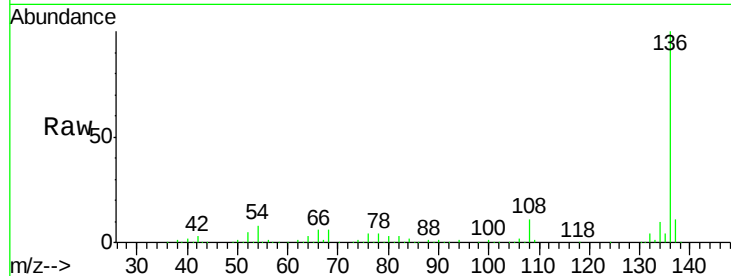
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.25 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	805784		
137	11.2	8.7	13.1	
54	8.5	4.6	6.8#	
68	5.9	3.7	5.5#	

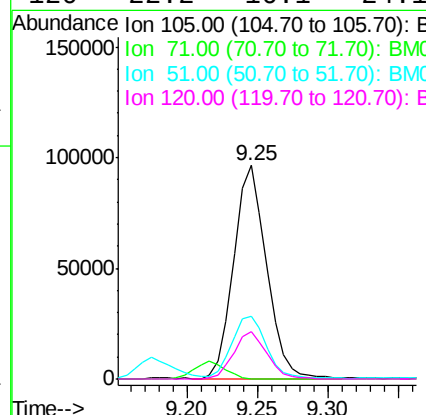
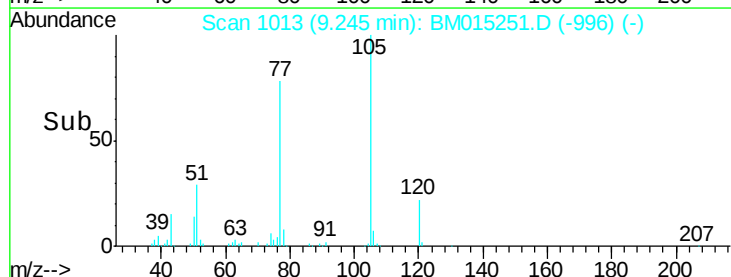
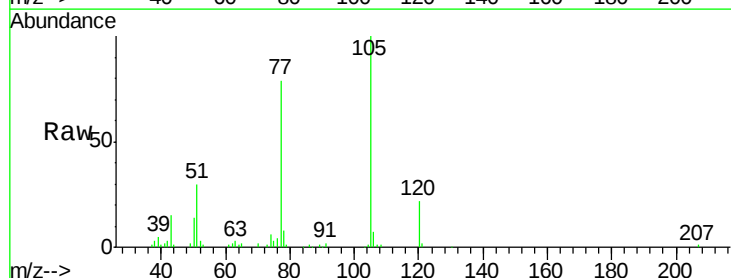
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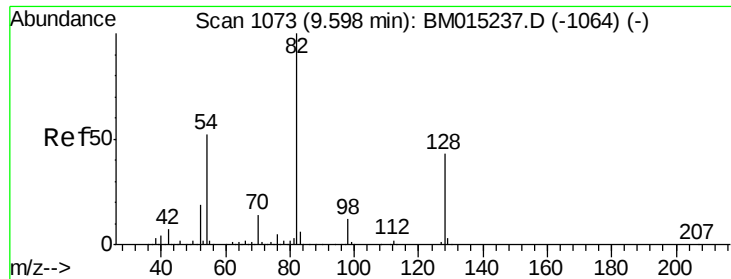
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#22
Acetophenone
Concen: 8.131 ng
RT: 9.25 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	157176		
71	0.0	0.6	1.0#	
51	29.7	21.6	32.4	
120	22.2	16.1	24.1	





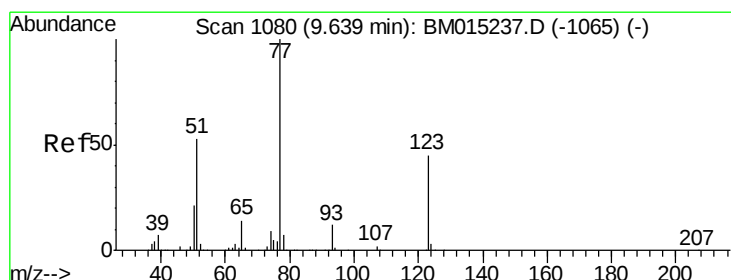
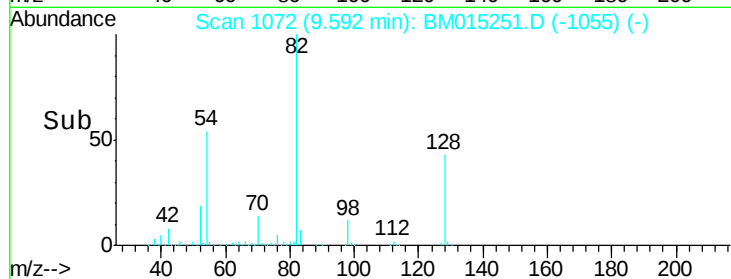
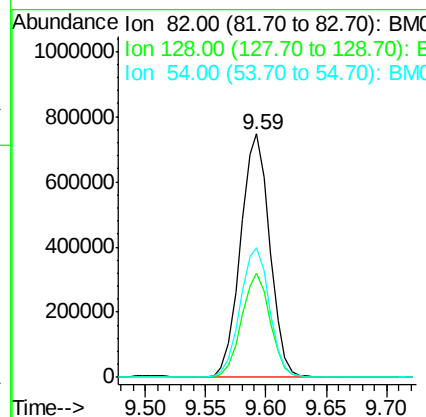
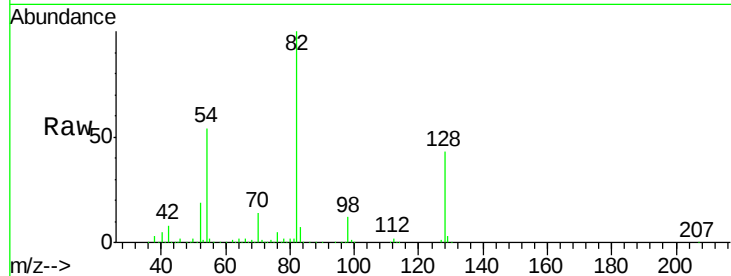
#23
 Nitrobenzene-d5
 Concen: 85.927 ng
 RT: 9.59 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.8	32.8	49.2
54	53.5	40.6	60.8

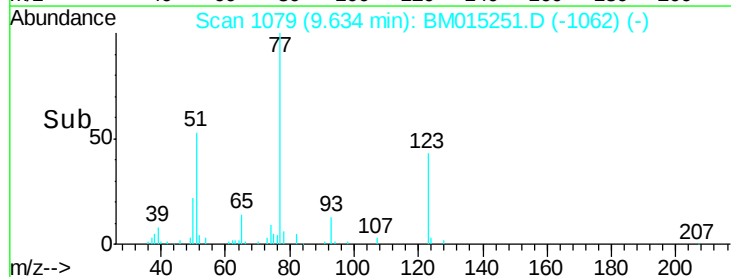
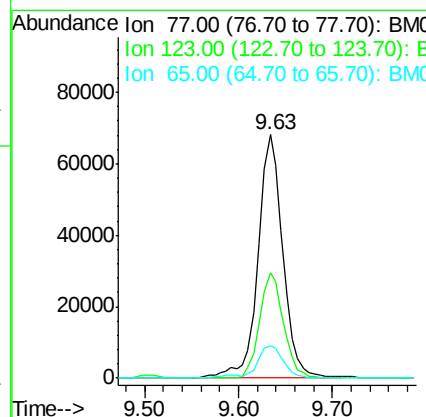
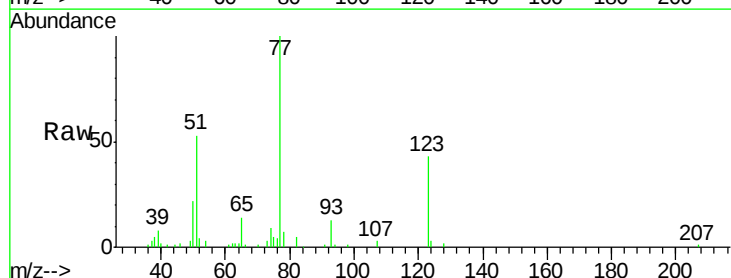
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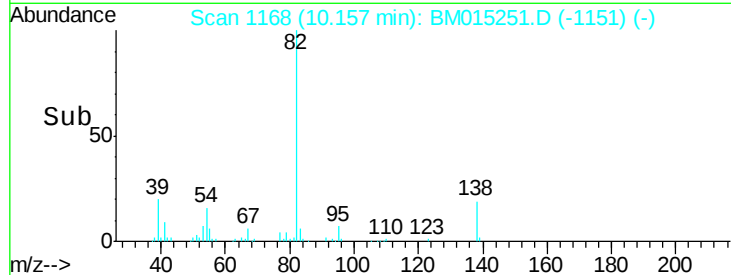
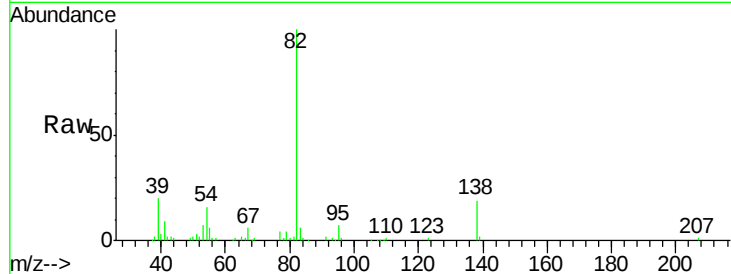
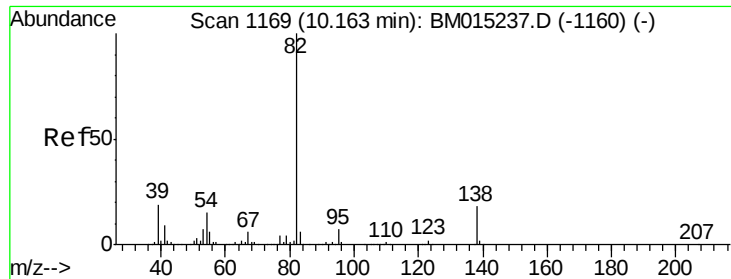
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#24
 Nitrobenzene
 Concen: 8.163 ng
 RT: 9.63 min Scan# 1079
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.4	32.6	49.0
65	13.6	10.9	16.3





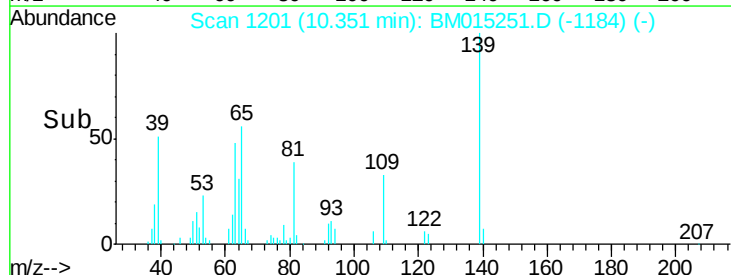
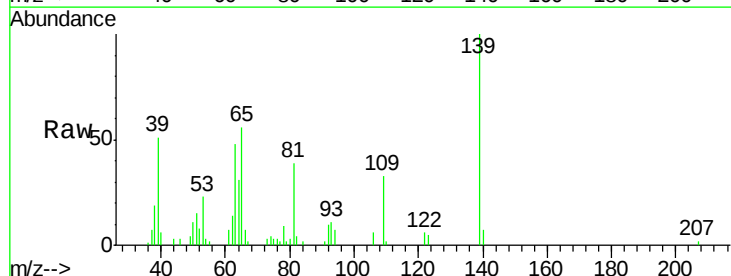
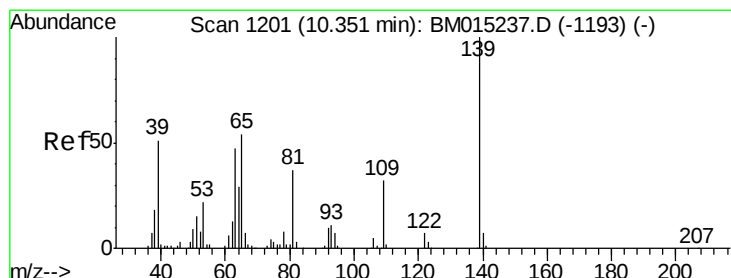
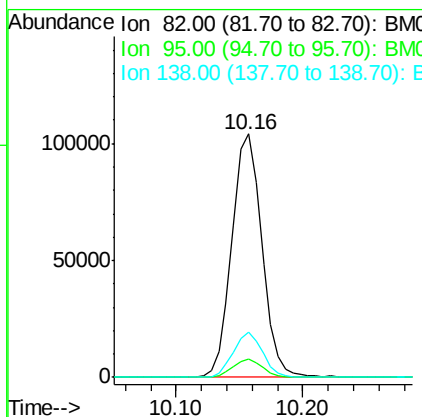
#25
Isophorone
Concen: 6.772 ng
RT: 10.16 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	171095		
95	7.4	5.8	8.6	
138	18.8	16.3	24.5	

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

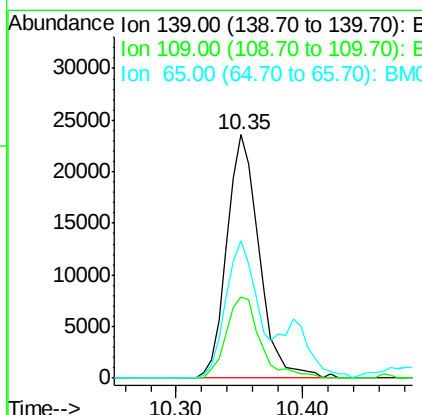
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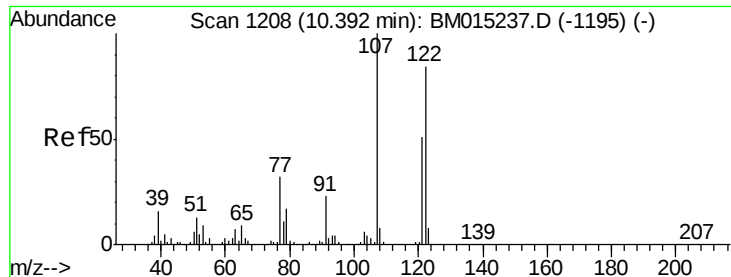
Sohil
5/23/2018 10:11:26 AM



#26
2-Nitrophenol
Concen: 6.027 ng
RT: 10.35 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	41414		
109	33.2	20.1	30.1#	
65	56.3	31.5	47.3#	





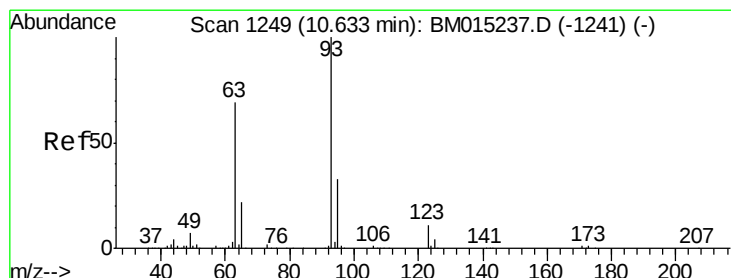
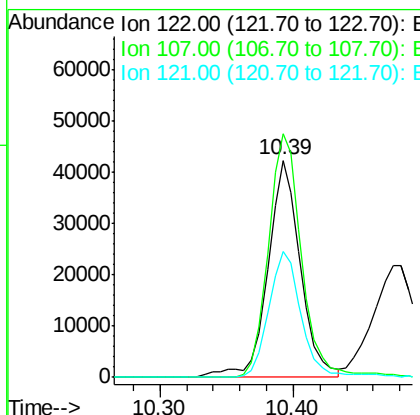
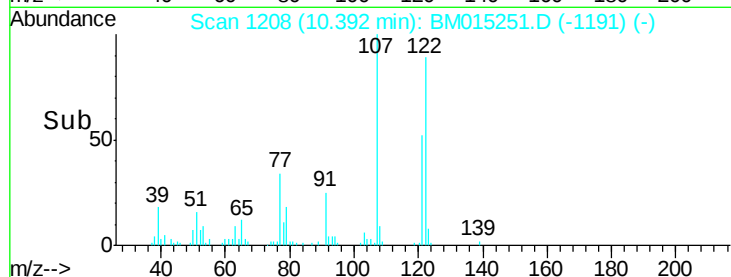
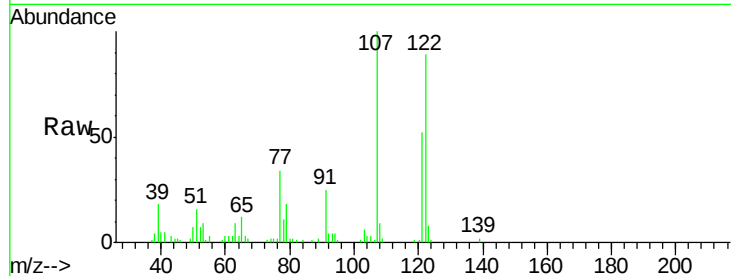
#27
2,4-Dimethylphenol
Concen: 5.748 ng
RT: 10.39 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.2	84.7	127.1
121	58.1	46.6	69.8

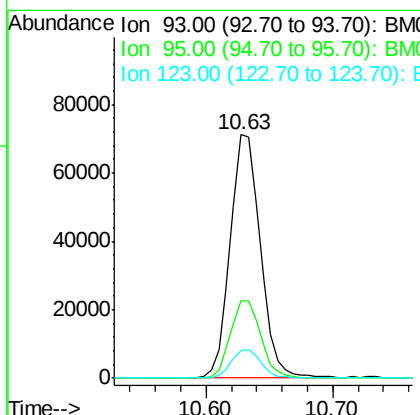
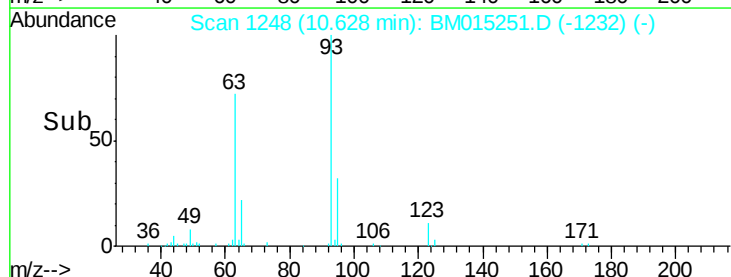
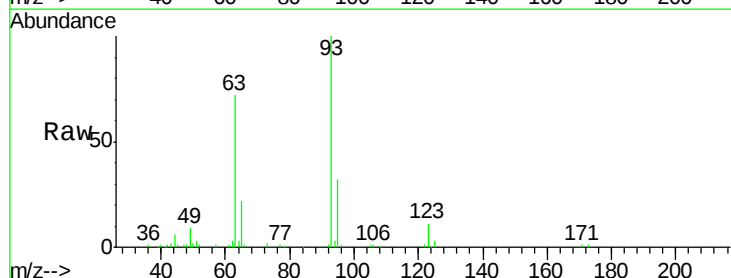
Manual Integrations
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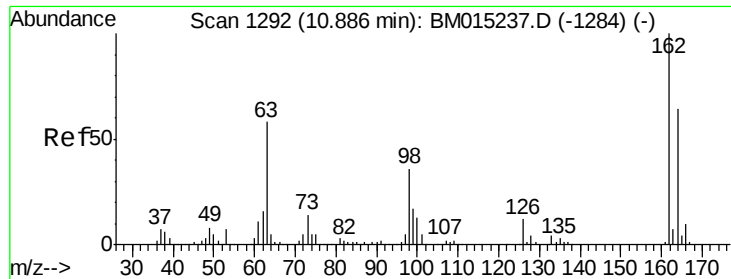
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 7.103 ng
RT: 10.63 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	11.0	8.6	13.0





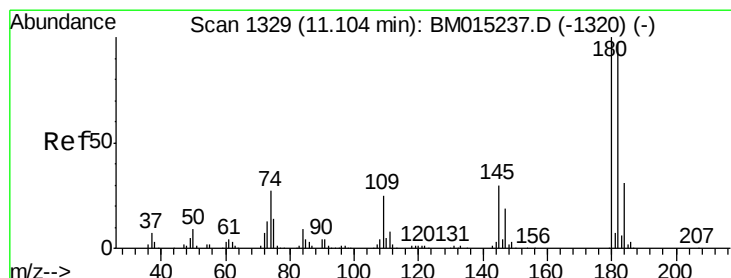
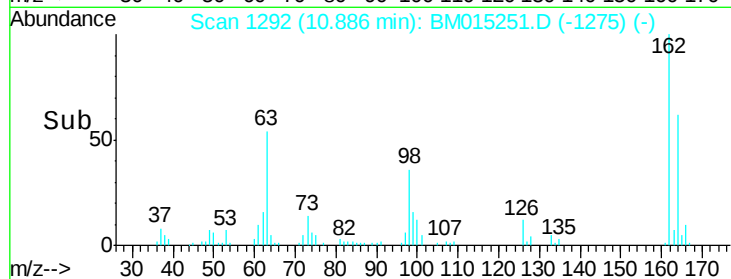
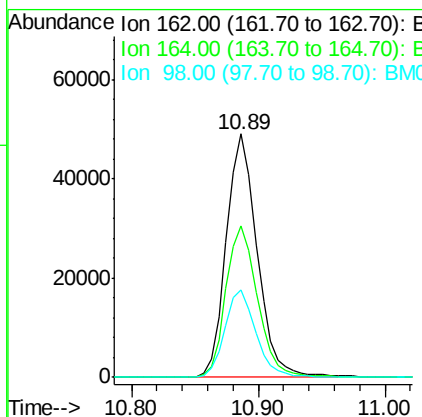
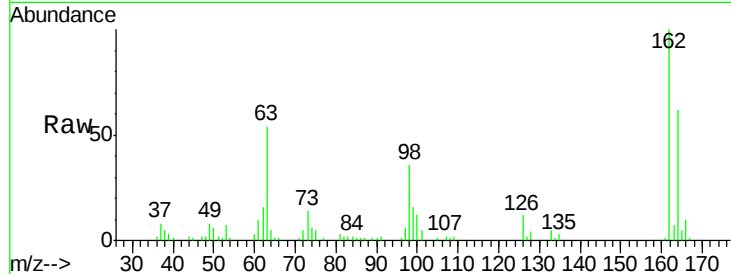
#29
2,4-Dichlorophenol
Concen: 7.023 ng
RT: 10.89 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	82883		
164	62.2	42.8	82.8	
98	35.8	14.5	54.5	

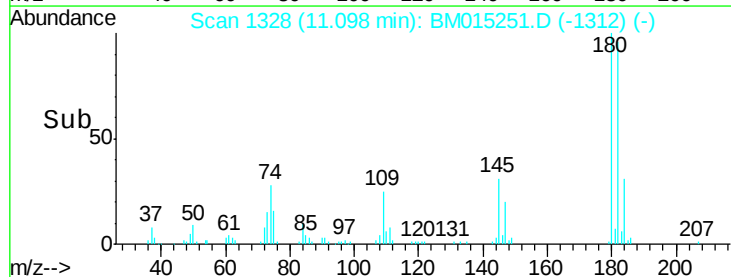
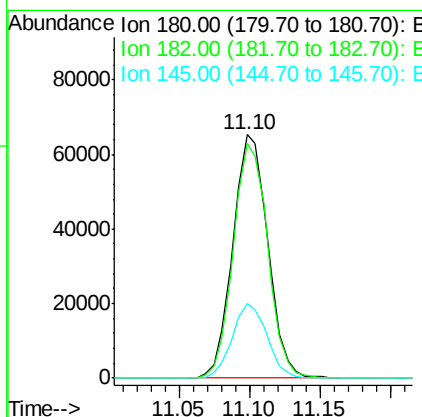
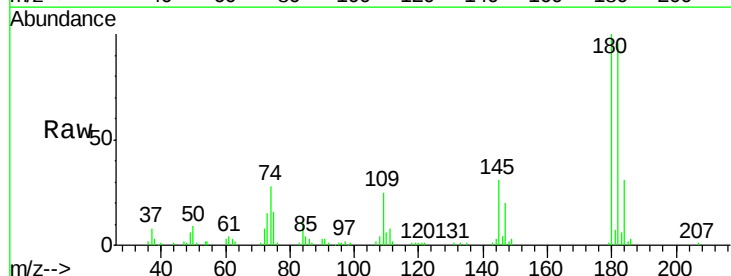
Manual Integrations
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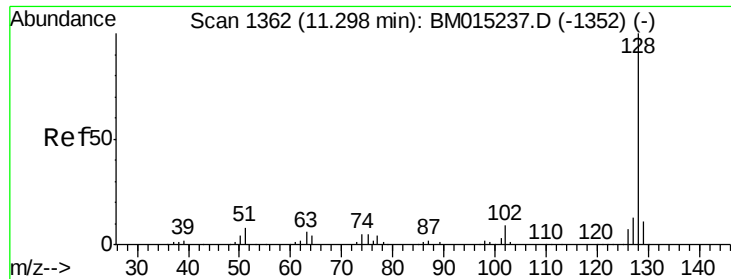
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#30
1,2,4-Trichlorobenzene
Concen: 8.097 ng
RT: 11.10 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	112576		
182	96.4	77.6	116.4	
145	30.9	23.4	35.2	





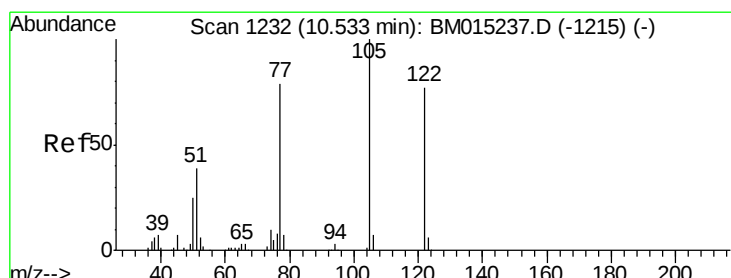
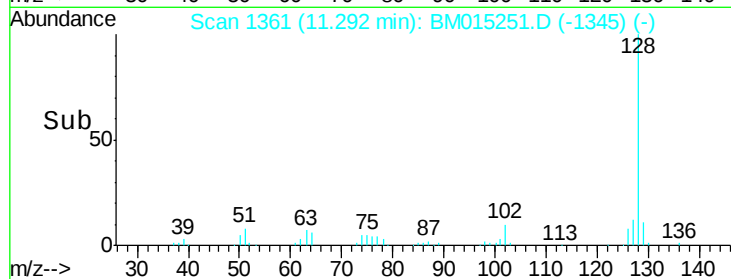
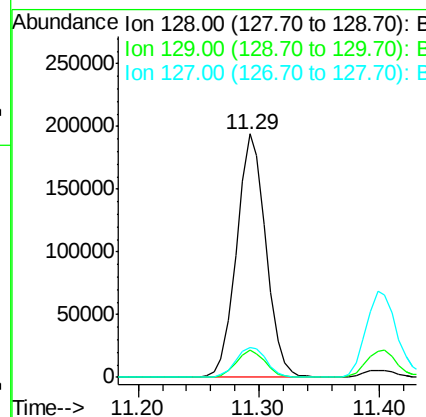
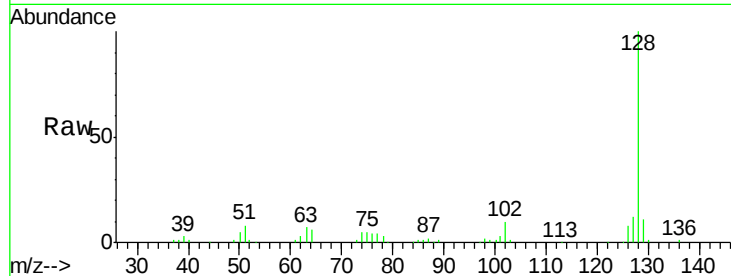
#31
Naphthalene
Concen: 7.833 ng
RT: 11.29 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	328079		
129	11.2	8.9	13.3	
127	12.4	10.4	15.6	

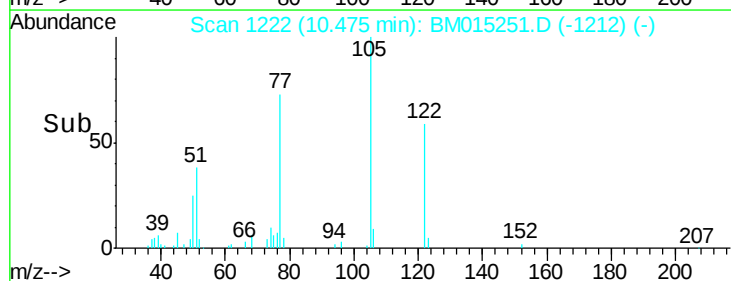
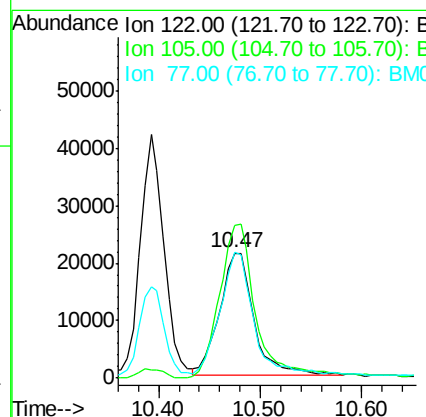
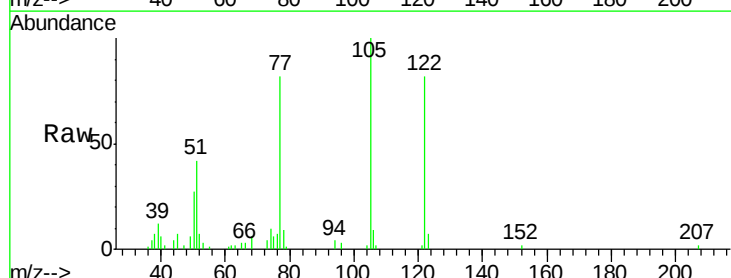
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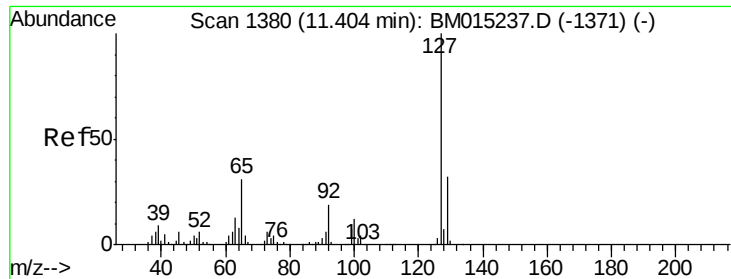
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#32
Benzoic acid
Concen: 6.864 ng
RT: 10.47 min Scan# 1222
Delta R.T. -0.04 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	49491		
105	122.3	99.9	139.9	
77	100.5	73.7	113.7	





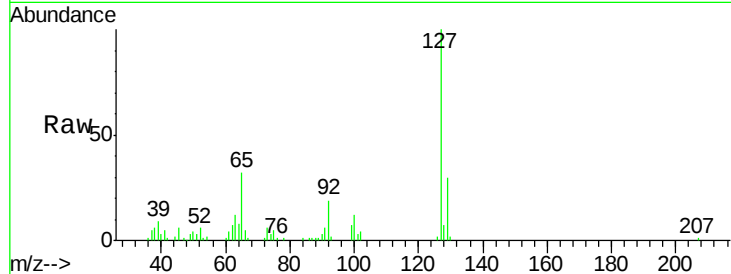
#33
4-Chloroaniline
Concen: 7.523 ng
RT: 11.40 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

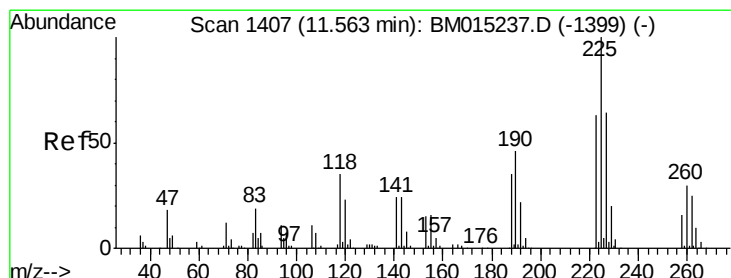
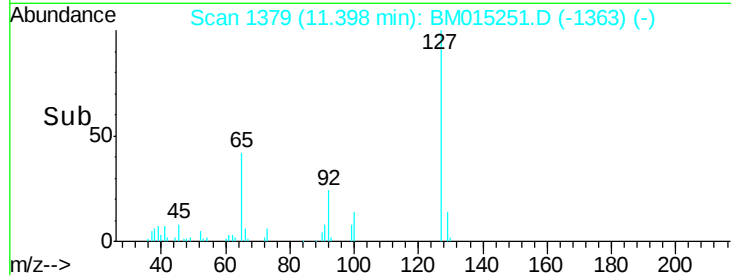
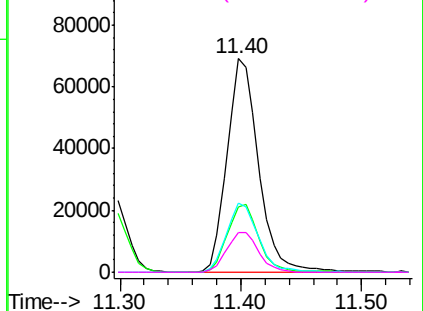
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	125733		
129	30.5	25.3	37.9	
65	32.3	17.6	26.4	
92	18.6	13.1	19.7	

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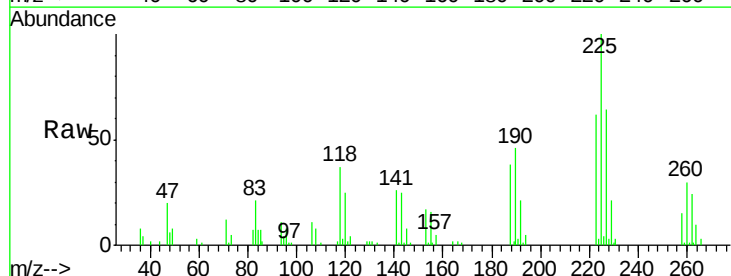


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

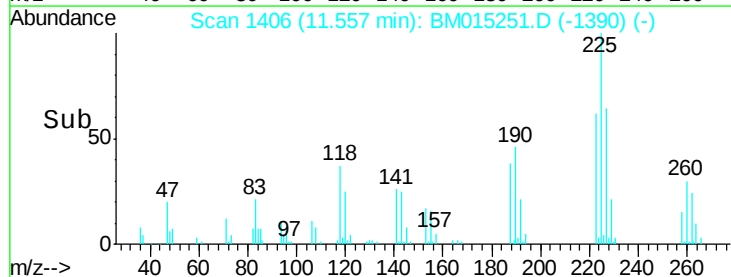
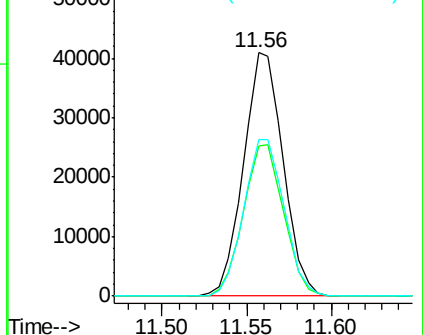


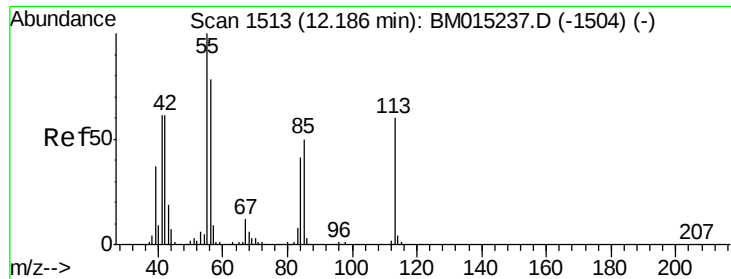
#34
Hexachlorobutadiene
Concen: 8.067 ng
RT: 11.56 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66700		
223	61.8	47.9	71.9	
227	64.1	50.1	75.1	



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





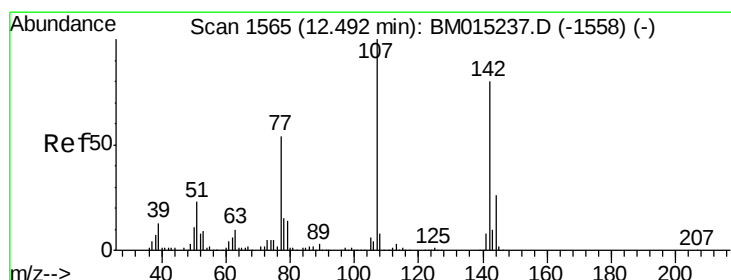
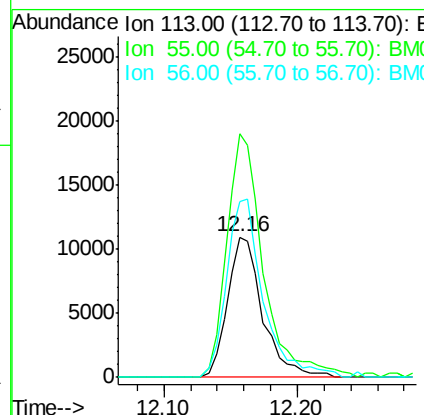
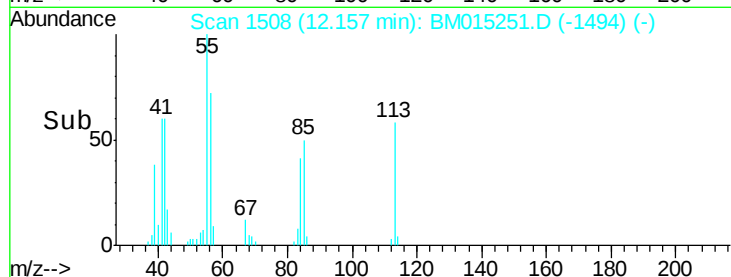
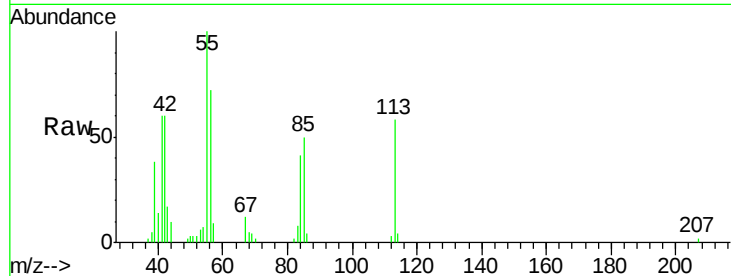
#35
 Caprolactam
 Concen: 6.030 ng
 RT: 12.16 min Scan# 1508
 Delta R.T. -0.02 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Lower	Upper
113	100		
55	173.4	145.9	185.9
56	125.1	101.0	141.0

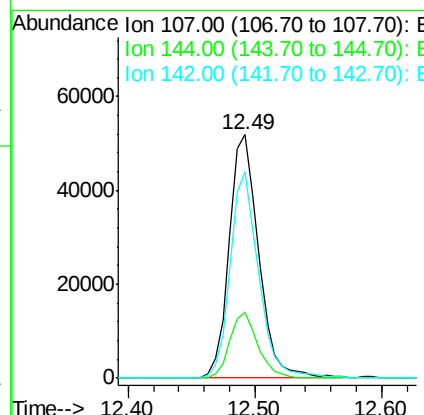
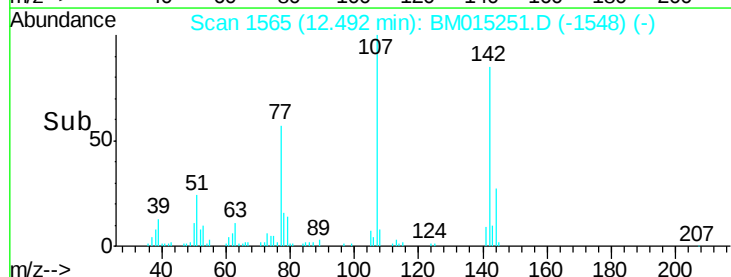
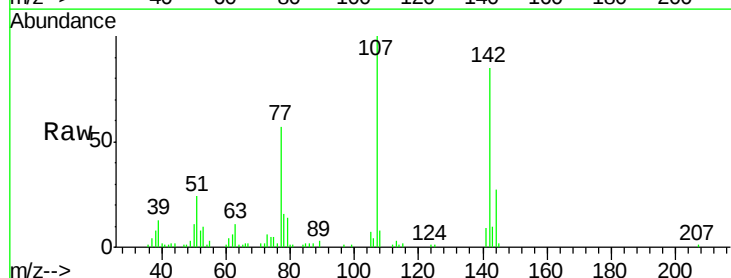
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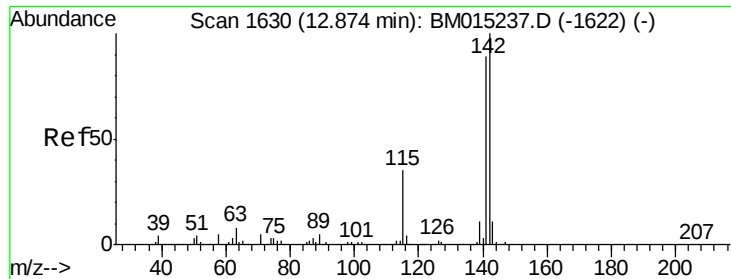
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#36
 4-Chloro-3-methylphenol
 Concen: 6.946 ng
 RT: 12.49 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.8	23.3	34.9
142	85.1	72.6	109.0





#37

2-Methylnaphthalene

Concen: 7.549 ng

RT: 12.87 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

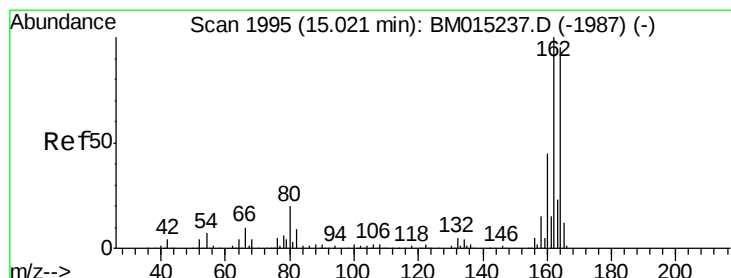
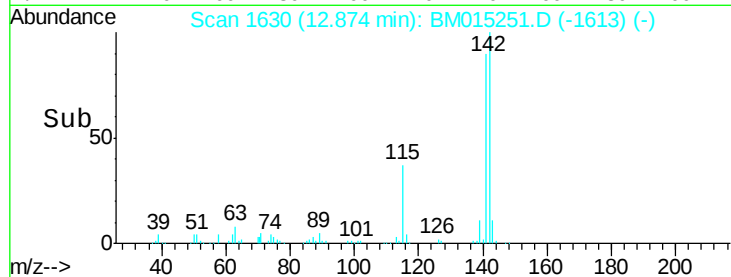
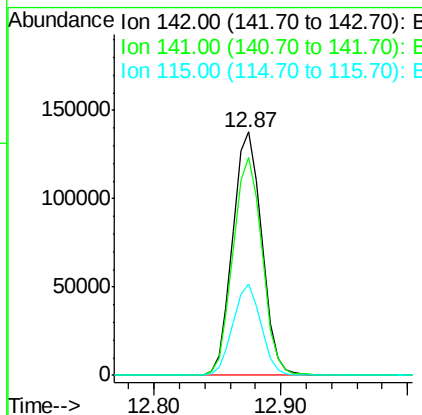
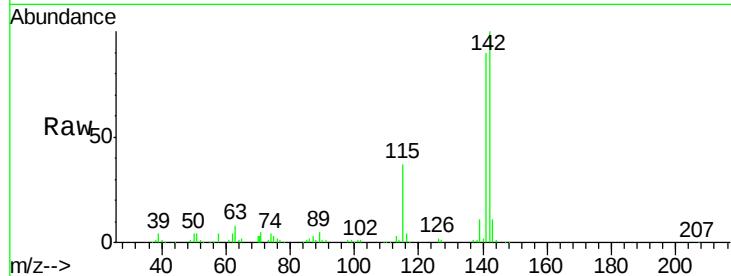
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	142	Resp:	219104
Ion Ratio		Lower	Upper
142	100		
141	89.6	71.9	107.9
115	37.4	25.4	38.0

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#38

Acenaphthene-d10

Concen: 20.000 ng

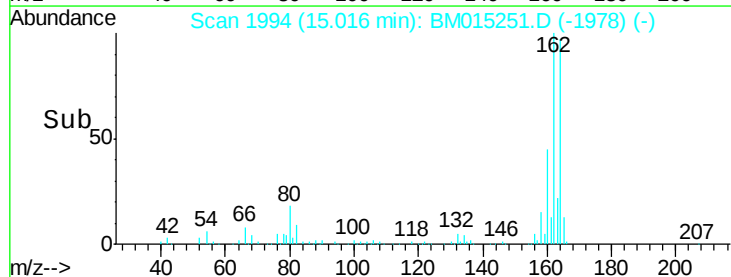
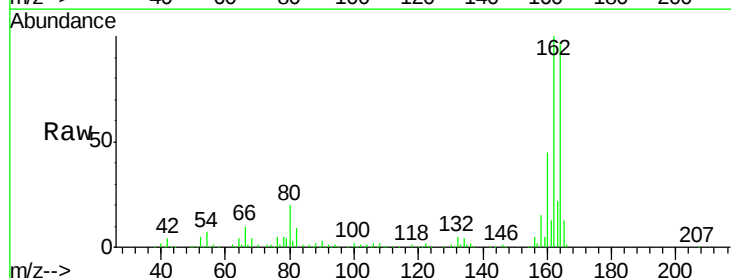
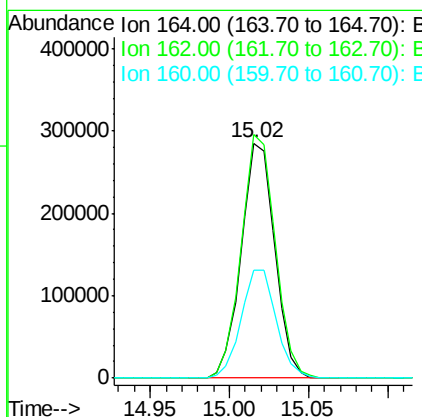
RT: 15.02 min Scan# 1994

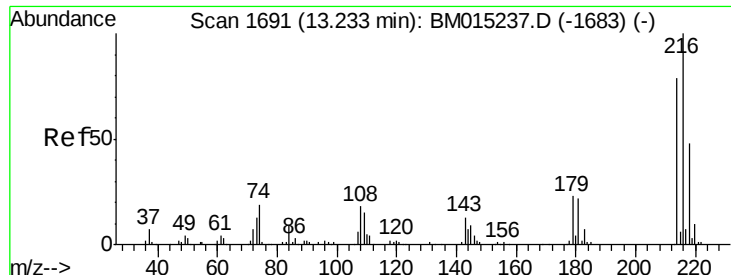
Delta R.T. -0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	164	Resp:	418414
Ion Ratio		Lower	Upper
164	100		
162	103.5	82.4	123.6
160	46.1	35.8	53.6





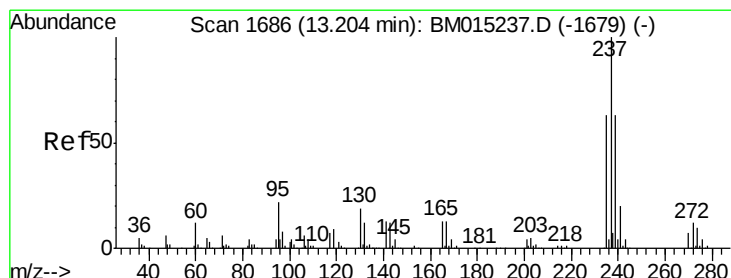
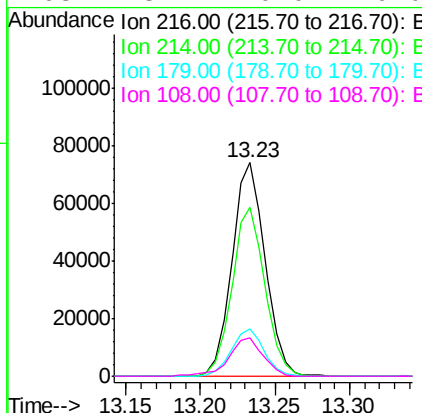
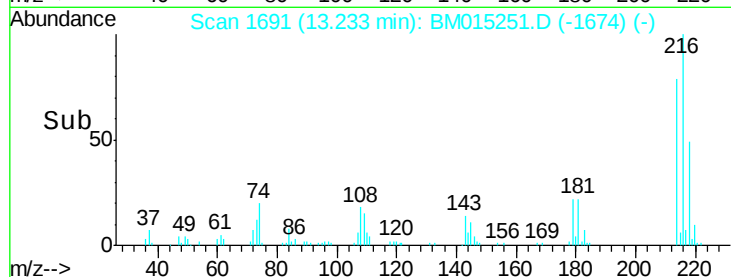
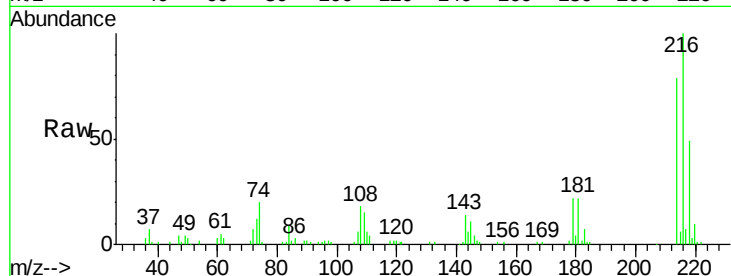
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 7.771 ng
 RT: 13.23 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	114524		
214	78.2	0.0	0.0	0.0
179	21.9	0.0	0.0	0.0
108	18.7	0.0	0.0	0.0

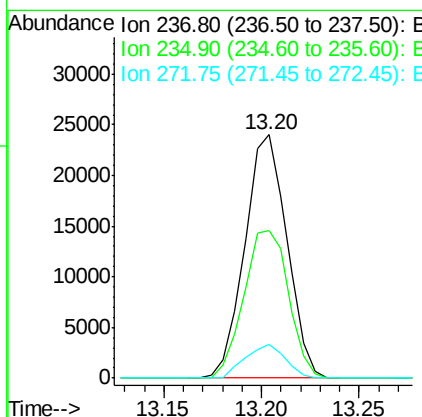
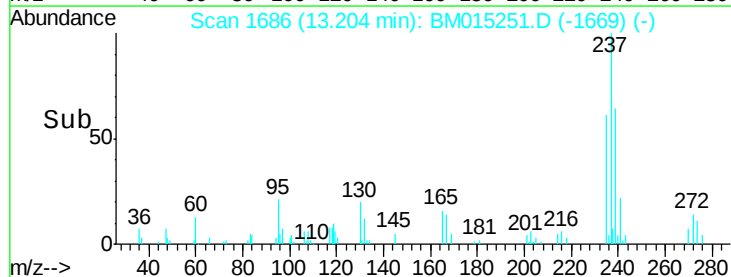
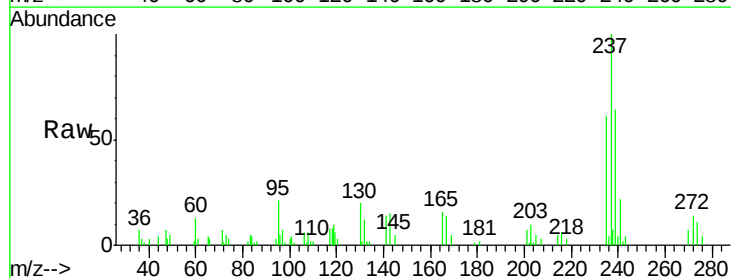
Manual Integrations
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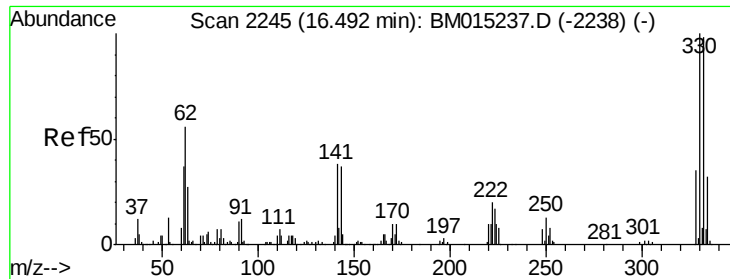
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#40
 Hexachlorocyclopentadiene
 Concen: 8.750 ng
 RT: 13.20 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	35866		
235	60.6	42.0	82.0	
272	13.8	0.0	33.4	





#41

2,4,6-Tribromophenol

Concen: 138.694 ng

RT: 16.49 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

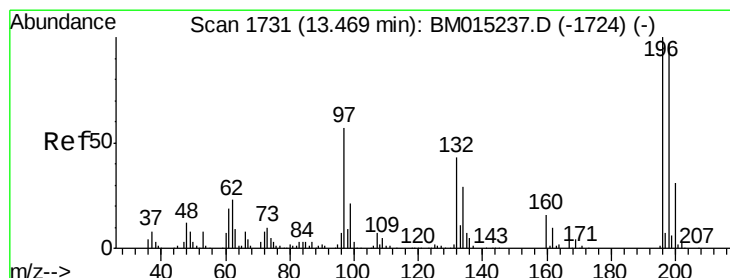
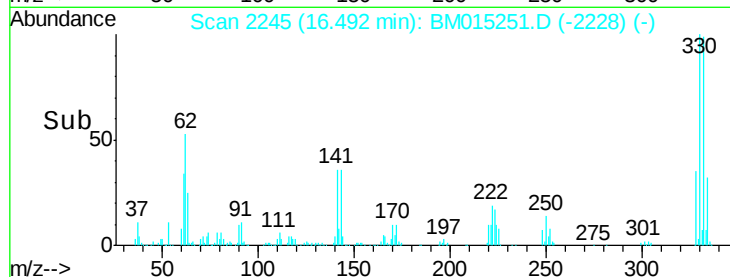
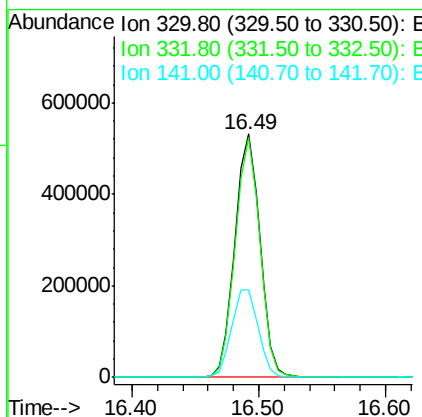
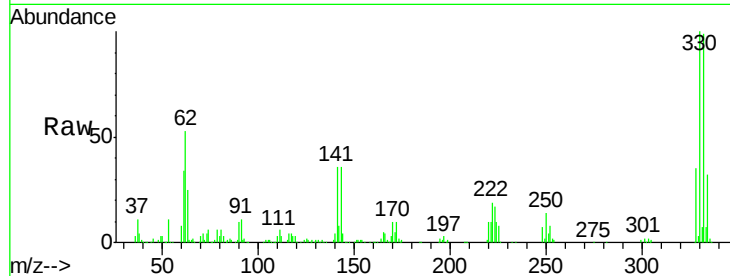
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	330	Resp:	727699
Ion Ratio	Lower	Upper	
330	100		
332	96.9	0.0	0.0#
141	38.2	0.0	0.0#

Manual Integrations
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#42

2,4,6-Trichlorophenol

Concen: 6.748 ng

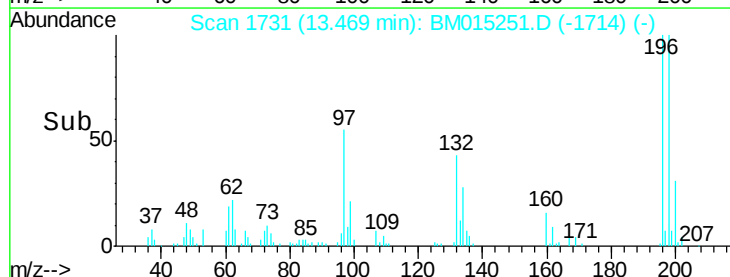
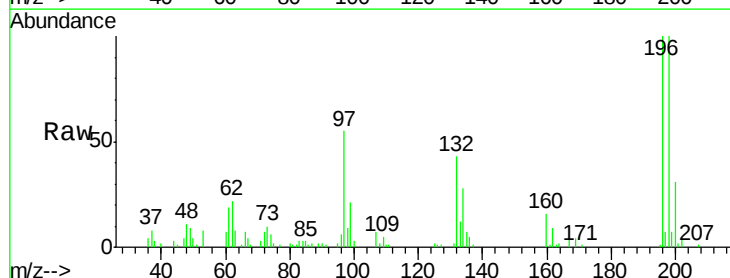
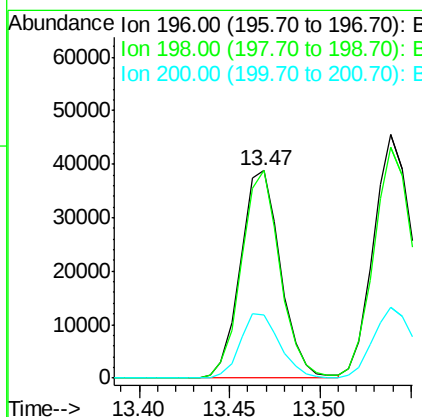
RT: 13.47 min Scan# 1731

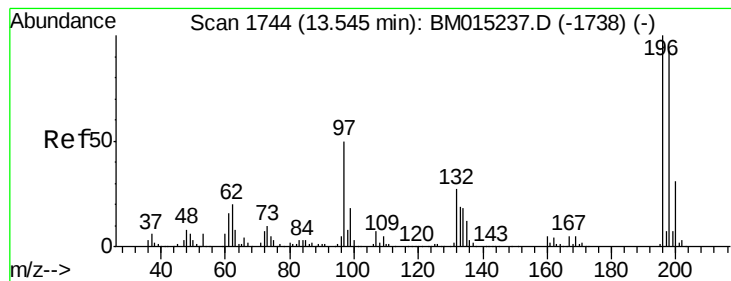
Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	196	Resp:	59765
Ion Ratio	Lower	Upper	
196	100		
198	99.9	76.3	114.5
200	30.5	25.6	38.4





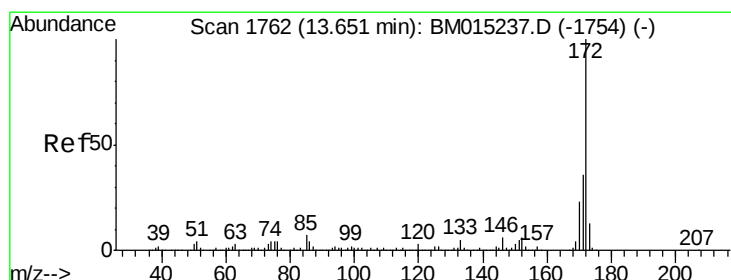
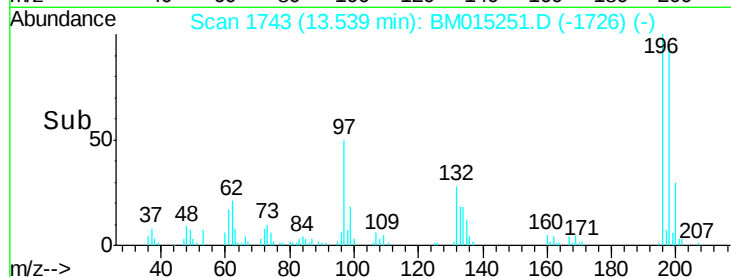
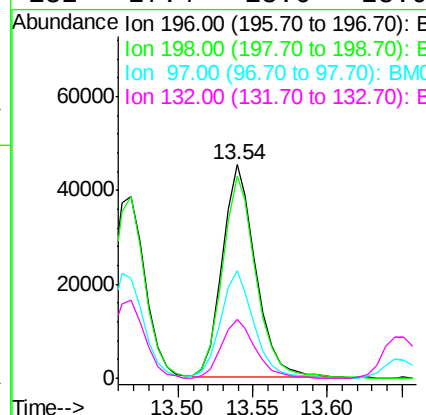
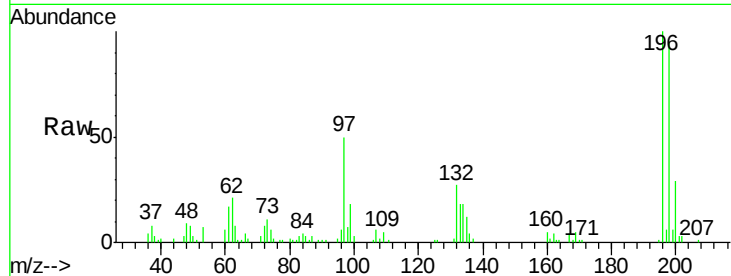
#43
 2,4,5-Trichlorophenol
 Concen: 7.349 ng
 RT: 13.54 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	70280		
198	94.8	79.4	119.0	
97	50.4	26.8	40.2	
132	27.4	18.6	28.0	

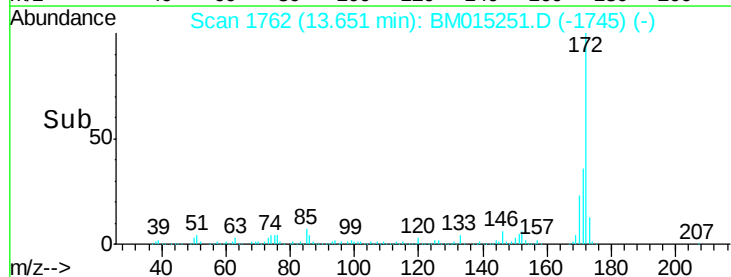
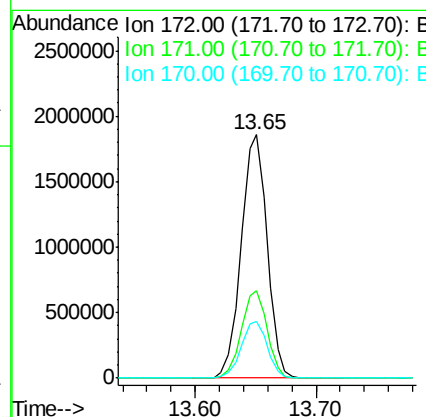
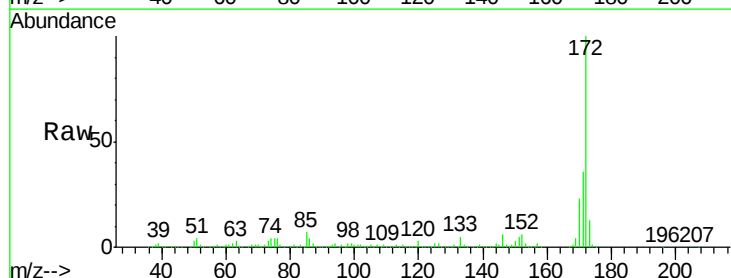
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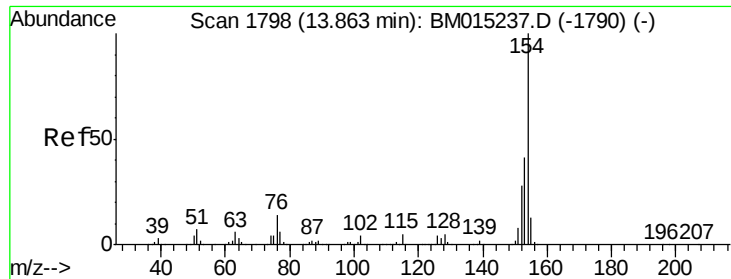
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 5/23/2018 10:11:26 AM



#44
 2-Fluorobiphenyl
 Concen: 82.431 ng
 RT: 13.65 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2774457		
171	35.8	28.5	42.7	
170	23.5	18.8	28.2	





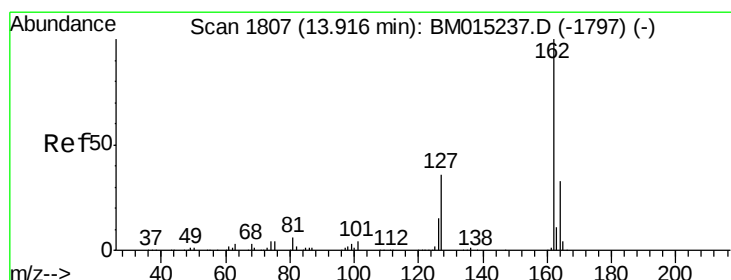
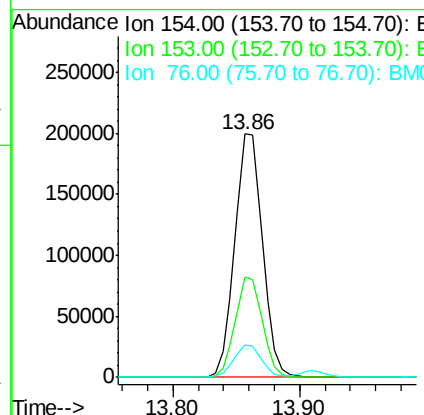
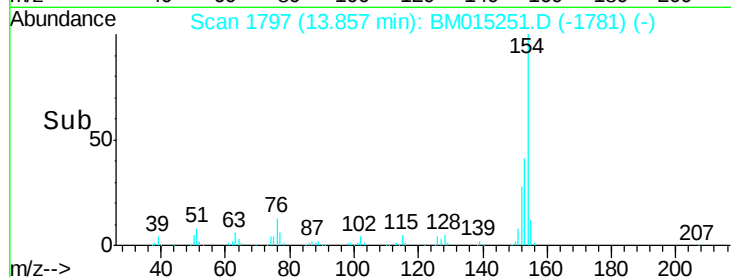
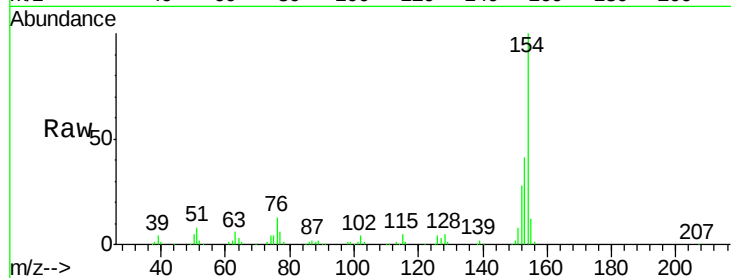
#45
 1,1'-Biphenyl
 Concen: 8.206 ng
 RT: 13.86 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	300399		
153	41.2	20.7	60.7	
76	13.4	0.0	30.9	

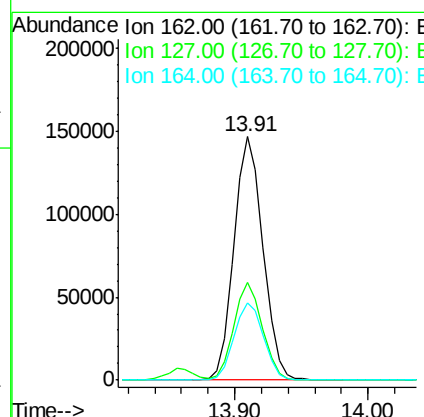
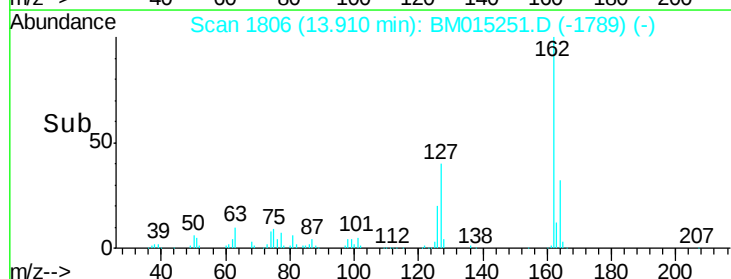
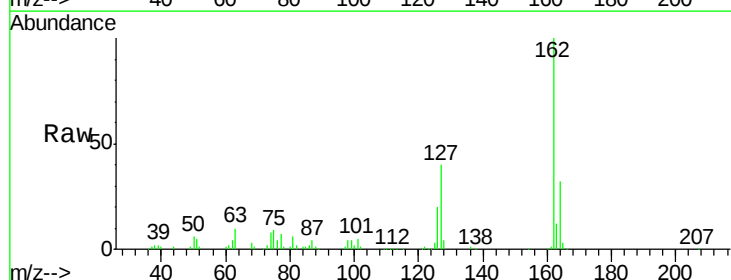
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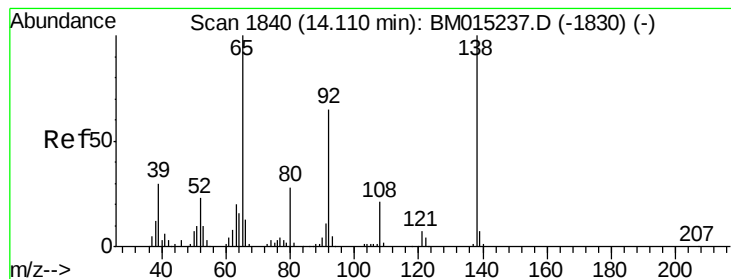
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#46
 2-Chloronaphthalene
 Concen: 7.916 ng
 RT: 13.91 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	223044		
127	40.3	26.9	40.3#	
164	31.7	26.8	40.2	





#47

2-Nitroaniline

Concen: 6.452 ng

RT: 14.11 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

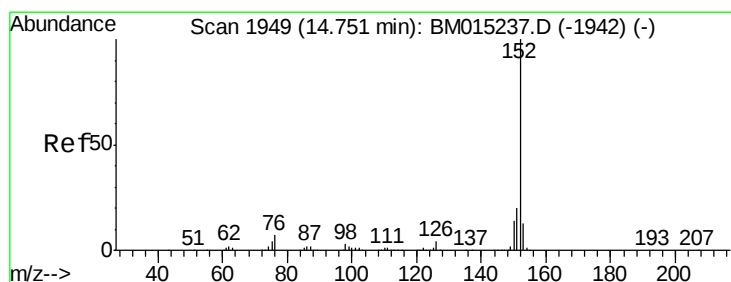
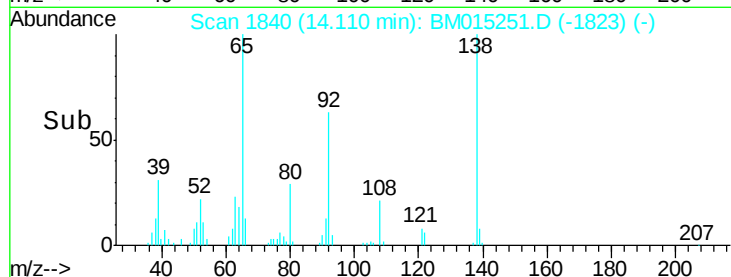
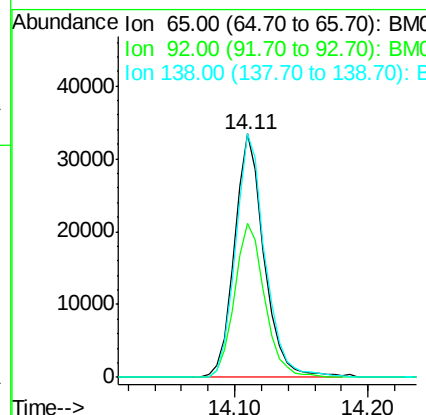
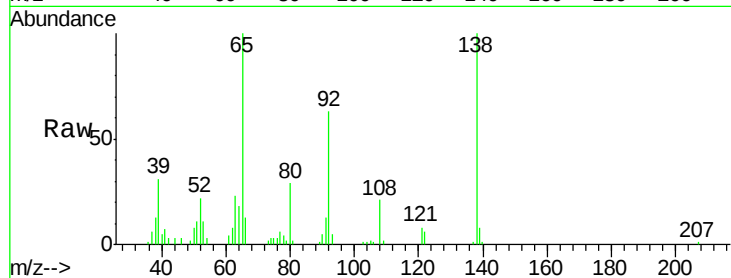
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	65	Resp:	51790
Ion Ratio	Lower	Upper	
65	100		
92	63.2	59.1	88.7
138	100.2	93.9	140.9

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#48

Acenaphthylene

Concen: 7.748 ng

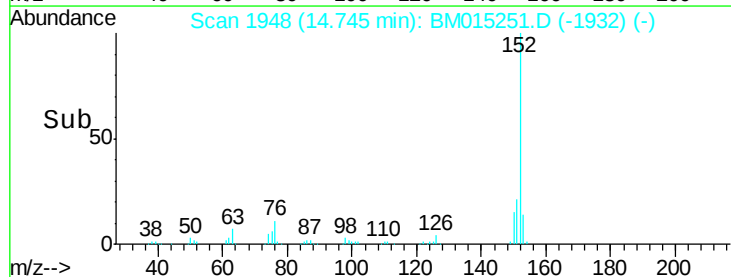
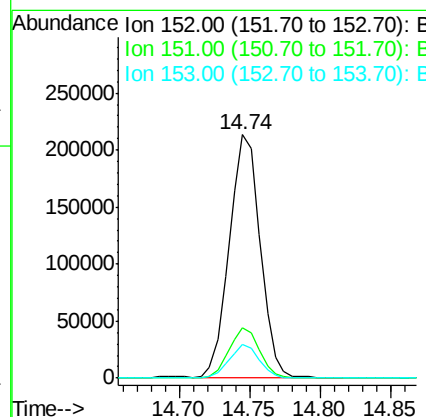
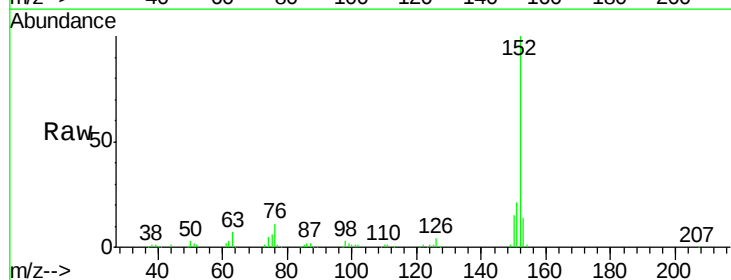
RT: 14.74 min Scan# 1948

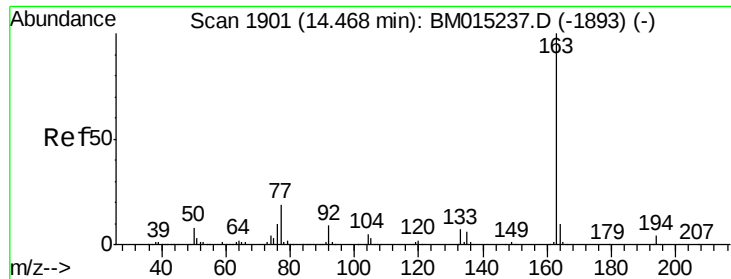
Delta R.T. -0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	152	Resp:	324266
Ion Ratio	Lower	Upper	
152	100		
151	20.7	15.9	23.9
153	13.8	10.6	16.0





#49

Dimethylphthalate

Concen: 7.961 ng

RT: 14.46 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

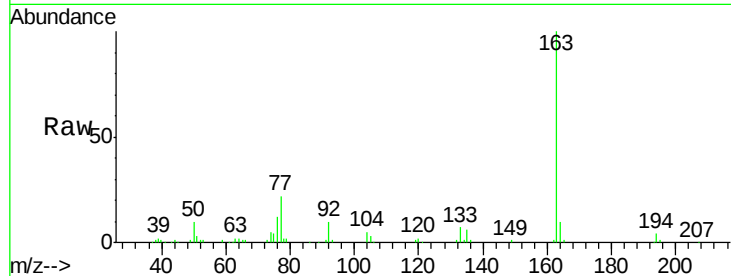
ClientSampleId :

MDL-SOIL-03-QT2-2018

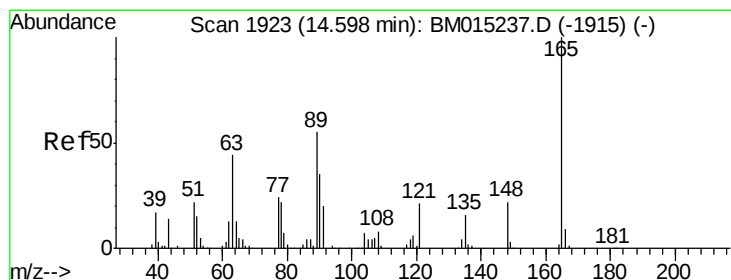
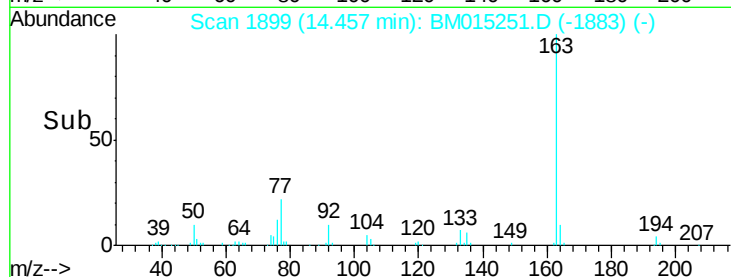
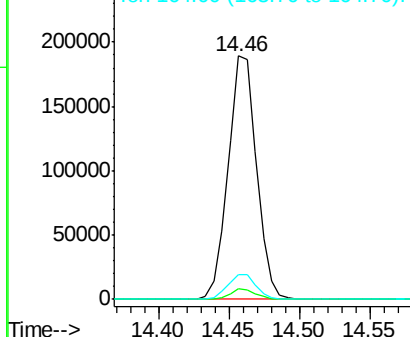
Tgt Ion:	163	Resp:	265833
Ion Ratio	Lower	Upper	
163	100		
194	4.2	2.7	4.1#
164	10.4	8.2	12.2

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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: 7.193 ng

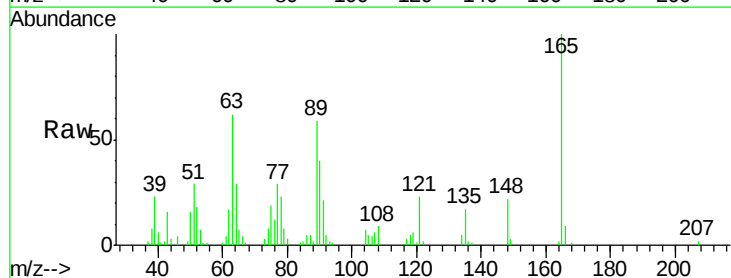
RT: 14.59 min Scan# 1922

Delta R.T. 0.00 min

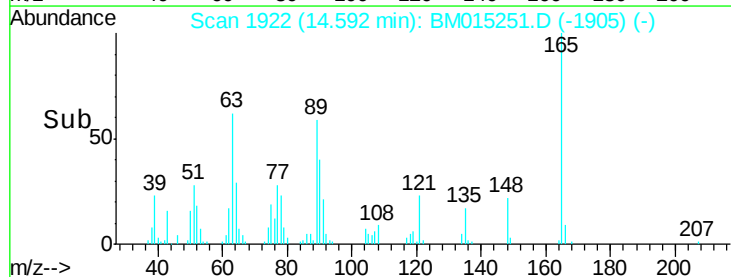
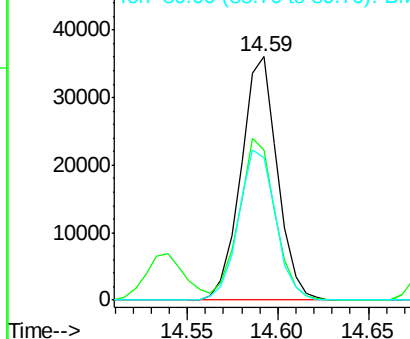
Lab File: BM015251.D

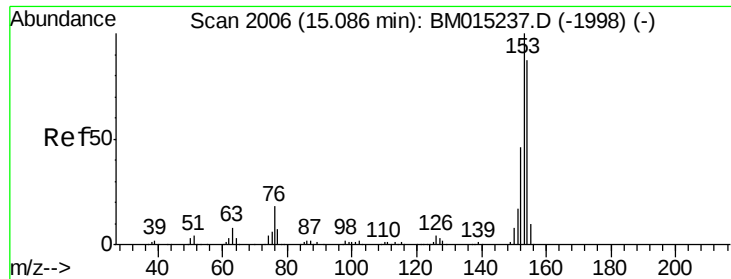
Acq: 22 May 2018 21:49

Tgt Ion:	165	Resp:	50113
Ion Ratio	Lower	Upper	
165	100		
63	61.9	44.1	66.1
89	58.8	44.3	66.5



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





#51

Acenaphthene

Concen: 8.119 ng

RT: 15.08 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

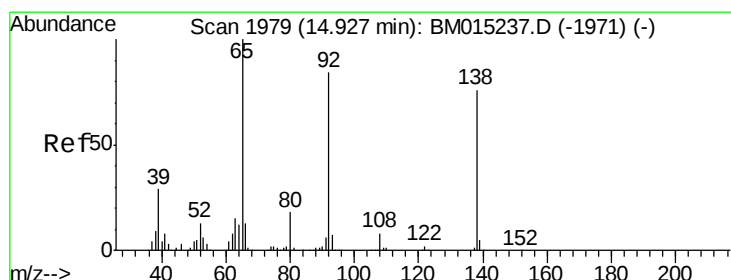
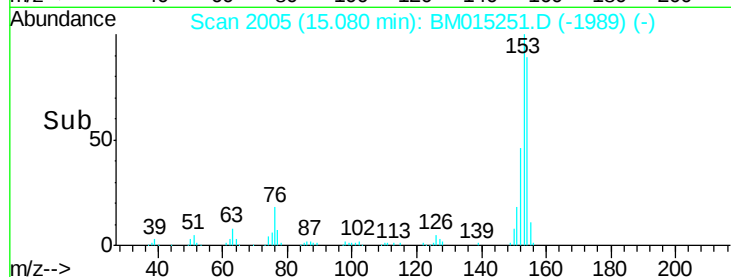
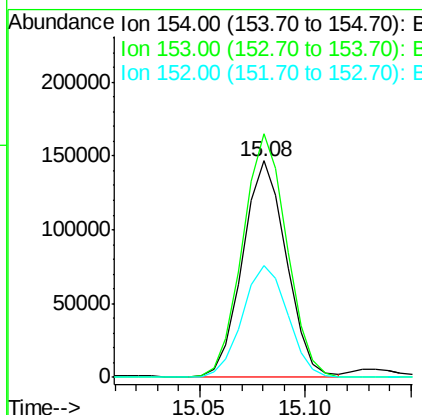
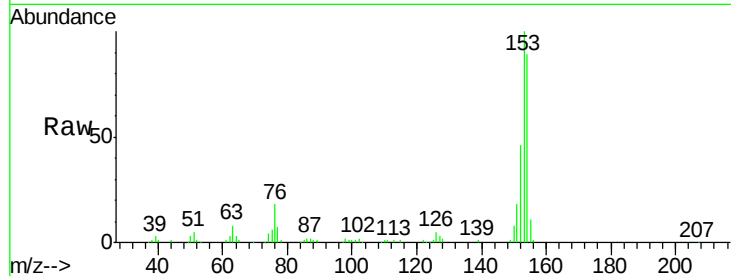
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:154 Resp: 211676
 Ion Ratio Lower Upper
 154 100
 153 112.6 90.0 135.0
 152 51.5 42.6 63.8

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#52

3-Nitroaniline

Concen: 6.600 ng

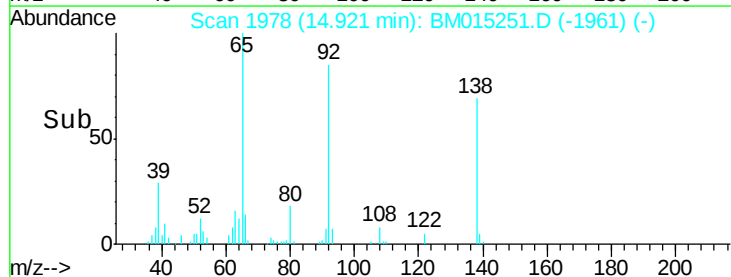
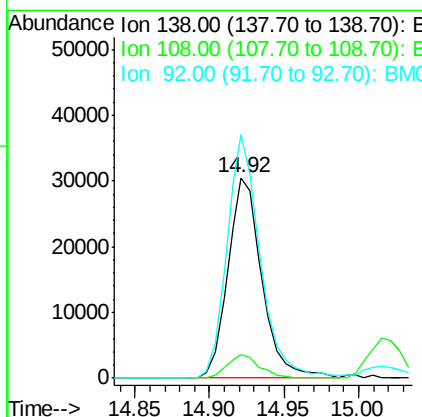
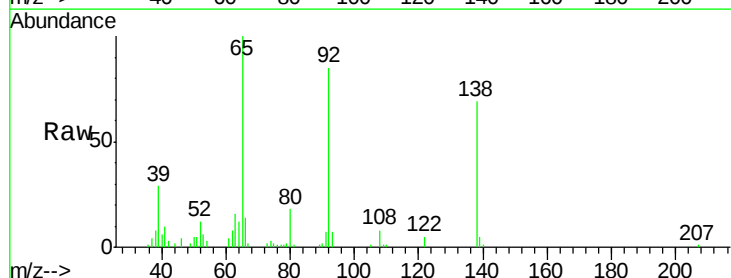
RT: 14.92 min Scan# 1978

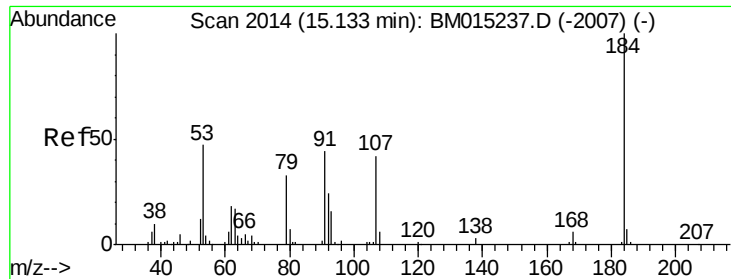
Delta R.T. 0.00 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:138 Resp: 48418
 Ion Ratio Lower Upper
 138 100
 108 11.8 7.3 10.9#
 92 121.7 76.6 114.8#





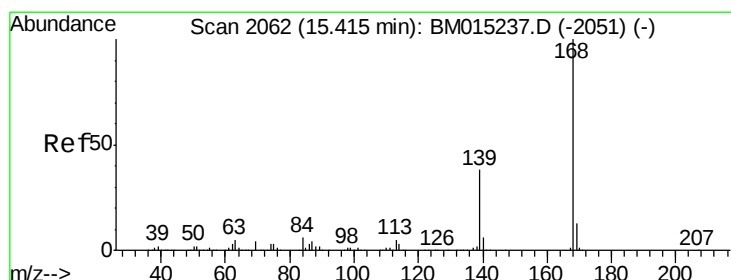
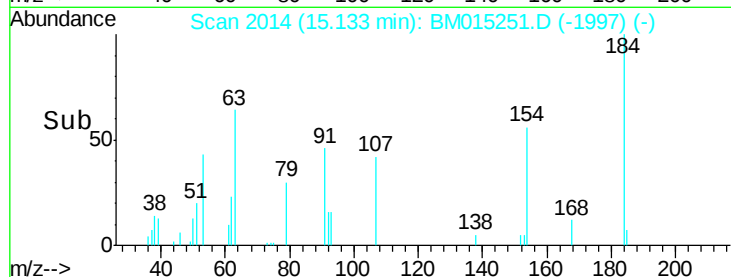
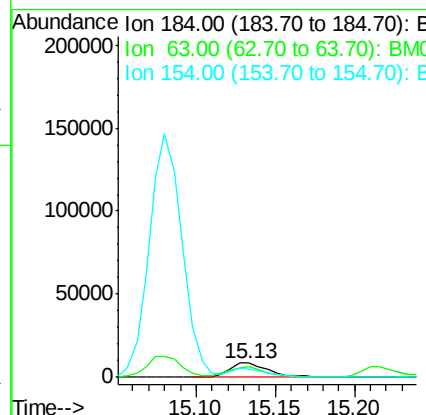
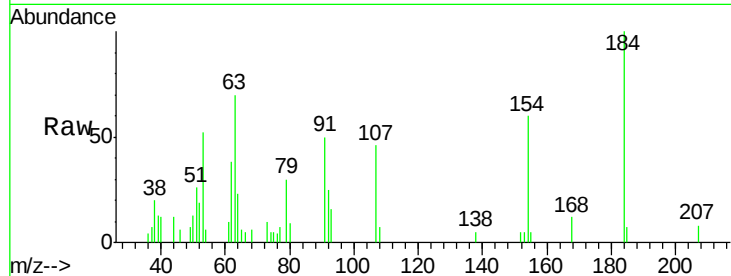
#53
2,4-Dinitrophenol
Concen: 9.833 ng
RT: 15.13 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	14908		
63	70.0	69.2	103.8	
154	60.1	53.3	79.9	

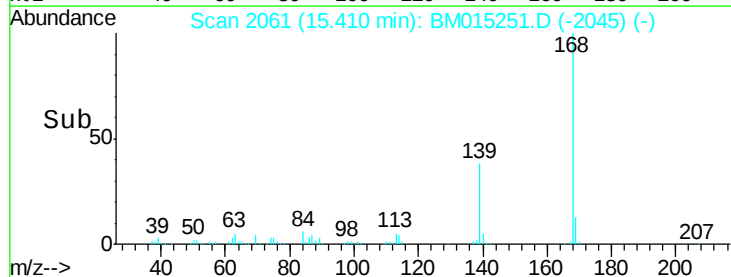
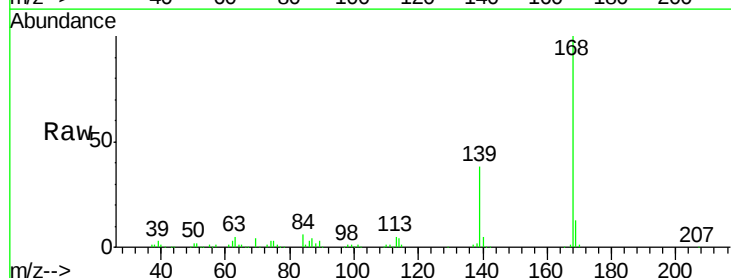
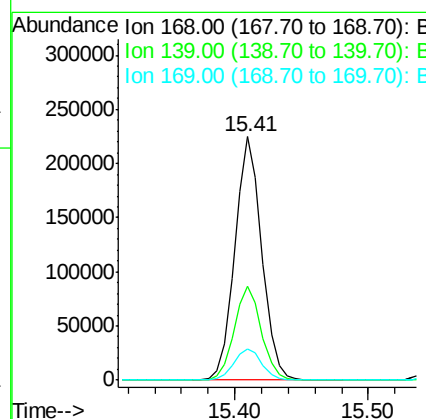
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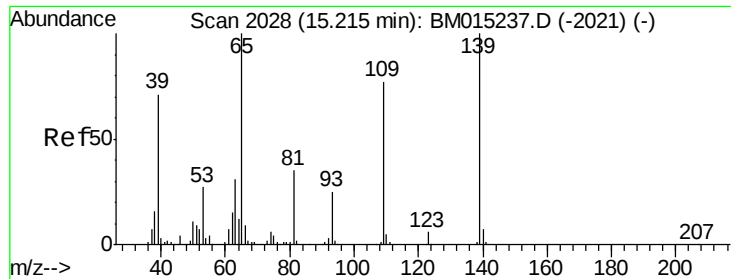
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#54
Dibenzofuran
Concen: 7.669 ng
RT: 15.41 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	315209		
139	38.5	27.3	40.9	
169	13.0	10.6	16.0	





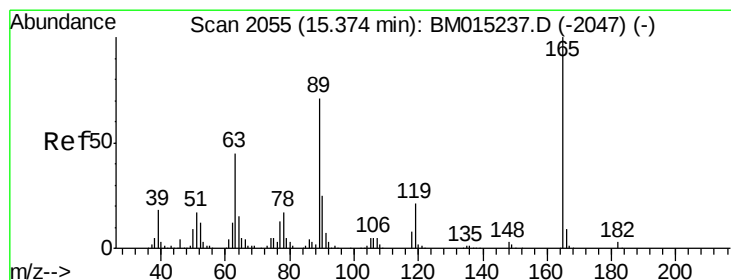
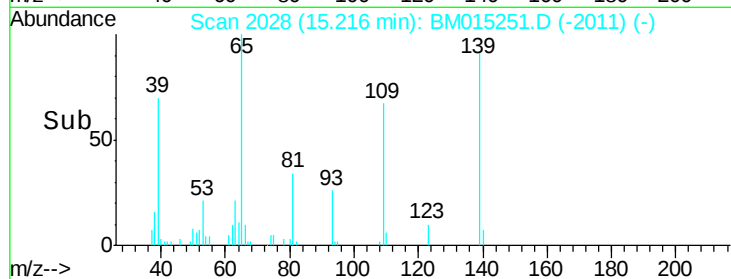
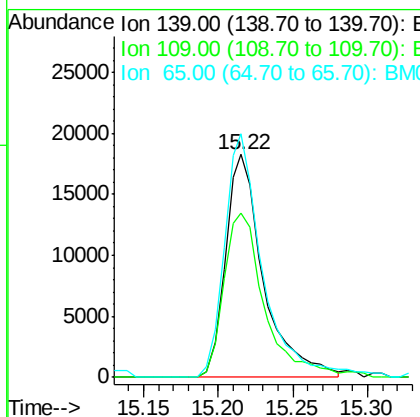
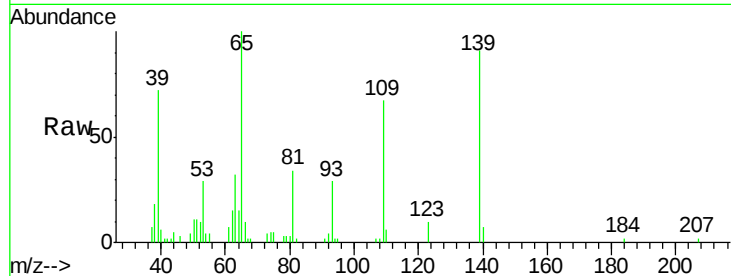
#55
4-Nitrophenol
Concen: 5.469 ng
RT: 15.22 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	32541		
109	73.7	130.0	170.0#	
65	109.3	130.0	170.0#	

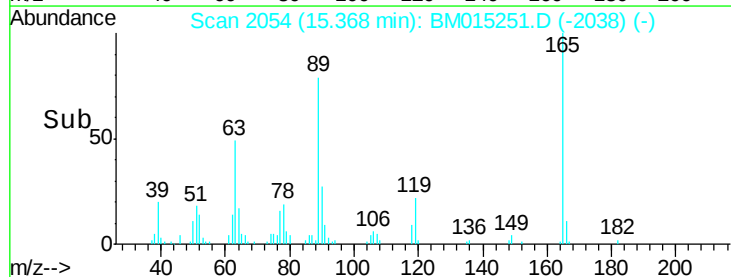
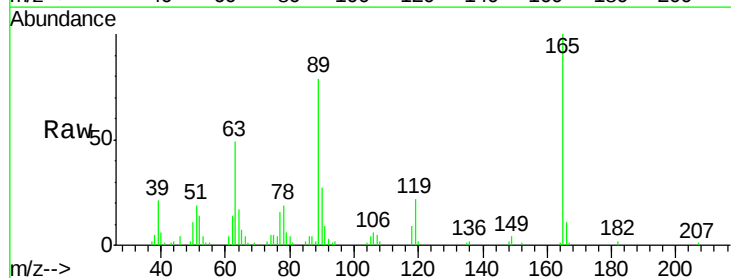
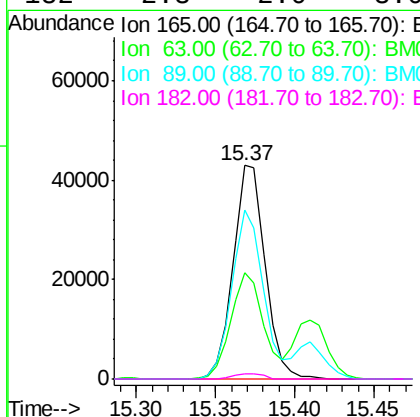
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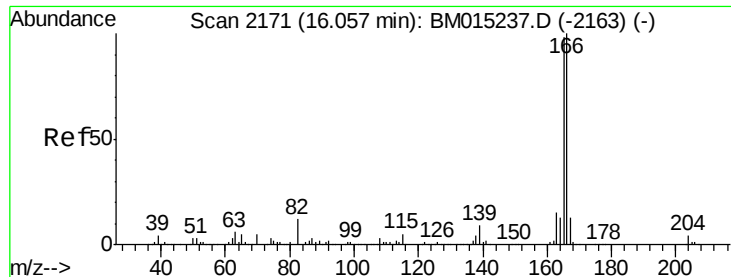
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#56
2,4-Dinitrotoluene
Concen: 6.303 ng
RT: 15.37 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	60127		
63	49.5	52.4	78.6#	
89	79.0	72.4	108.6	
182	2.3	2.0	3.0	





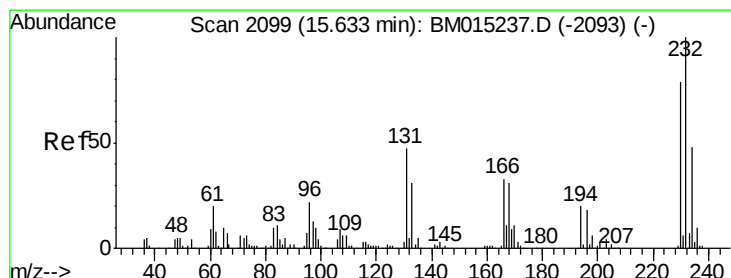
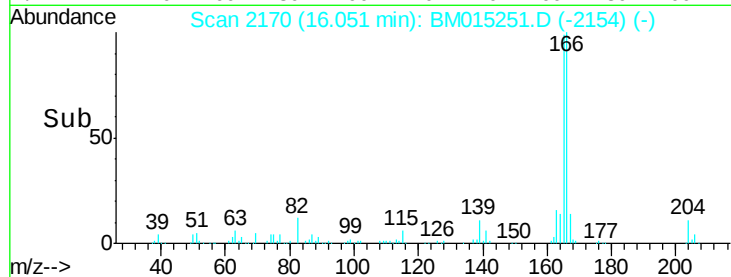
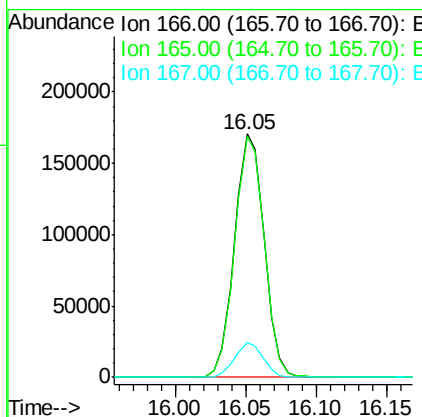
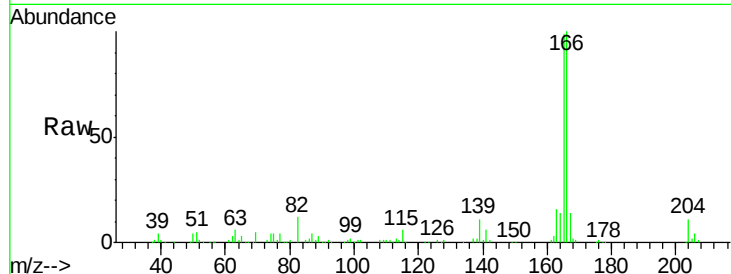
#57
 Fluorene
 Concen: 7.696 ng
 RT: 16.05 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	249991		
165	98.8	79.0	118.4	
167	14.3	10.3	15.5	

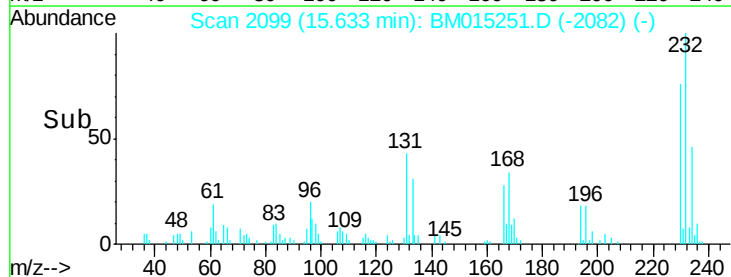
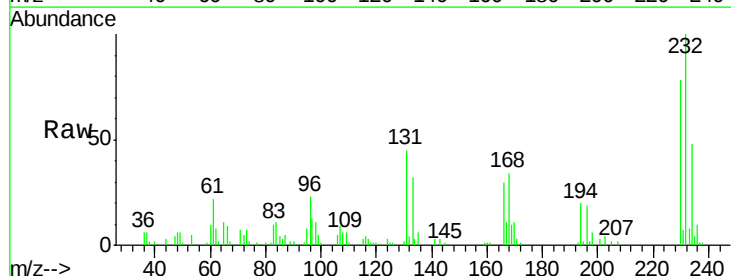
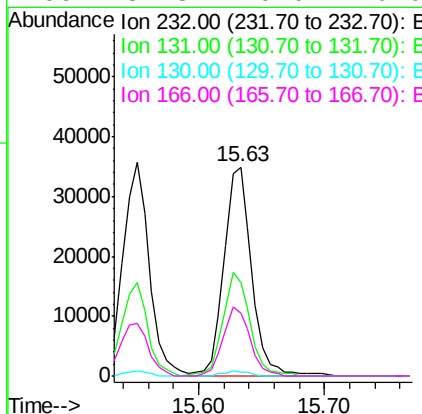
Manual Integrations
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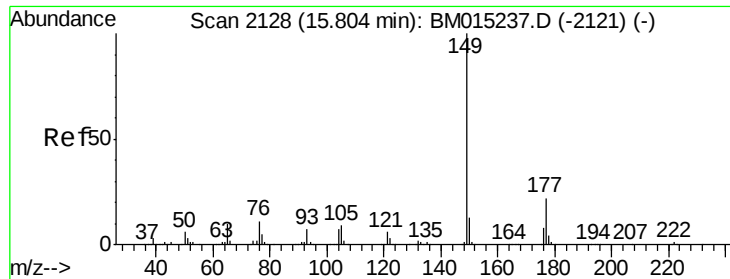
Sohil
 5/23/2018 10:11:26 AM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 6.556 ng m
 RT: 15.63 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	53765		
131	48.2	0.0	0.0#	
130	2.3	0.0	0.0#	
166	31.8	0.0	0.0#	





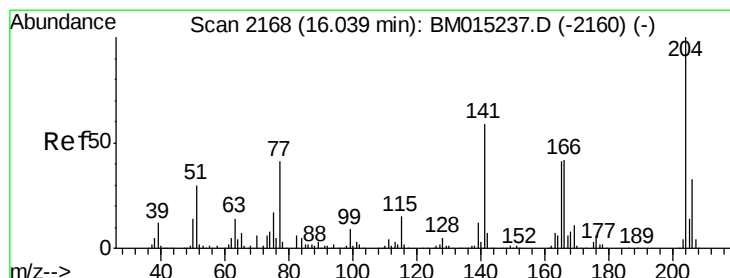
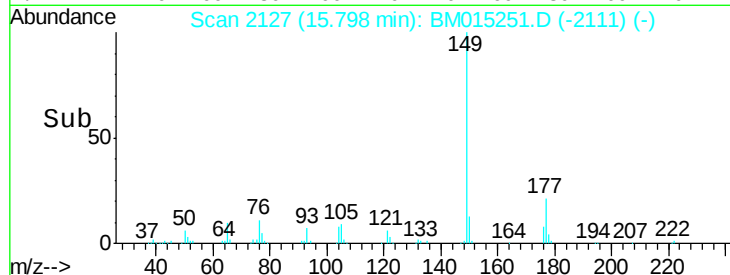
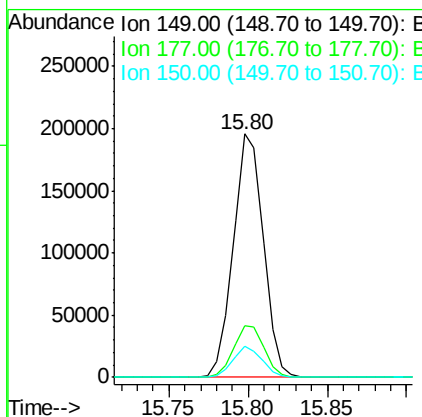
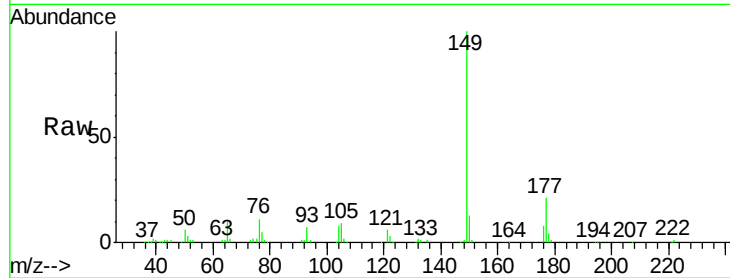
#59
Diethylphthalate
Concen: 7.797 ng
RT: 15.80 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	256649		
177	21.0	18.3	27.5	
150	12.9	9.8	14.8	

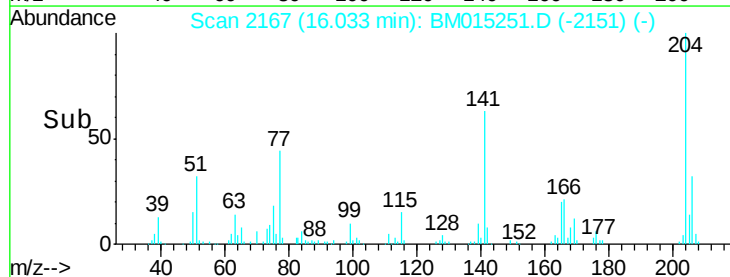
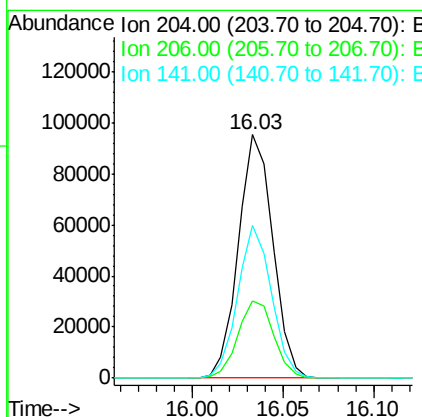
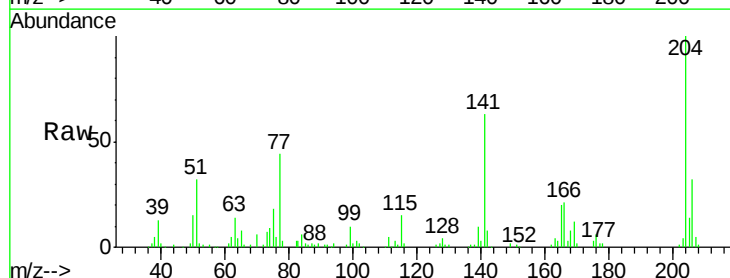
Manual Integrations
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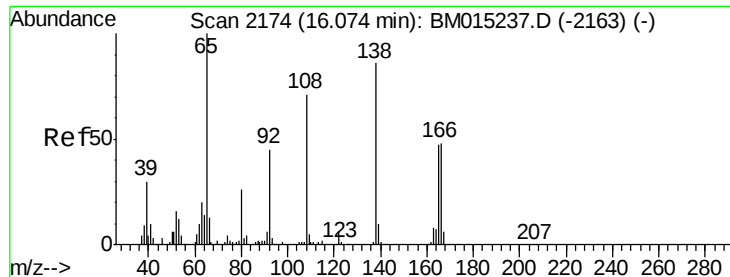
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 7.626 ng
RT: 16.03 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	126186		
206	31.9	26.6	39.8	
141	62.6	45.2	67.8	





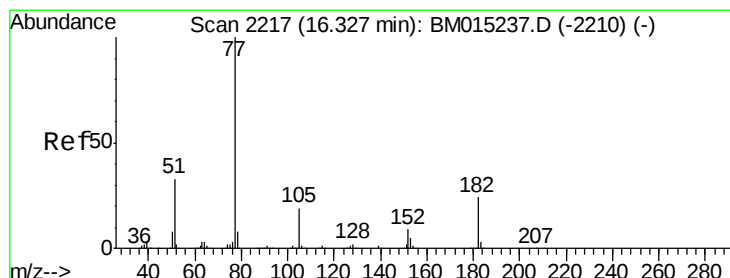
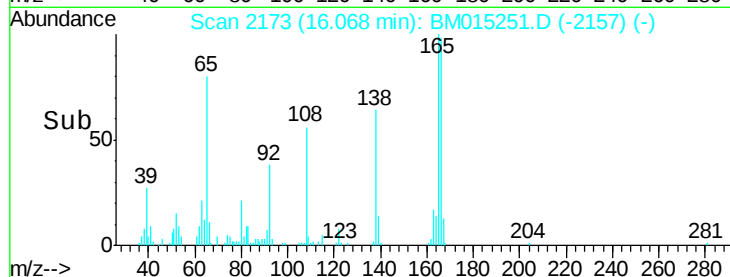
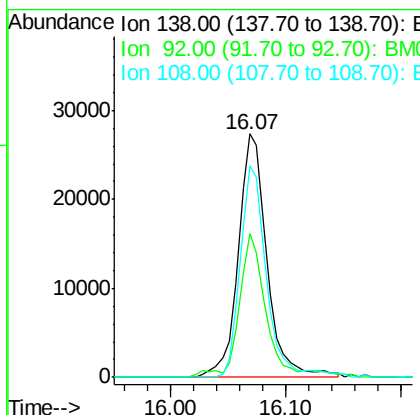
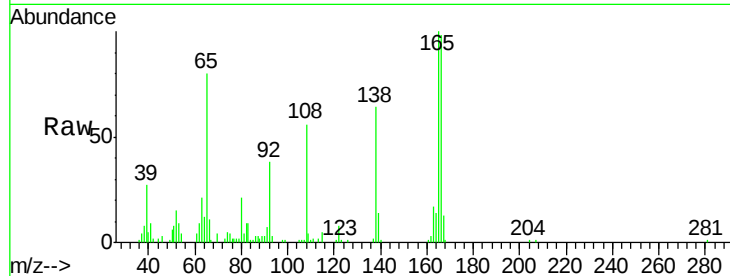
#61
4-Nitroaniline
Concen: 6.144 ng
RT: 16.07 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion: 138 Resp: 47125
Ion Ratio Lower Upper
138 100
92 59.0 16.7 56.7#
108 87.1 37.6 77.6#

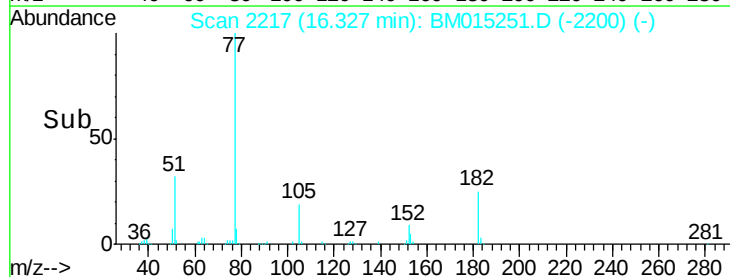
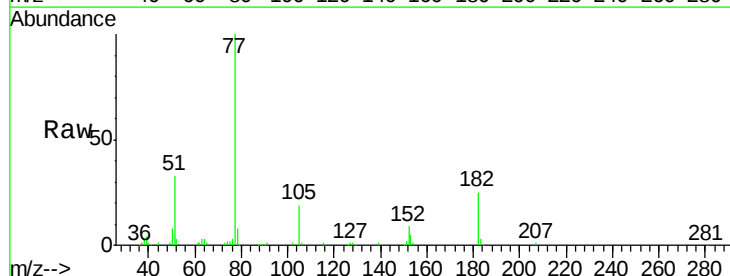
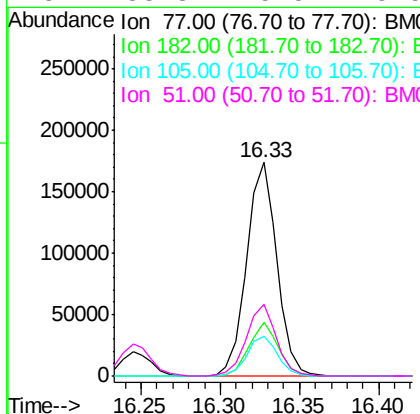
Manual Integrations
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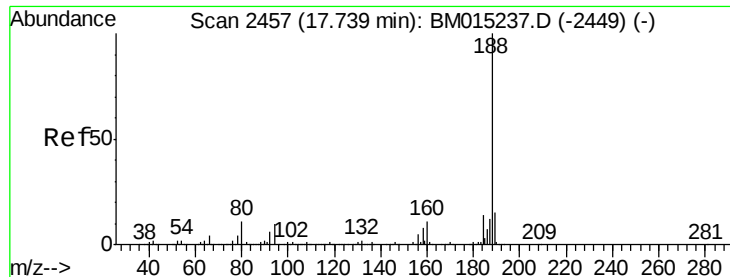
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#62
Azobenzene
Concen: 7.342 ng
RT: 16.33 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion: 77 Resp: 229585
Ion Ratio Lower Upper
77 100
182 25.2 6.5 46.5
105 18.5 3.8 43.8
51 33.3 5.5 45.5





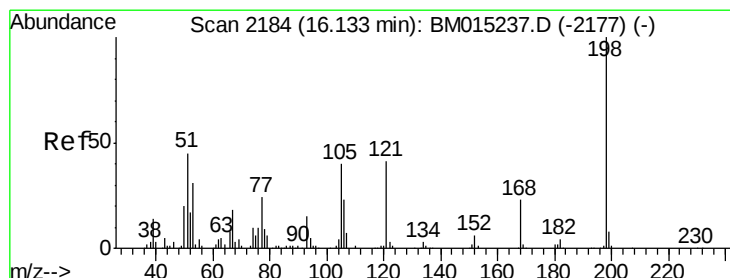
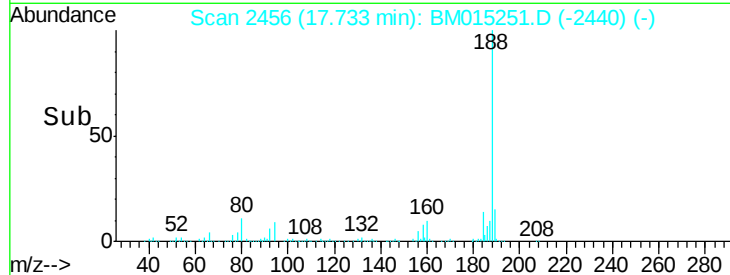
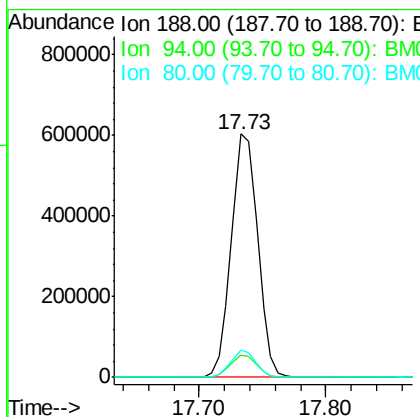
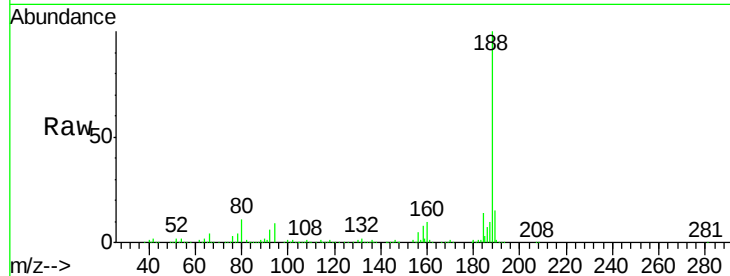
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.73 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	868499		
94	9.3	8.7	13.1	
80	11.0	9.3	13.9	

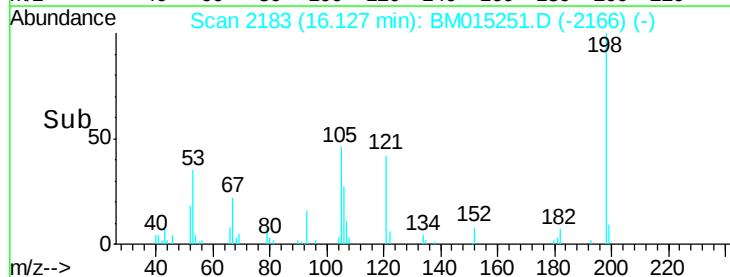
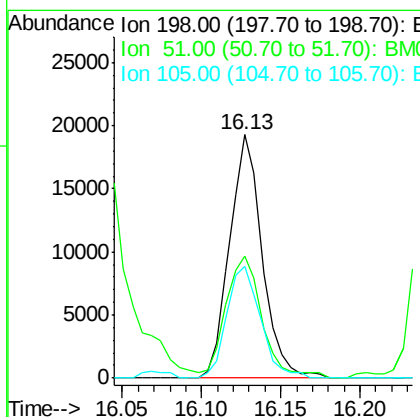
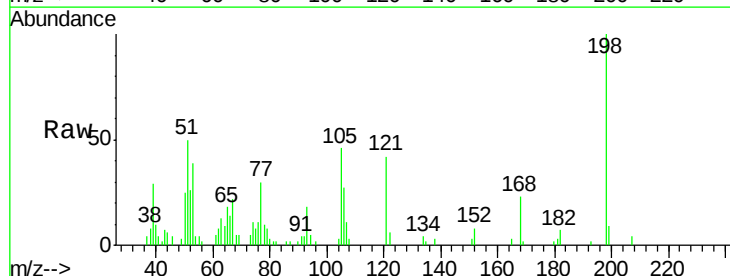
Manual Integrations
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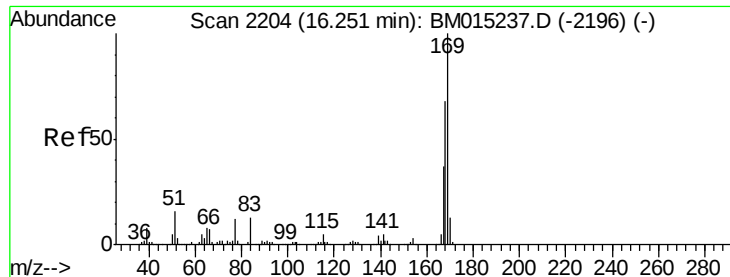
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#64
4,6-Dinitro-2-methylphenol
Concen: 5.740 ng
RT: 16.13 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	27514		
51	50.3	28.8	68.8	
105	46.0	30.5	70.5	





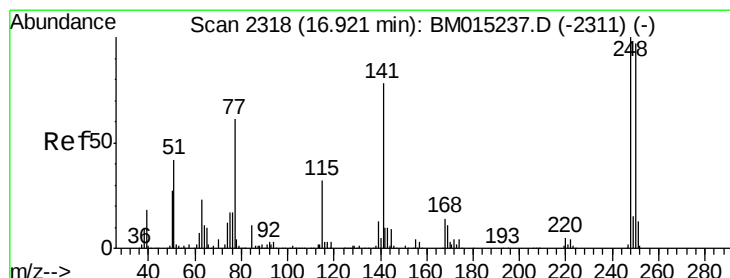
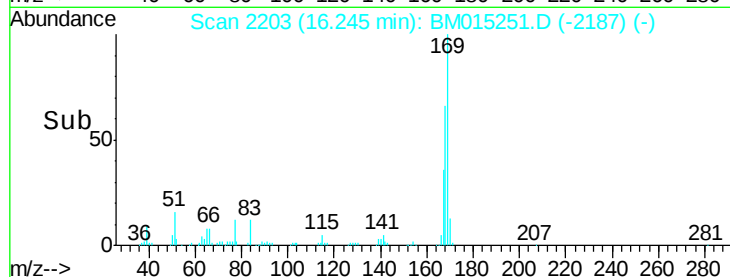
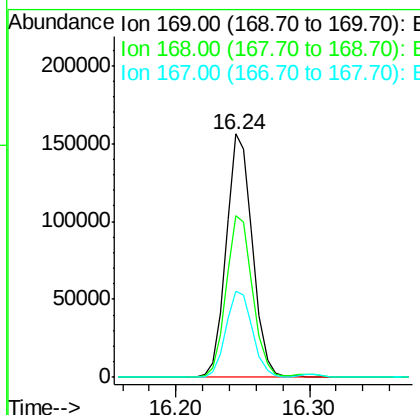
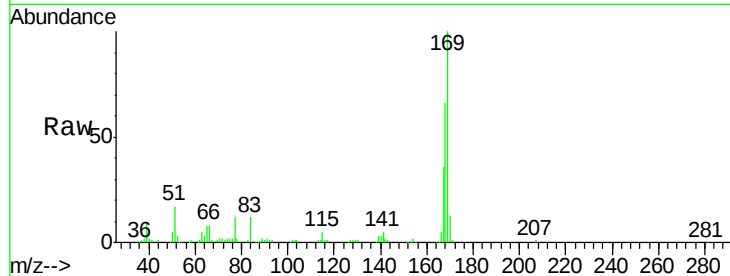
#65
n-Nitrosodiphenylamine
Concen: 7.698 ng
RT: 16.24 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	214821		
168	66.4	53.9	80.9	
167	35.5	28.9	43.3	

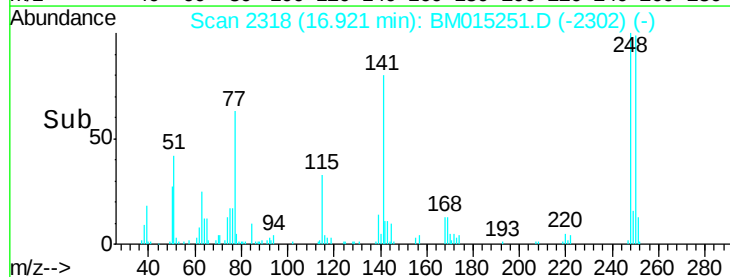
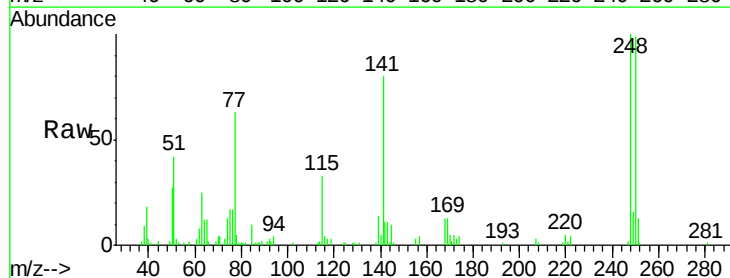
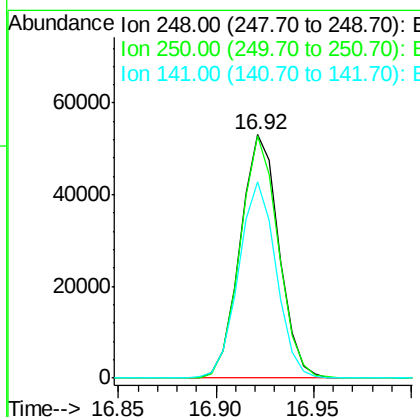
Manual Integrations
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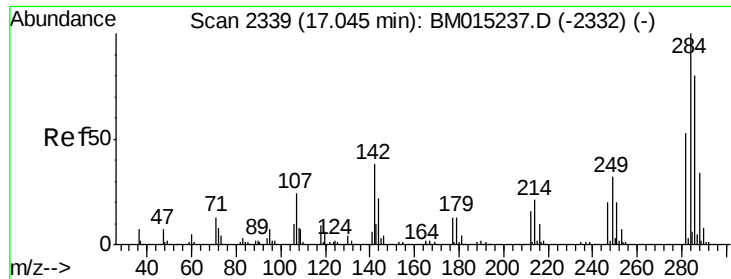
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#66
4-Bromophenyl-phenylether
Concen: 7.506 ng
RT: 16.92 min Scan# 2318
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	72832		
250	99.4	77.4	116.0	
141	80.4	45.2	67.8	





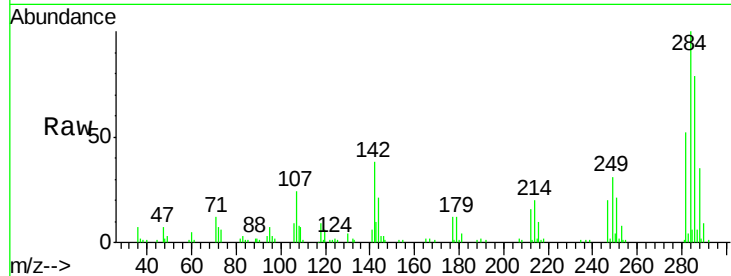
#67
Hexachlorobenzene
Concen: 7.934 ng
RT: 17.04 min Scan# 2339
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

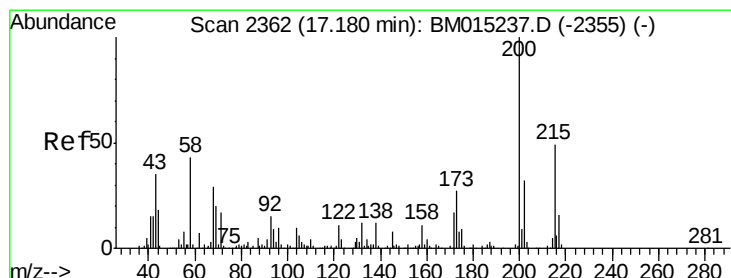
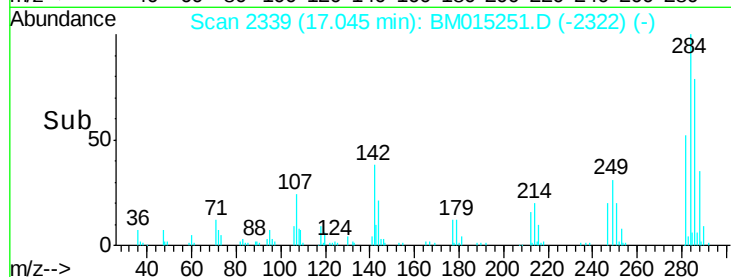
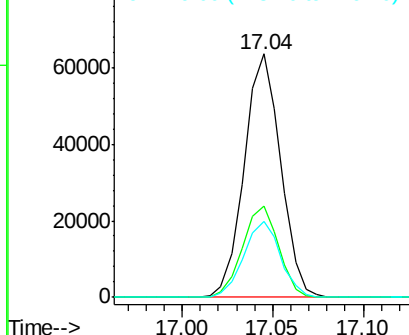
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	88657		
142	37.7	20.4	30.6	#
249	31.2	23.8	35.6	

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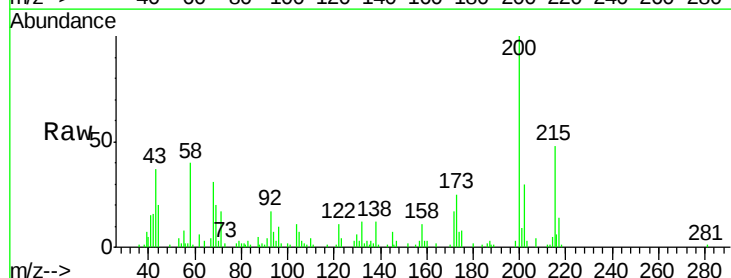


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

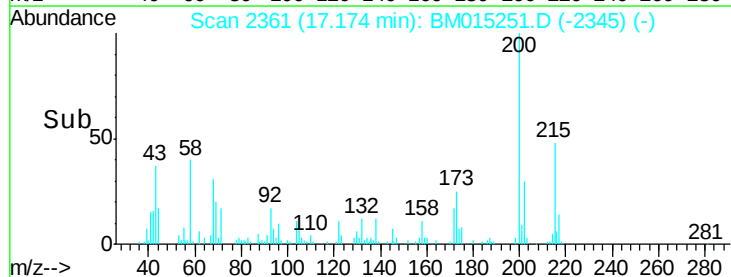
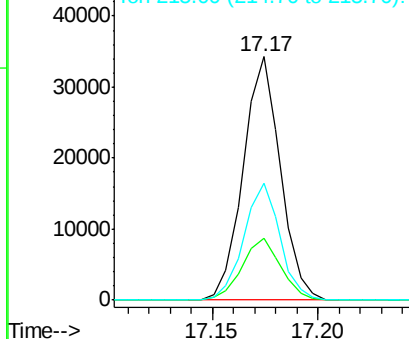


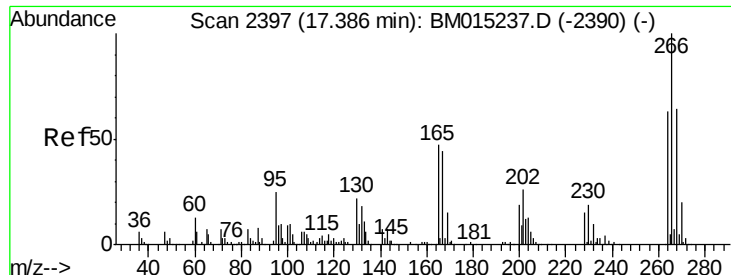
#68
Atrazine
Concen: 4.725 ng
RT: 17.17 min Scan# 2361
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	41831		
173	25.3	4.8	44.8	
215	48.0	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





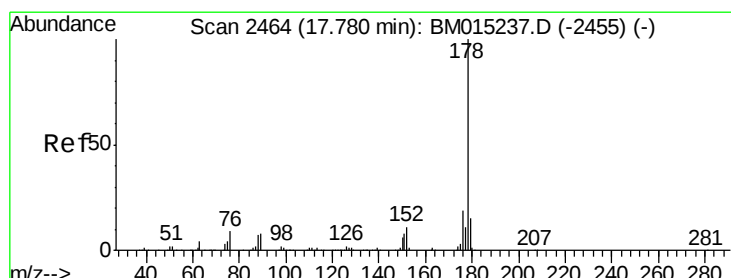
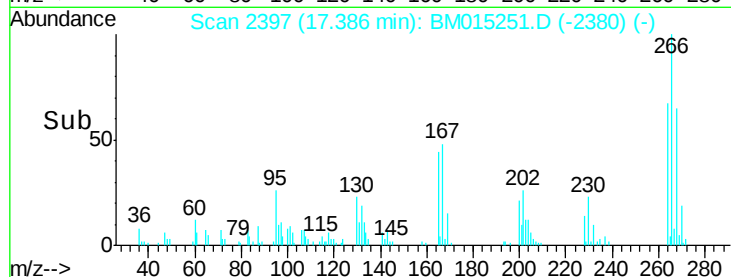
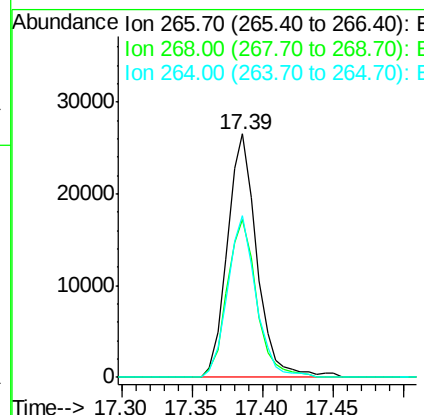
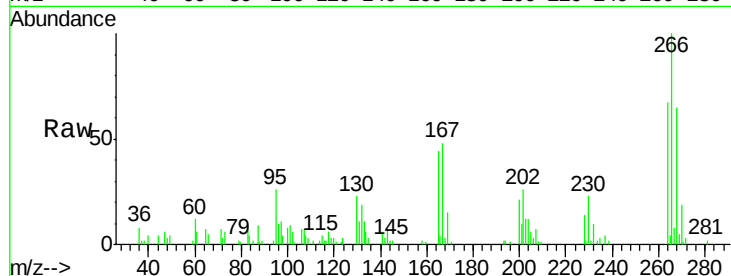
#69
 Pentachlorophenol
 Concen: 6.212 ng
 RT: 17.39 min Scan# 2397
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	38640		
268	64.6	52.0	78.0	
264	66.5	49.0	73.4	

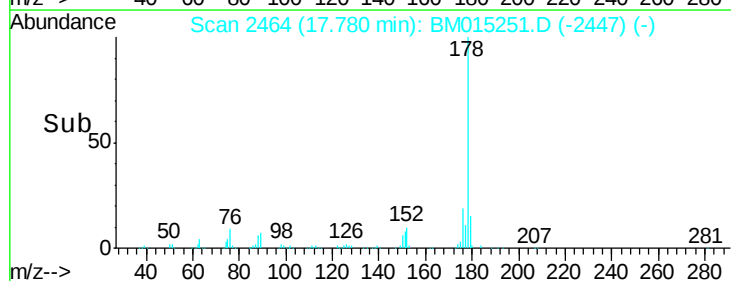
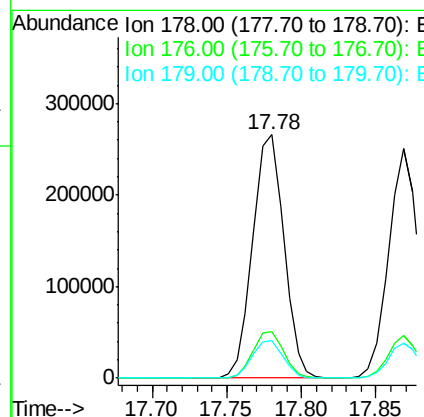
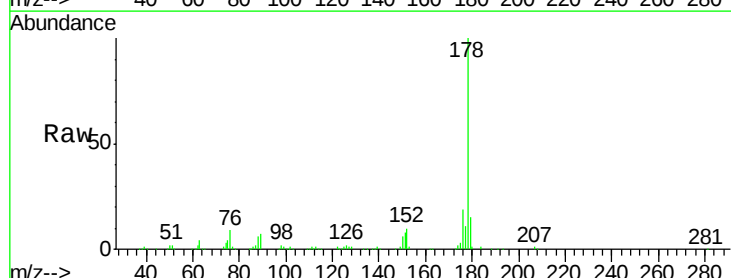
Manual Integrations
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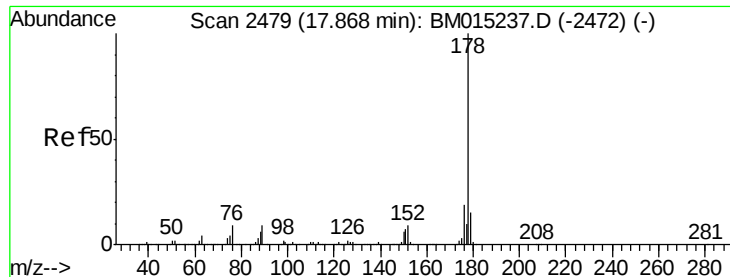
Sohil
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#70
 Phenanthrene
 Concen: 7.796 ng
 RT: 17.78 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	385668		
176	18.9	15.2	22.8	
179	15.3	12.1	18.1	





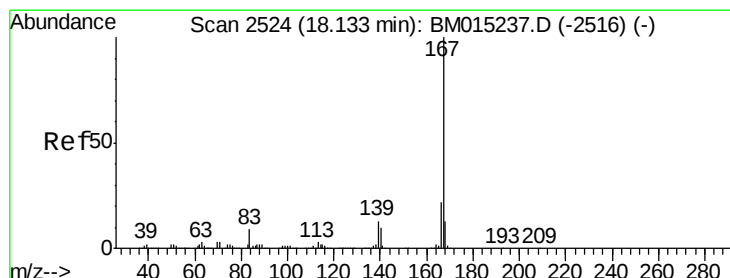
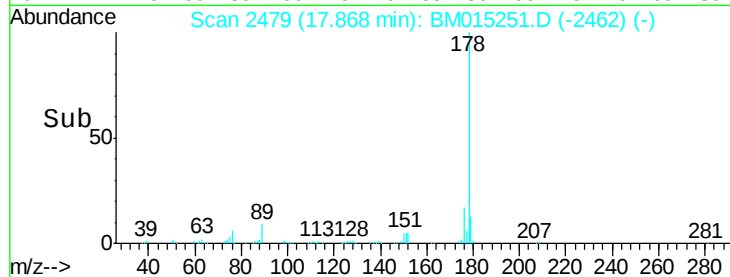
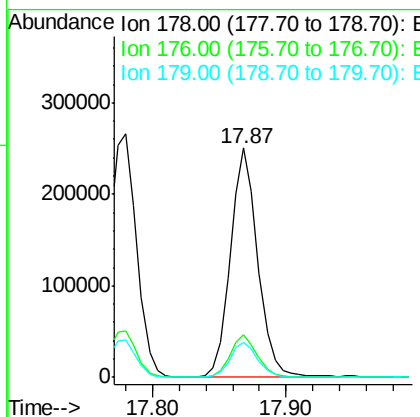
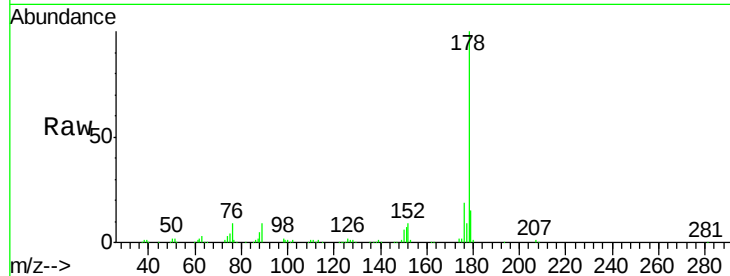
#71
 Anthracene
 Concen: 7.228 ng
 RT: 17.87 min Scan# 2479
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.1	12.6	19.0

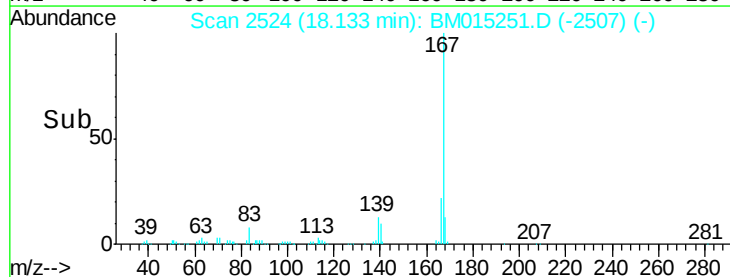
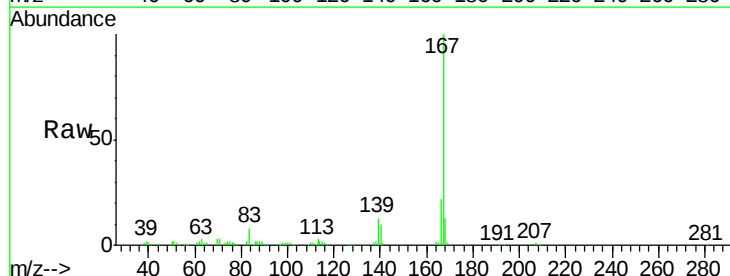
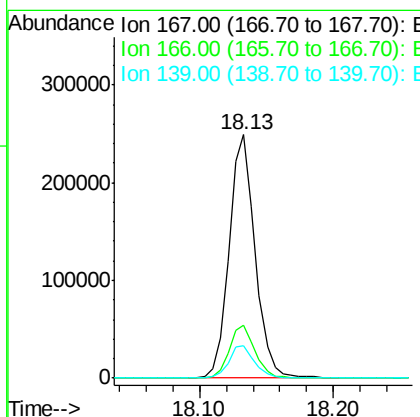
Manual Integrations
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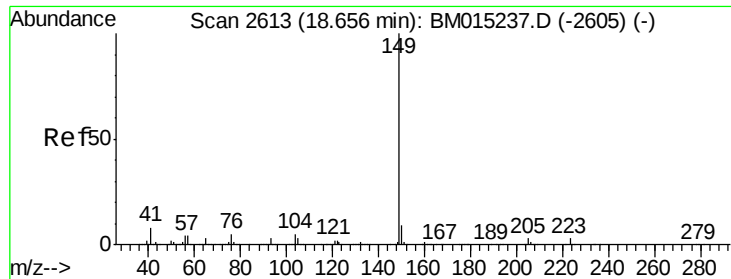
Sohil
 5/23/2018 10:11:26 AM



#72
 Carbazole
 Concen: 7.762 ng
 RT: 18.13 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	13.1	10.8	16.2





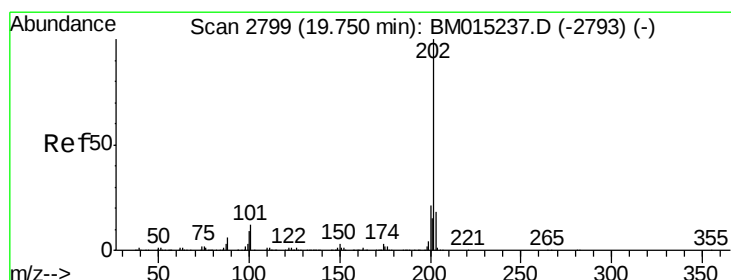
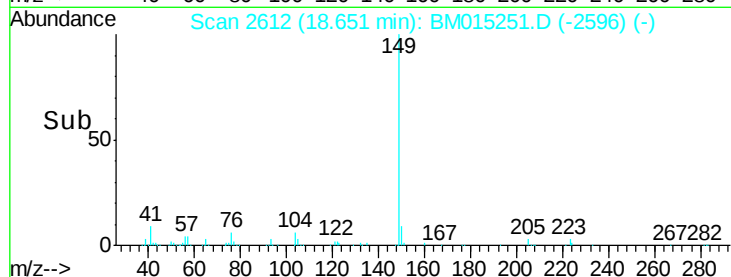
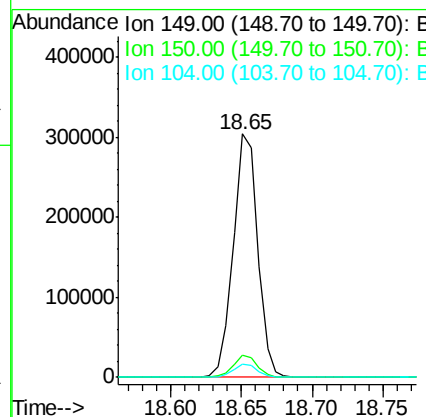
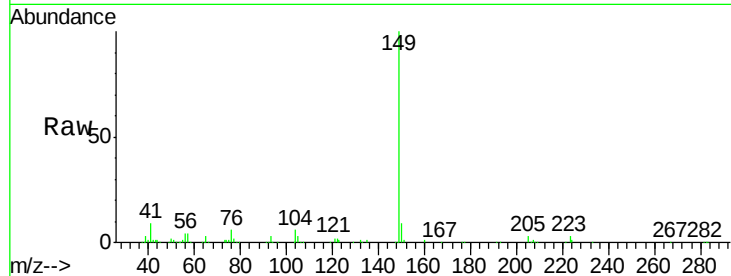
#73
Di-n-butylphthalate
Concen: 7.122 ng
RT: 18.65 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	9.2	7.5	11.3
104	5.6	3.7	5.5

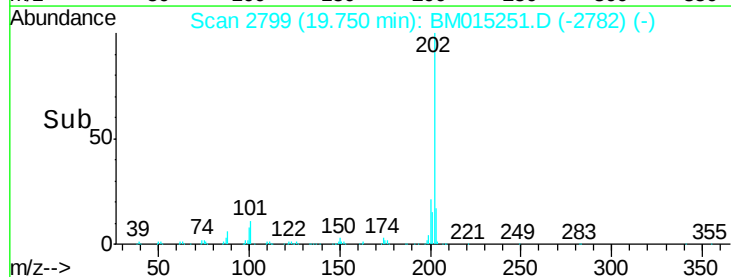
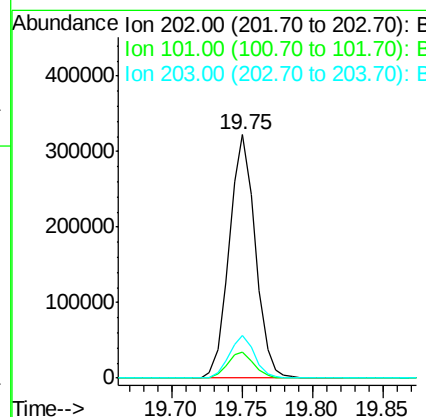
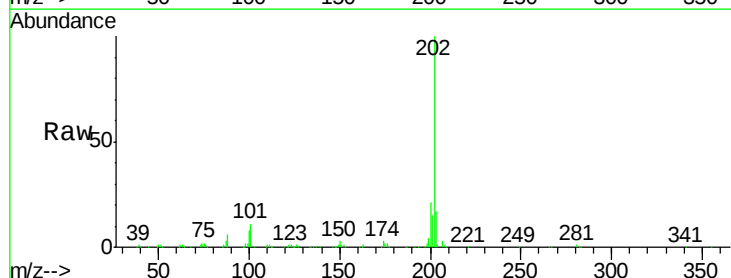
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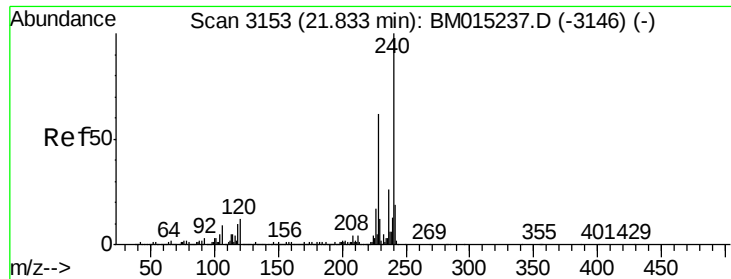
Sohil
5/23/2018 10:11:26 AM



#74
Fluoranthene
Concen: 7.620 ng
RT: 19.75 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	0.0	28.7
203	17.3	0.0	37.2





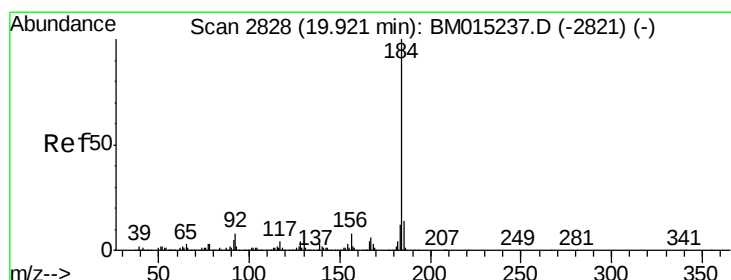
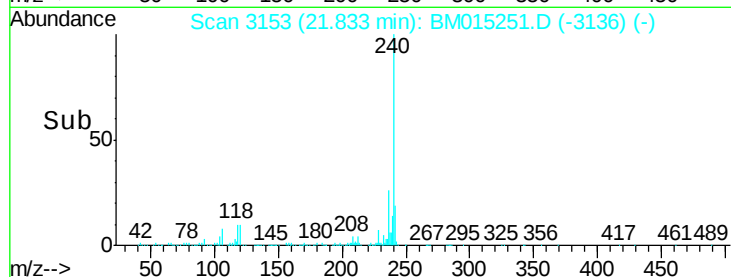
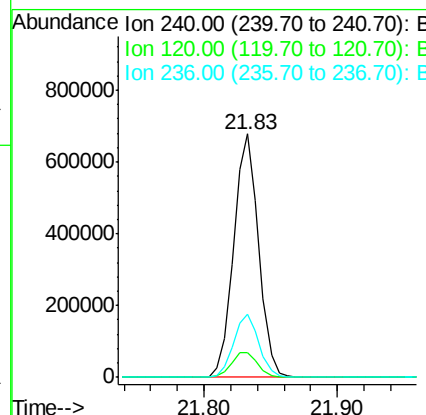
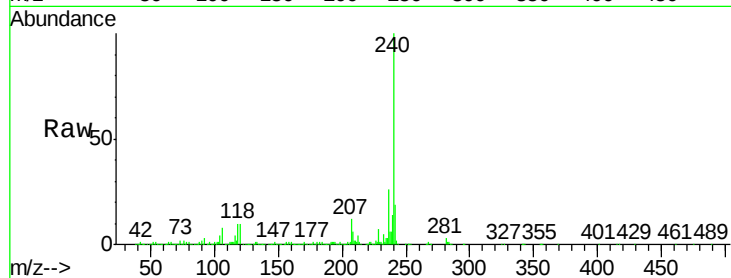
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	883836		
120	10.4	8.2	12.2	
236	26.1	20.0	30.0	

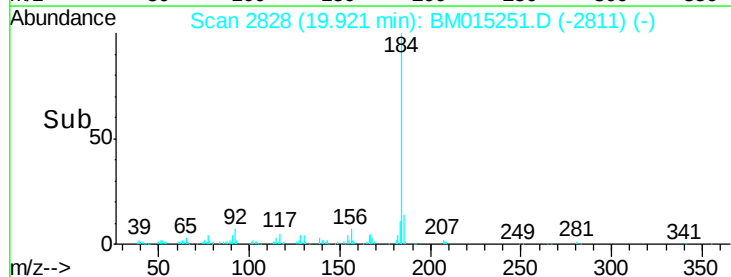
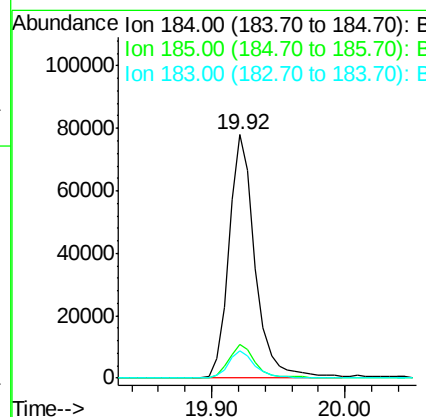
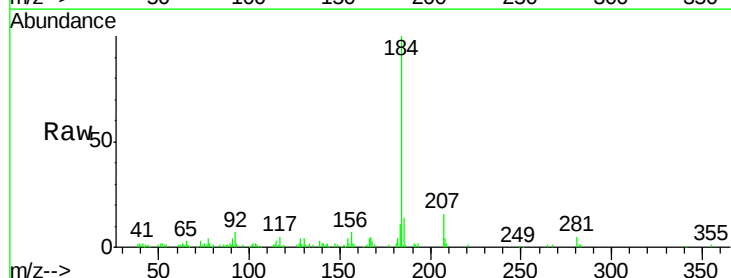
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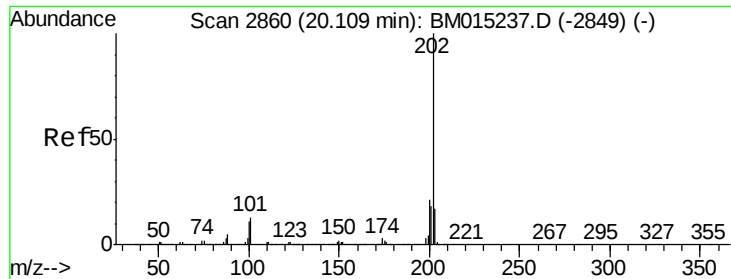
Sohil
5/23/2018 10:11:26 AM



#76
Benzidine
Concen: 3.891 ng
RT: 19.92 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	107647		
185	13.7	11.3	16.9	
183	11.3	8.9	13.3	





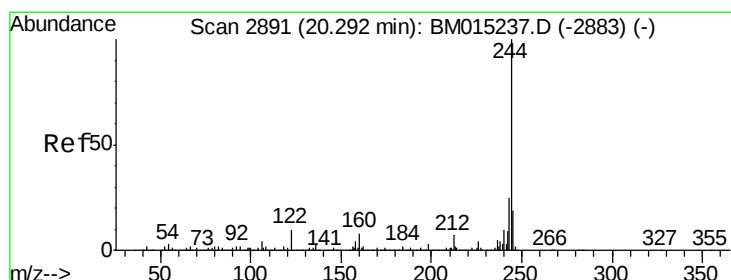
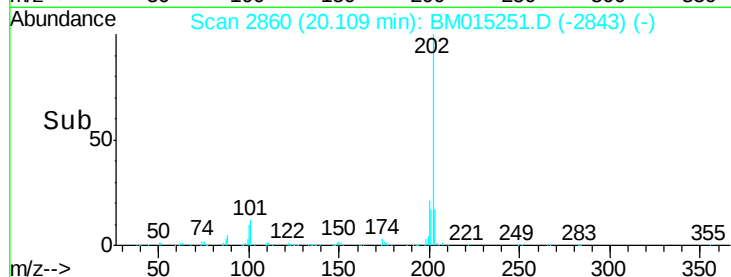
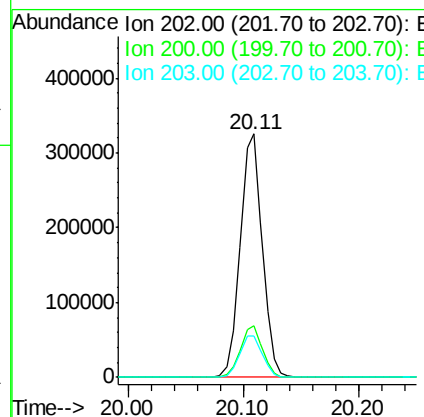
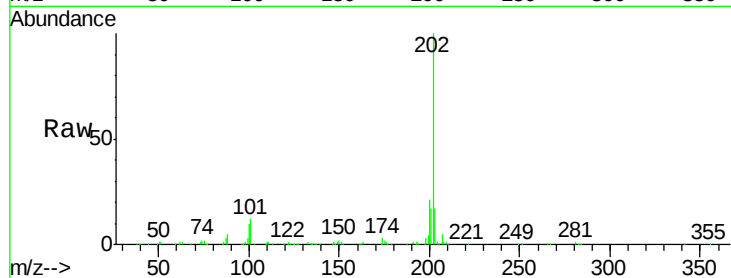
#77
 Pyrene
 Concen: 7.716 ng
 RT: 20.11 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	430413		
200	21.0	16.9	25.3	
203	16.8	14.1	21.1	

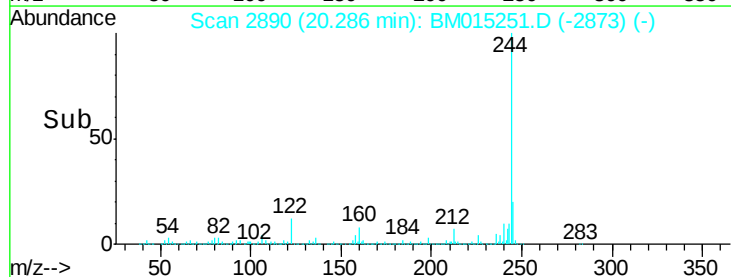
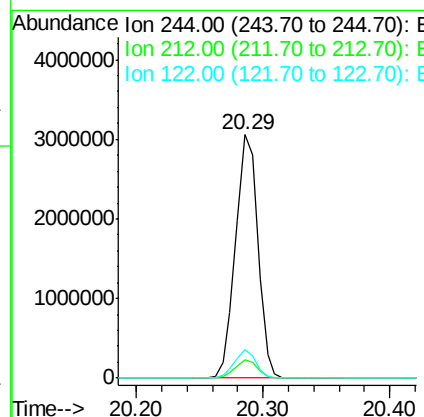
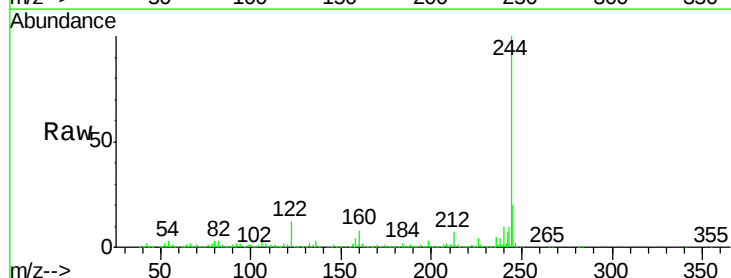
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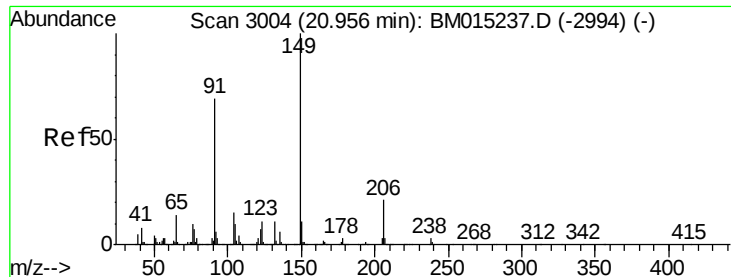
Sohil
 5/23/2018 10:11:26 AM



#78
 Terphenyl-d14
 Concen: 92.530 ng
 RT: 20.29 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	3703486		
212	7.5	4.9	7.3#	
122	11.7	6.2	9.4#	





#79

Butylbenzylphthalate

Concen: 6.829 ng

RT: 20.95 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Instrument :

BNA_M

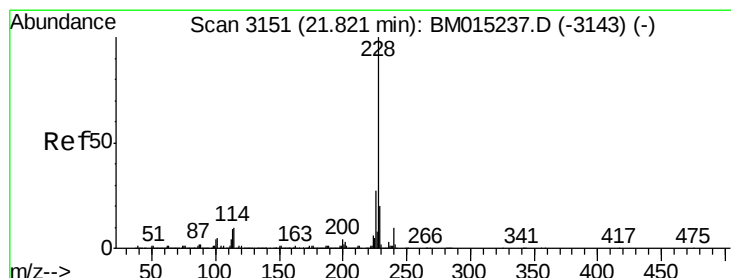
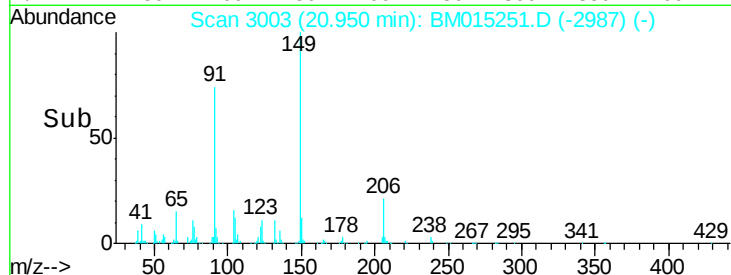
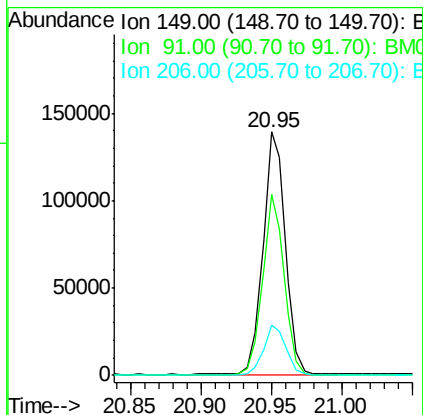
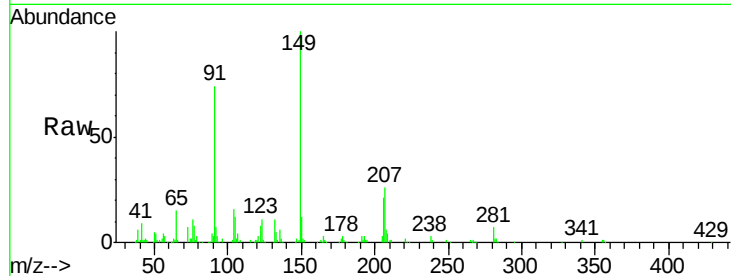
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	149	Resp:	155535
Ion Ratio	Lower	Upper	
149	100		
91	74.1	50.1	75.1
206	20.6	16.2	24.2

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#80

Benzo(a)anthracene

Concen: 7.630 ng

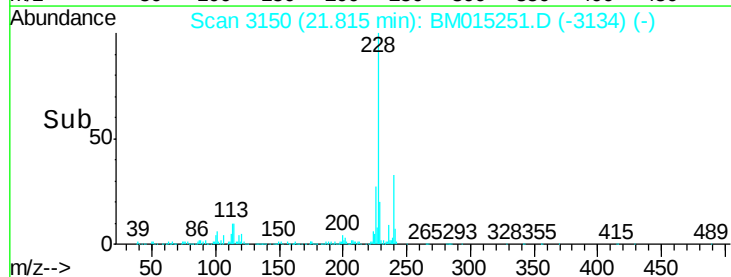
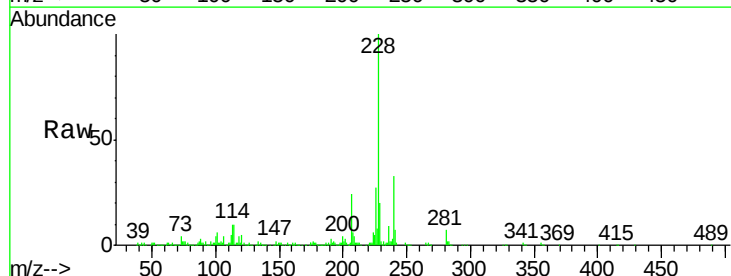
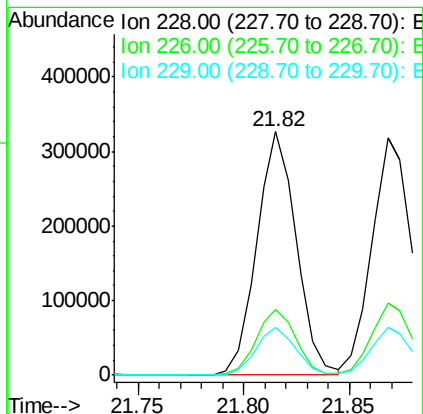
RT: 21.82 min Scan# 3150

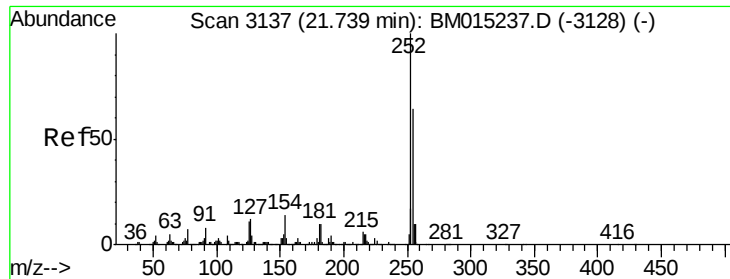
Delta R.T. -0.01 min

Lab File: BM015251.D

Acq: 22 May 2018 21:49

Tgt Ion:	228	Resp:	424966
Ion Ratio	Lower	Upper	
228	100		
226	26.7	21.7	32.5
229	19.8	16.0	24.0





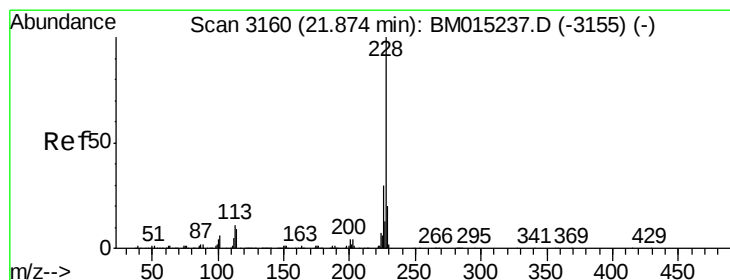
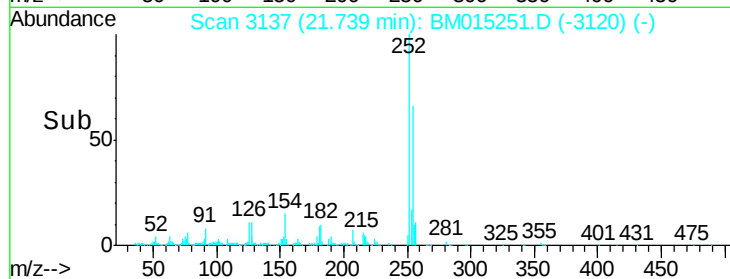
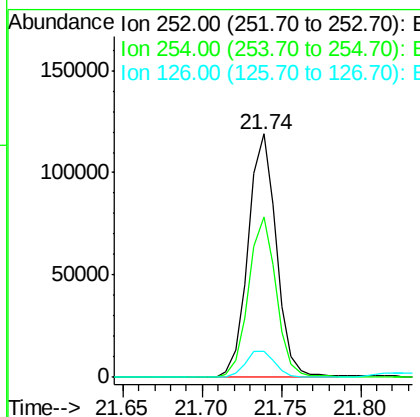
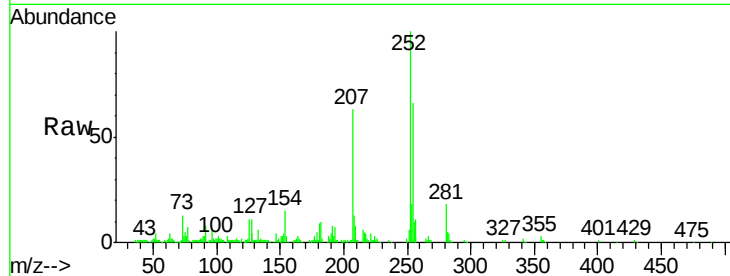
#81
 3,3'-Dichlorobenzidine
 Concen: 7.152 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	147488		
254	66.1	51.9	77.9	
126	10.5	9.8	14.8	

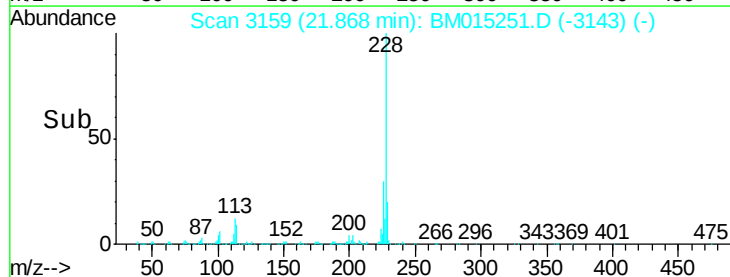
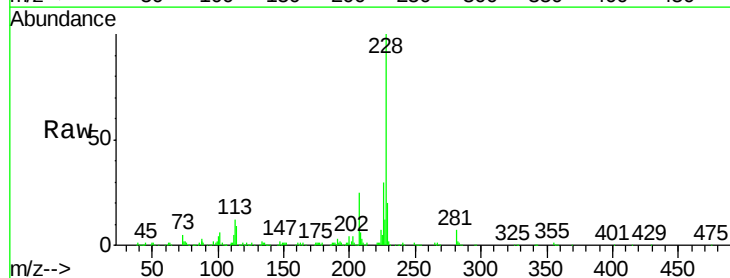
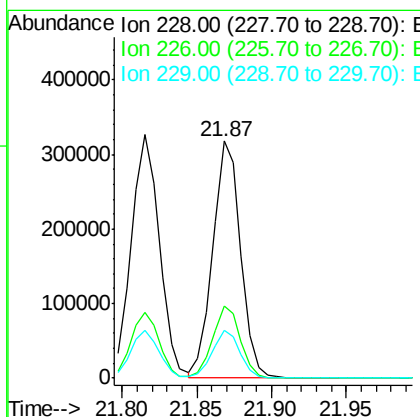
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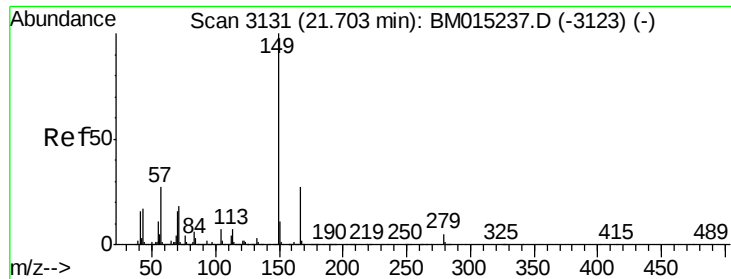
Sohil
 5/23/2018 10:11:26 AM



#82
 Chrysene
 Concen: 7.880 ng
 RT: 21.87 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	413348		
226	30.4	24.1	36.1	
229	19.9	15.5	23.3	





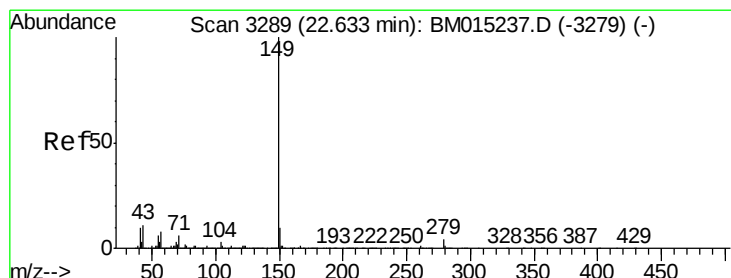
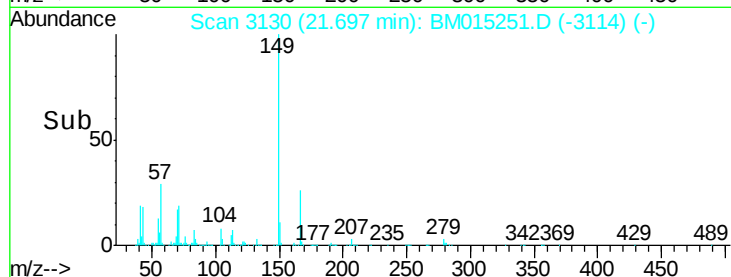
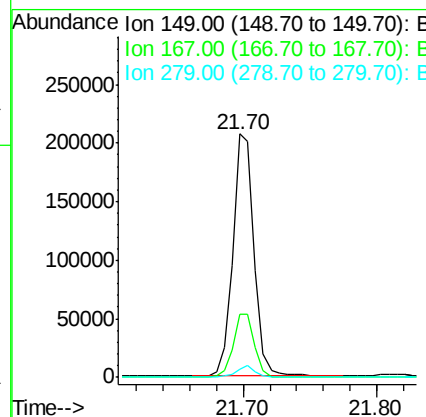
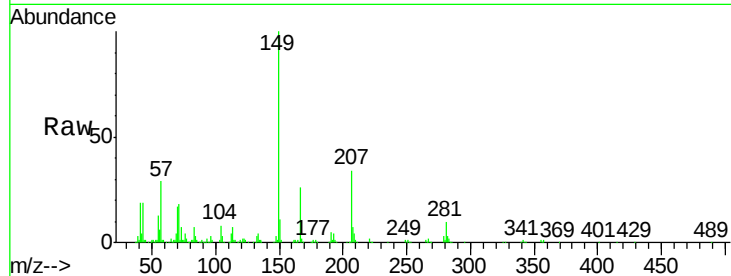
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.924 ng
 RT: 21.70 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	229396		
167	25.9	22.4	33.6	
279	3.5	3.4	5.0	

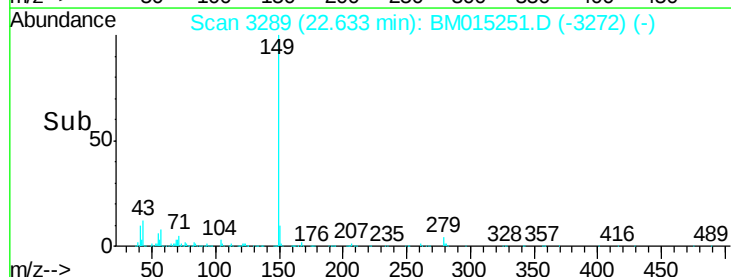
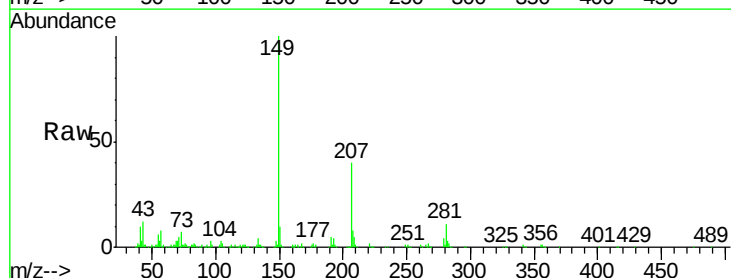
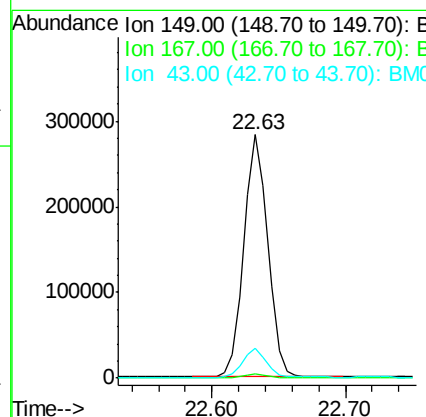
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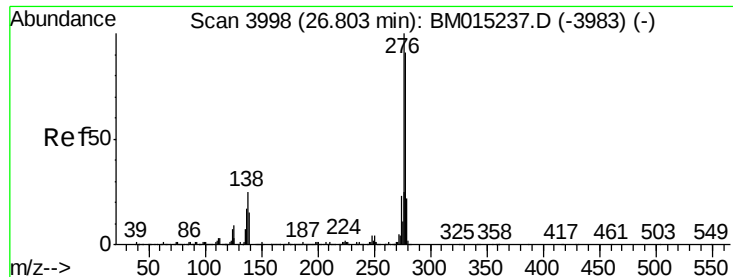
Sohil
 5/23/2018 10:11:26 AM



#84
 Di-n-octyl phthalate
 Concen: 6.012 ng
 RT: 22.63 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: BM015251.D
 Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	348352		
167	1.8	1.2	1.8	
43	12.0	7.3	10.9	





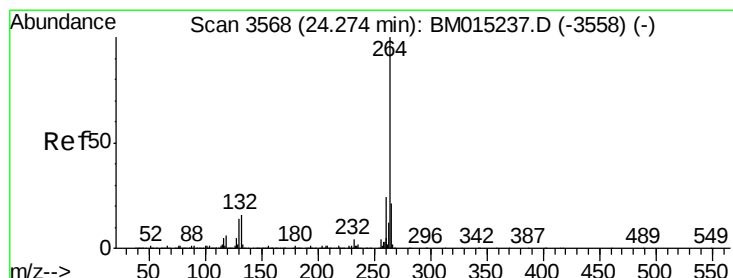
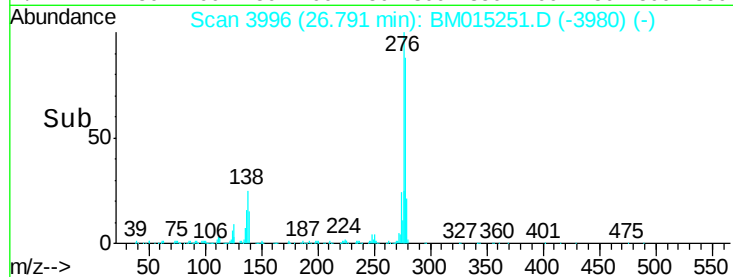
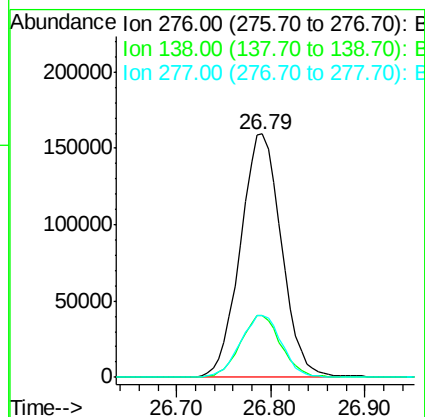
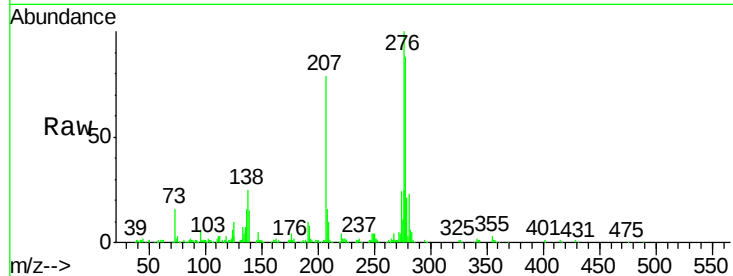
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.614 ng
RT: 26.79 min Scan# 3996
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	483182		
138	25.0	12.0	18.0#	
277	25.7	20.0	30.0	

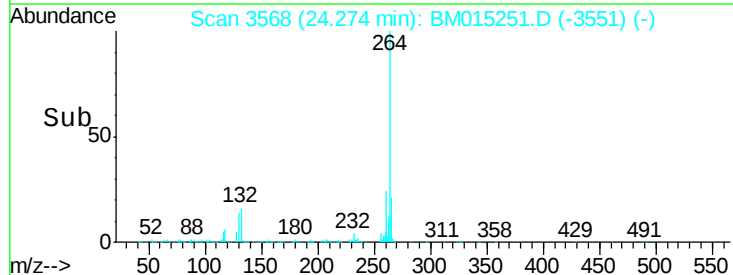
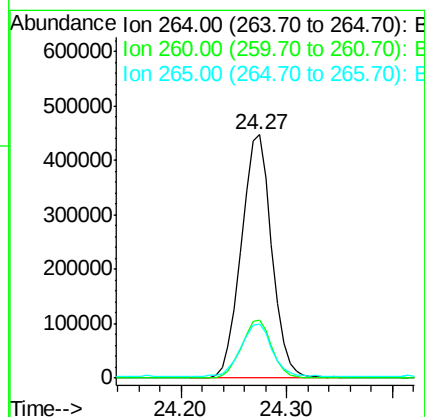
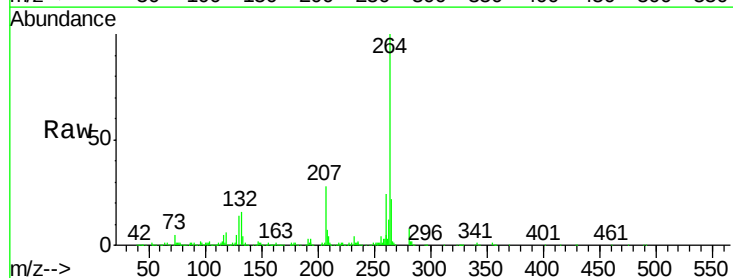
Manual Integrations
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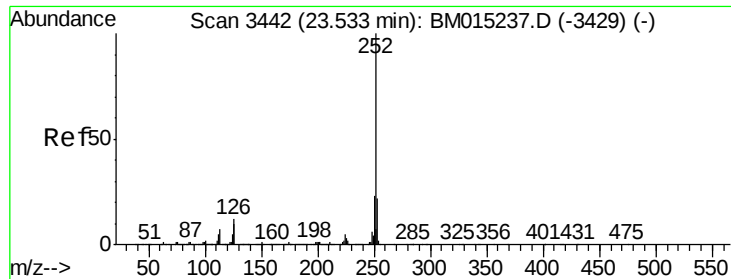
Sohil
5/23/2018 10:11:26 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3568
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	898155		
260	23.6	18.6	27.8	
265	22.1	17.3	25.9	





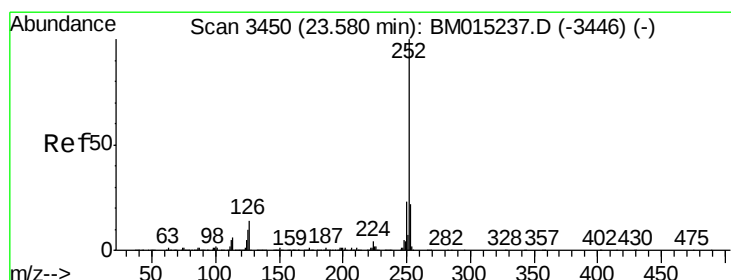
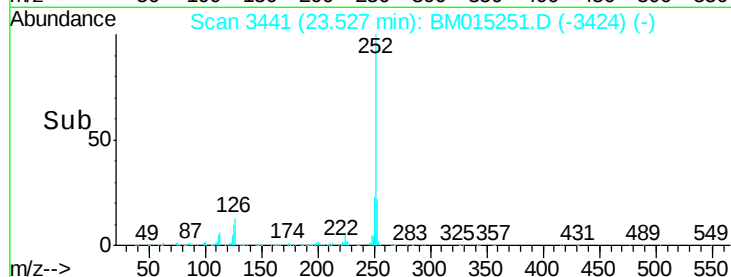
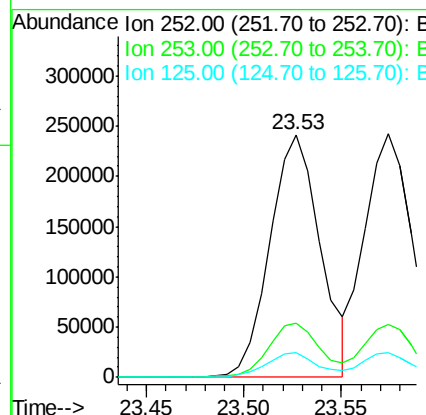
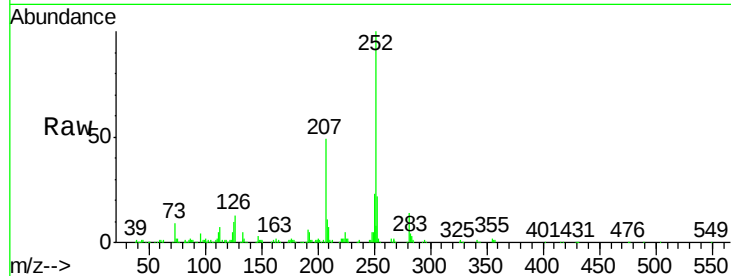
#87
Benzo(b)fluoranthene
Concen: 7.573 ng
RT: 23.53 min Scan# 3441
Delta R.T. 0.00 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	430381		
253	22.3	18.0	27.0	
125	10.2	9.9	14.9	

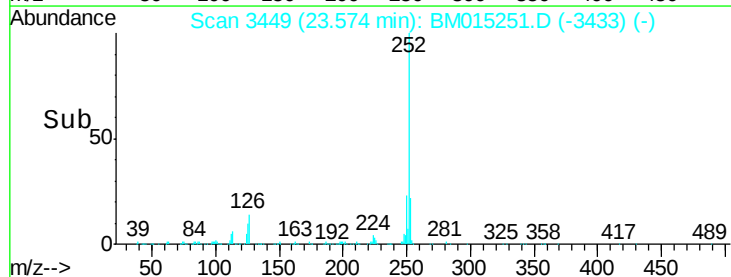
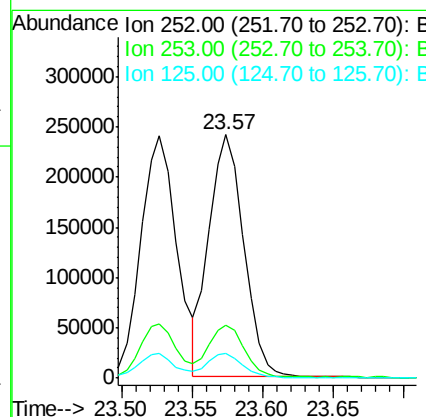
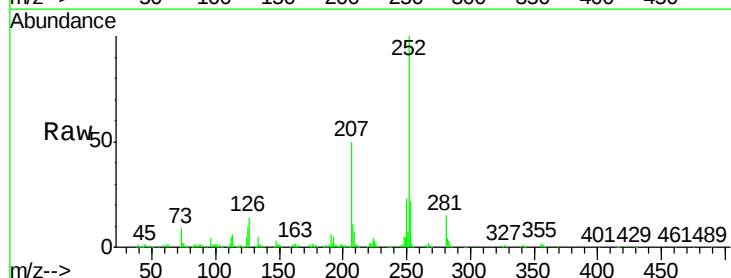
Manual Integrations
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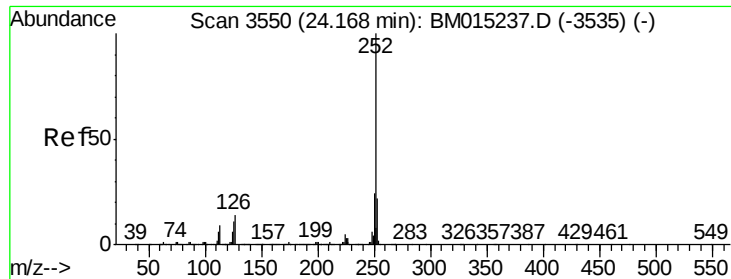
Sohil
5/23/2018 10:11:26 AM



#88
Benzo(k)fluoranthene
Concen: 7.709 ng
RT: 23.57 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	414406		
253	22.0	17.2	25.8	
125	10.3	8.1	12.1	





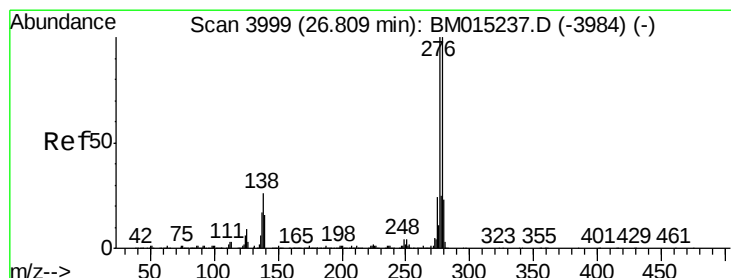
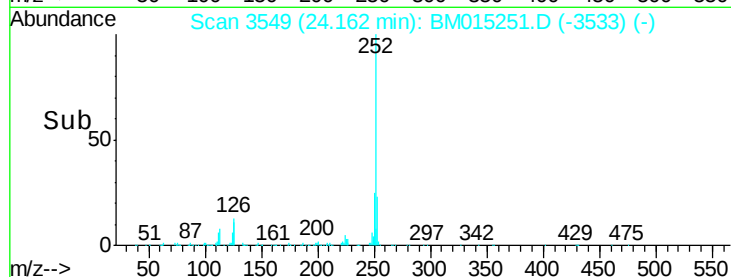
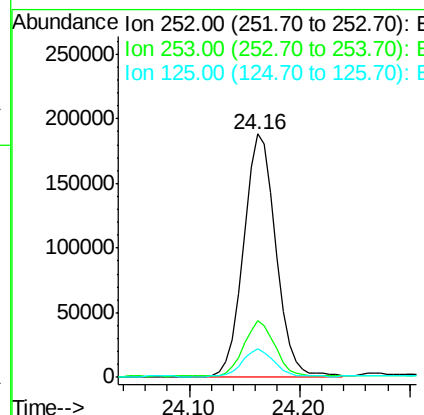
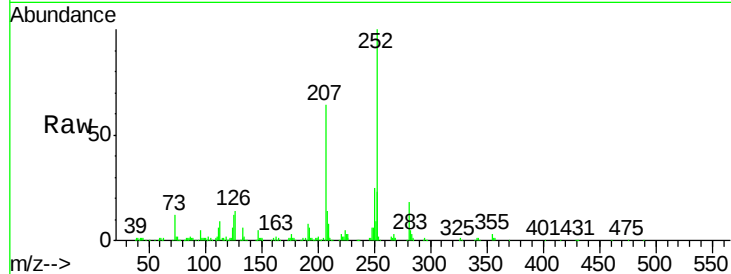
#89
Benzo(a)pyrene
Concen: 7.254 ng
RT: 24.16 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	17.6	26.4
125	11.8	7.4	11.2

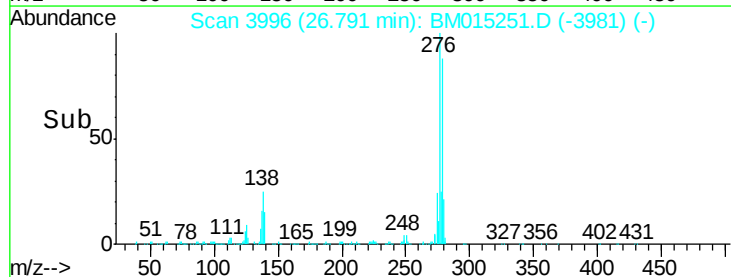
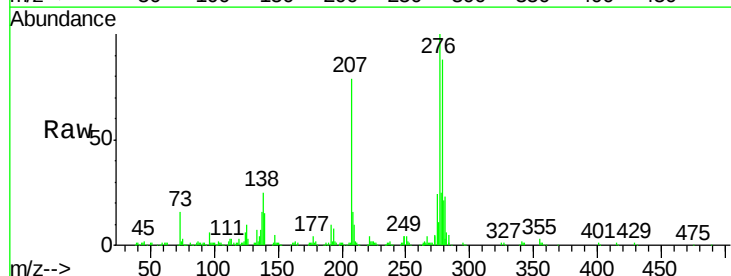
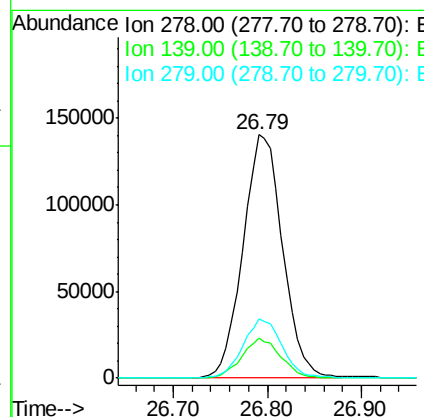
Manual Integrations
APPROVED

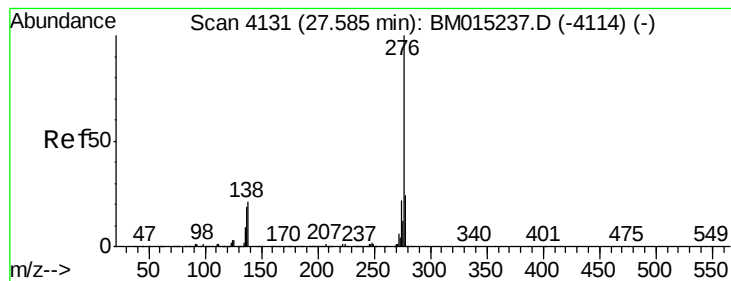
Sohil
5/23/2018 10:11:26 AM



#90
Dibenzo(a,h)anthracene
Concen: 7.583 ng
RT: 26.79 min Scan# 3996
Delta R.T. -0.01 min
Lab File: BM015251.D
Acq: 22 May 2018 21:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	16.5	13.4	20.0
279	24.1	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 7.579 ng

RT: 27.57 min Scan# 4128

Delta R.T. -0.01 min

Lab File: BM015251.D

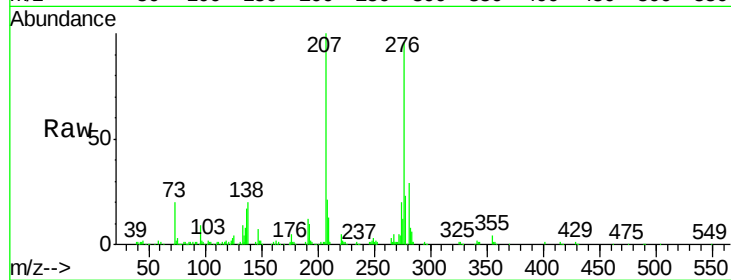
Acq: 22 May 2018 21:49

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018



Tgt	Ion	276	Resp:	399215
	Ratio	100	Lower	Upper
	276	100		
	277	24.3	18.5	27.7
	138	20.7	19.0	28.6

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