

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105157.D
 Acq On : 8 May 2018 21:12
 Operator : JU/SJ
 Sample : J2133-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 5/9/2018 6:50:58 PM

Quant Time: May 09 09:09:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	213929	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	832307	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	416284	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	805480	20.00	ng	0.00
75) Chrysene-d12	13.99	240	696167	20.00	ng	-0.02
86) Perylene-d12	15.53	264	613534	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1596440	122.94	ng	0.00
7) Phenol-d6	6.42	99	1920996	124.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	1106064	90.07	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	609207	132.65	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2007875	74.86	ng	0.00
78) Terphenyl-d14	12.90	244	2252957	75.17	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	8845	1.288	ng	91
3) Pyridine	3.37	79	16532	0.898	ng	# 87
4) n-Nitrosodimethylamine	3.20	42	7261	0.778	ng	# 74
6) Aniline	6.46	93	21843	0.967	ng	93
8) 2-Chlorophenol	6.57	128	14725	1.069	ng	90
9) Benzaldehyde	6.35	77	7072	0.597	ng	94
10) Phenol	6.43	94	17683	1.028	ng	99
11) bis(2-Chloroethyl)ether	6.53	93	15254	1.076	ng	89
12) 1,3-Dichlorobenzene	6.73	146	19157	1.154	ng	97
13) 1,4-Dichlorobenzene	6.81	146	18687	1.126	ng	98
14) 1,2-Dichlorobenzene	6.96	146	18007	1.176	ng	98
15) Benzyl Alcohol	6.93	79	11854	1.002	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.06	45	28062	1.065	ng	98
17) 2-Methylphenol	7.03	107	12560	1.056	ng	95
18) Hexachloroethane	7.30	117	5917	1.107	ng	97
19) n-Nitroso-di-n-propylamine	7.20	70	10968	1.071	ng	# 91
20) 3+4-Methylphenols	7.19	107	16284	1.165	ng	88
22) Acetophenone	7.19	105	23266	1.199	ng	# 91
24) Nitrobenzene	7.37	77	19898	1.429	ng	94
25) Isophorone	7.60	82	26456m	0.963	ng	
26) 2-Nitrophenol	7.69	139	4610	10.582	ng	96
27) 2,4-Dimethylphenol	7.72	122	10679	0.875	ng	97
28) bis(2-Chloroethoxy)methane	7.82	93	17640	1.041	ng	# 97
29) 2,4-Dichlorophenol	7.92	162	10872	0.952	ng	93
30) 1,2,4-Trichlorobenzene	8.01	180	15826	1.202	ng	96
31) Naphthalene	8.09	128	47705	1.190	ng	97
32) Benzoic acid	7.75	122	3516	9.621	ng	97
33) 4-Chloroaniline	8.14	127	15886	0.953	ng	98
34) Hexachlorobutadiene	8.21	225	9173	1.202	ng	97
35) Caprolactam	8.46	113	2422	0.698	ng	# 50
36) 4-Chloro-3-methylphenol	8.60	107	10654	0.896	ng	96
37) 2-Methylnaphthalene	8.78	142	31849	1.140	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	16308	1.231	ng	98
40) Hexachlorocyclopentadiene	8.93	237	6083	0.849	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	7108	0.879	nq	98
43) 2,4,5-Trichlorophenol	9.09	196	7852	0.930	nq	97
45) 1,1'-Biphenyl	9.25	154	49683	1.465	nq	97
46) 2-Chloronaphthalene	9.27	162	31132	1.228	nq	99
47) 2-Nitroaniline	9.36	65	5188	6.424	nq	90
48) Acenaphthylene	9.69	152	45685	1.167	nq	99
49) Dimethylphthalate	9.54	163	34355	1.219	nq	97
50) 2,6-Dinitrotoluene	9.60	165	4694	0.768	nq	95
51) Acenaphthene	9.86	154	29919	1.186	nq	95
52) 3-Nitroaniline	9.77	138	5569	0.865	nq #	97
53) 2,4-Dinitrophenol	9.87	184	546	9.645	nq #	19
54) Dibenzofuran	10.03	168	43258	1.172	nq	97
55) 4-Nitrophenol	9.92	139	2988	4.788	nq	95
56) 2,4-Dinitrotoluene	10.00	165	5035	4.181	nq #	98
57) Fluorene	10.37	166	34362	1.269	nq	96
58) 2,3,4,6-Tetrachlorophenol	10.14	232	6408m	0.850	nq	
59) Diethylphthalate	10.25	149	31576	1.140	nq	97
60) 4-Chlorophenyl-phenylether	10.37	204	16791	1.333	nq	89
61) 4-Nitroaniline	10.37	138	4583	0.715	nq #	81
62) Azobenzene	10.53	77	30210	1.046	nq	95
64) 4,6-Dinitro-2-methylphenol	10.40	198	1502	9.287	nq	89
65) n-Nitrosodiphenylamine	10.49	169	27996	1.115	nq	98
66) 4-Bromophenyl-phenylether	10.86	248	9772	1.138	nq	90
67) Hexachlorobenzene	10.92	284	12432	1.256	nq #	87
68) Atrazine	11.00	200	5847	0.743	nq	88
69) Pentachlorophenol	11.11	266	3902	3.867	nq	93
70) Phenanthrene	11.33	178	52124	1.227	nq	97
71) Anthracene	11.39	178	47321	1.097	nq	99
72) Carbazole	11.54	167	43527	1.119	nq	97
73) Di-n-butylphthalate	11.87	149	37022	0.890	nq	99
74) Fluoranthene	12.52	202	49295	1.114	nq	94
76) Benzidine	12.64	184	4076m	0.157	nq	
77) Pyrene	12.75	202	52660	1.040	nq	94
79) Butylbenzylphthalate	13.39	149	9912	7.363	nq	91
80) Benzo(a)anthracene	13.98	228	45090	1.068	nq	96
81) 3,3'-Dichlorobenzidine	13.94	252	8583	0.541	nq	89
82) Chrysene	14.02	228	48473	1.115	nq	95
83) Bis(2-ethylhexyl)phthalate	13.98	149	14726	0.703	nq #	96
84) Di-n-octyl phthalate	14.66	149	15511	7.262	nq #	88
85) Indeno(1,2,3-cd)pyrene	16.95	276	28769	0.835	nq	94
87) Benzo(b)fluoranthene	15.09	252	37287	0.993	nq	98
88) Benzo(k)fluoranthene	15.12	252	37287m	1.024	nq	
89) Benzo(a)pyrene	15.46	252	29817	0.873	nq #	95
90) Dibenzo(a,h)anthracene	16.97	278	22473	0.848	nq	98
91) Benzo(g,h,i)perylene	17.39	276	22728	0.876	nq #	94

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

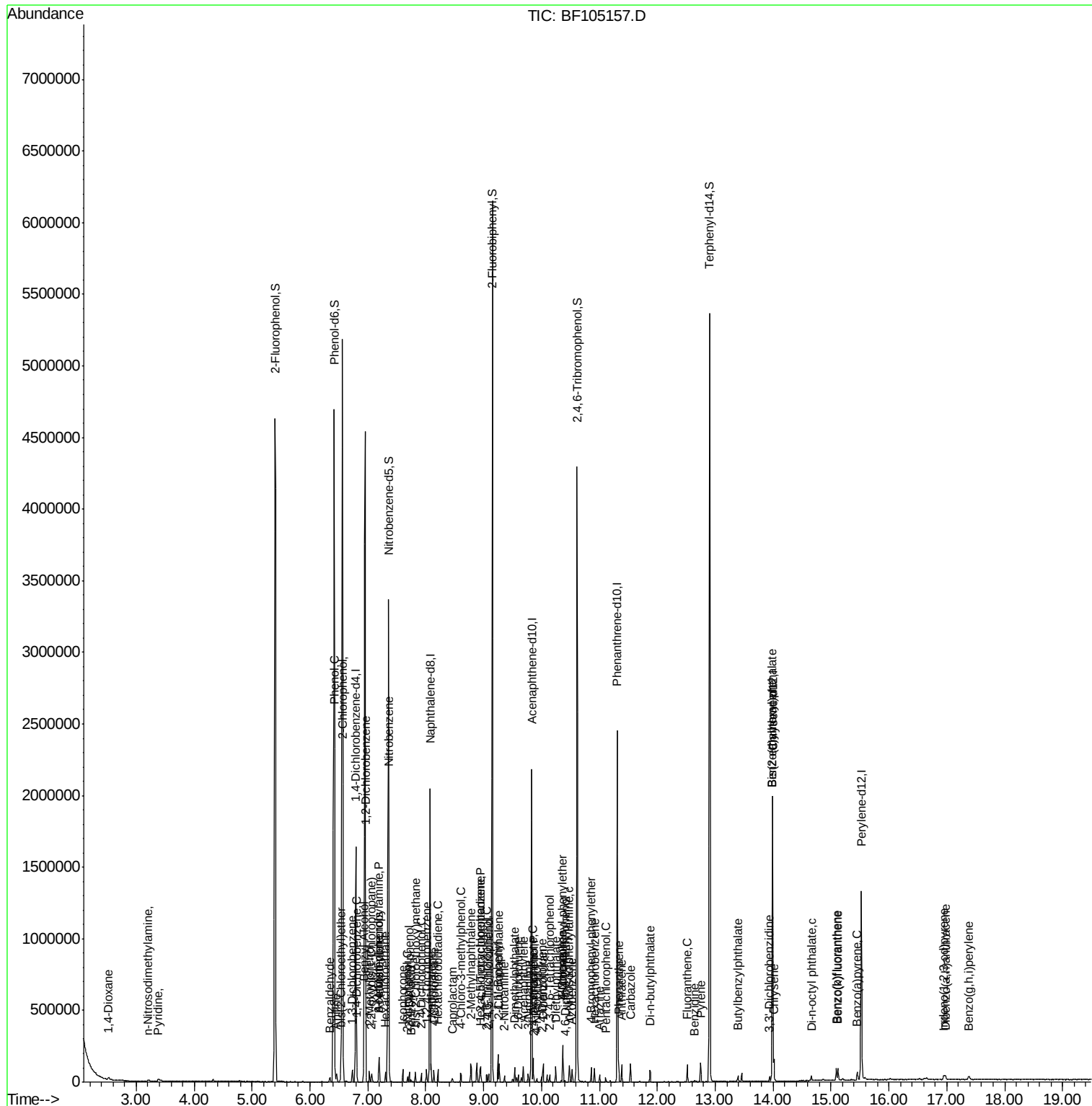
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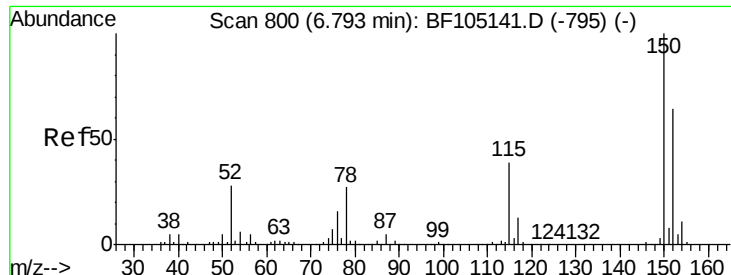
Instrument :
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#1

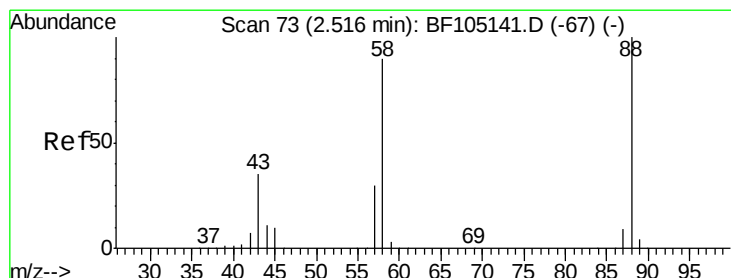
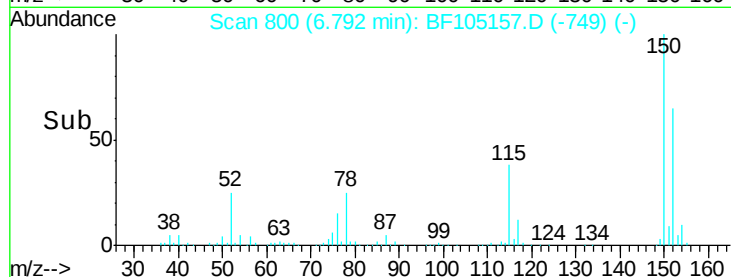
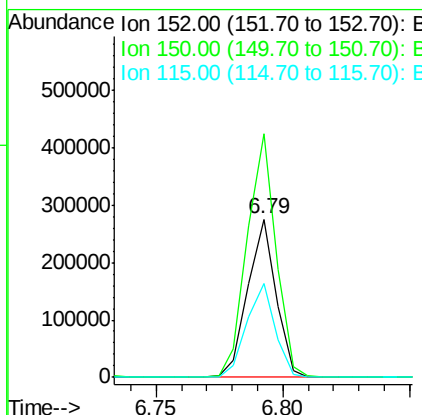
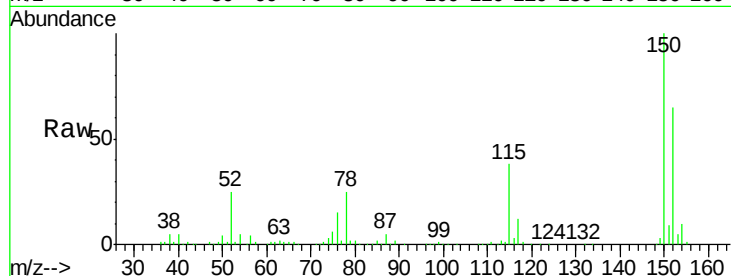
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	59.1	50.1	75.1

Manual Integrations
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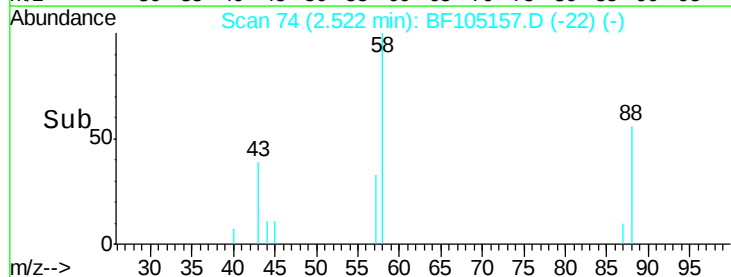
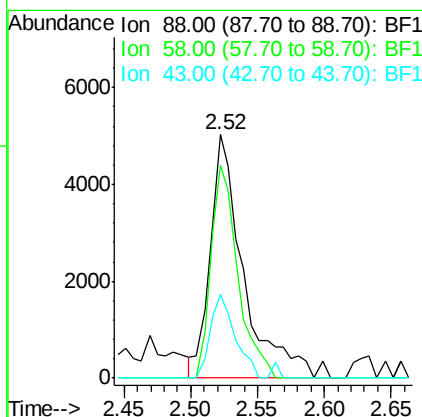
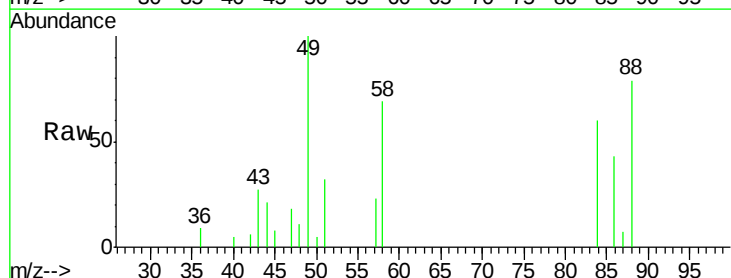
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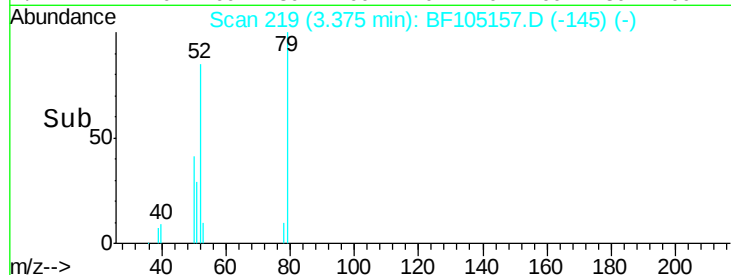
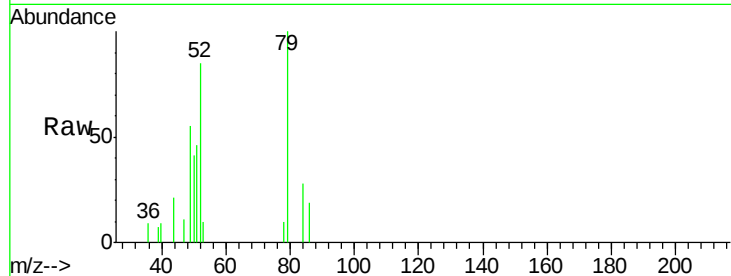
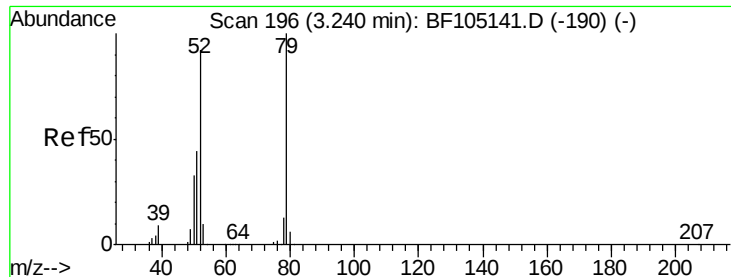


#2

1,4-Dioxane
Concen: 1.288 ng
RT: 2.52 min Scan# 74
Delta R.T. 0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.2	62.6	93.8
43	25.4	24.6	37.0





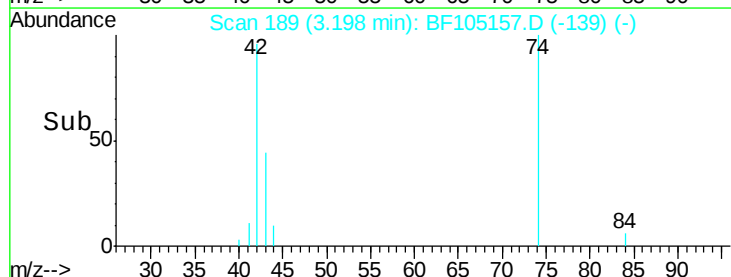
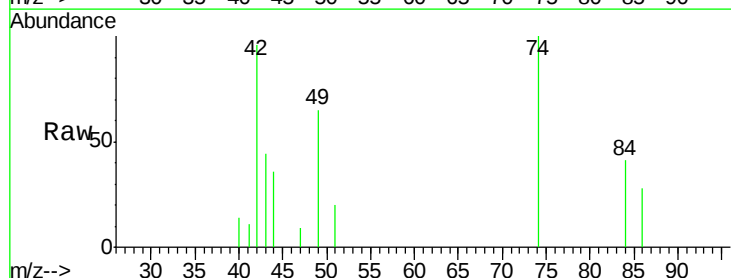
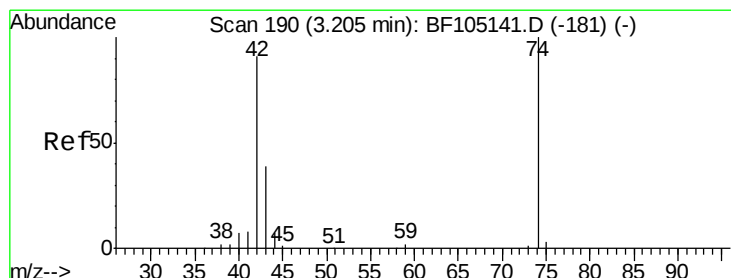
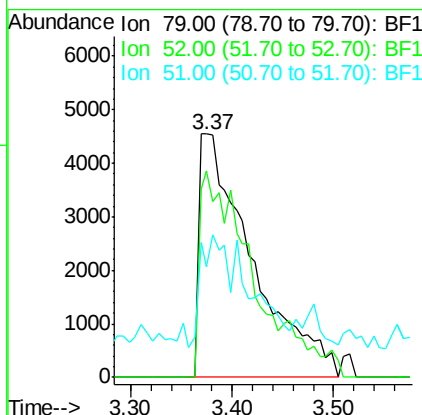
#3
 Pvridine
 Concen: 0.898 ng
 RT: 3.37 min Scan# 219
 Delta R.T. 0.13 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tot Ion	Ratio	Lower	Upper
79	100		
52	85.0	59.8	89.6
51	45.5	29.8	44.8#

Instrument :
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 MDL-SOIL-03-QT2-2018

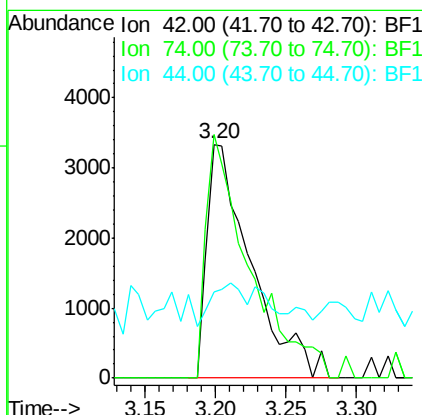
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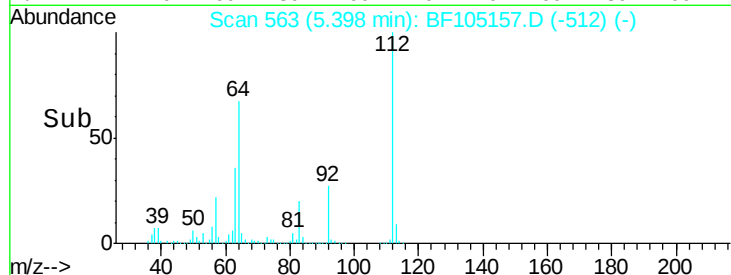
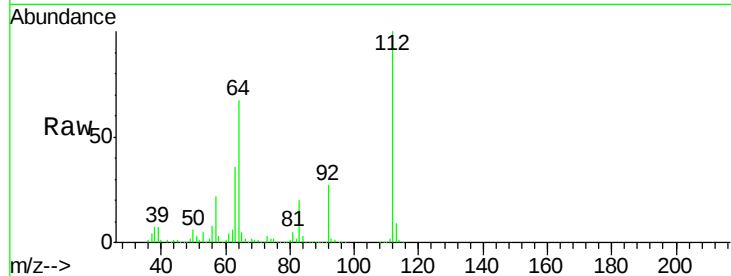
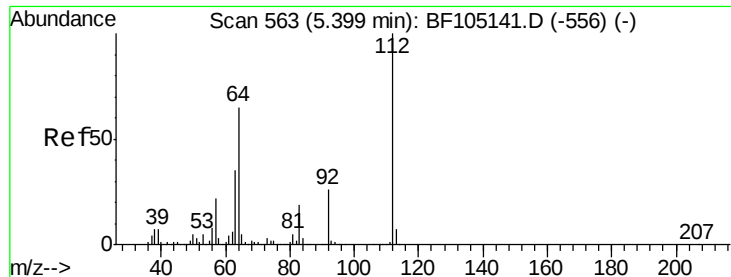
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#4
 n-Nitrosodimethylamine
 Concen: 0.778 ng
 RT: 3.20 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
42	100		
74	104.3	104.9	157.3#
44	37.1	6.9	10.3#





#5

2-Fluorophenol

Concen: 122.939 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.00 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tot Ion:	112	Resp:	1596440
Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	35.7	23.7	35.5#

Instrument :

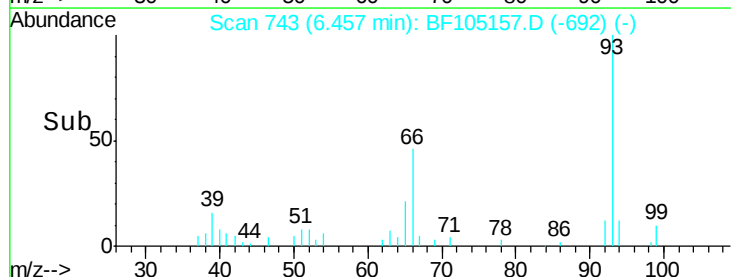
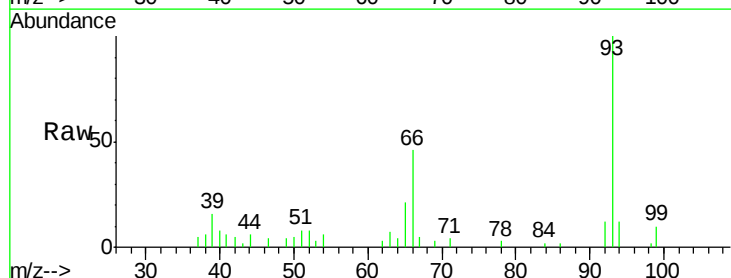
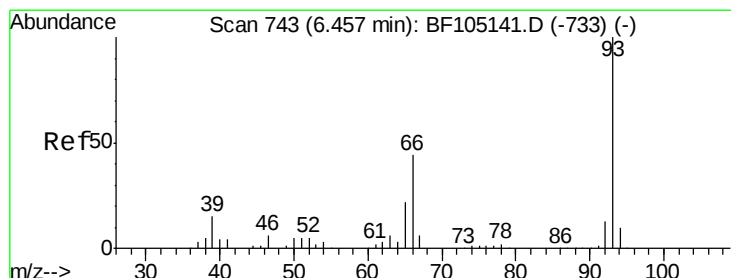
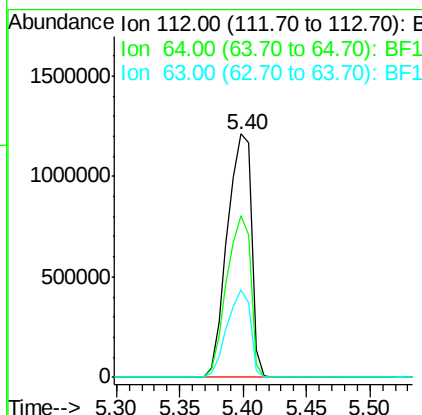
BNA_F

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MDL-SOIL-03-QT2-2018

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#6

Aniline

Concen: 0.967 ng

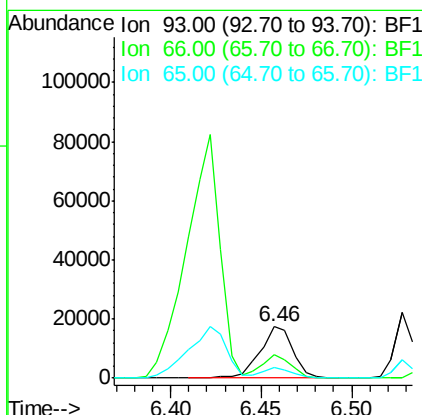
RT: 6.46 min Scan# 743

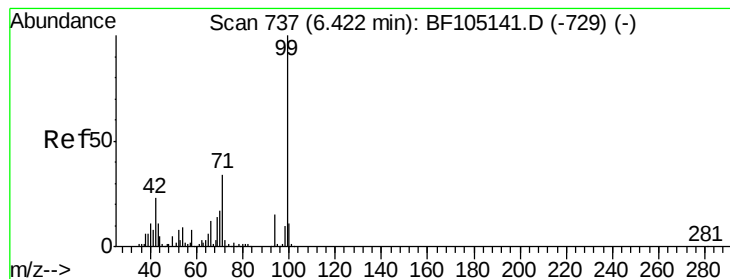
Delta R.T. -0.00 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tgt Ion:	93	Resp:	21843
Ion	Ratio	Lower	Upper
93	100		
66	46.2	32.2	48.2
65	21.1	16.4	24.6





#7

Phenol-d6

Concen: 124.240 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion: 99 Resp: 1920996

Ion Ratio Lower Upper

99 100

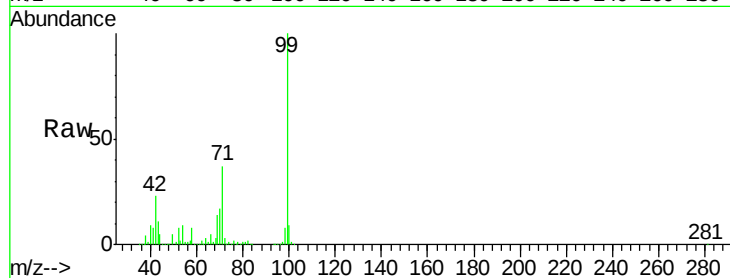
42 22.8 14.5 21.7#

71 36.7 25.4 38.0

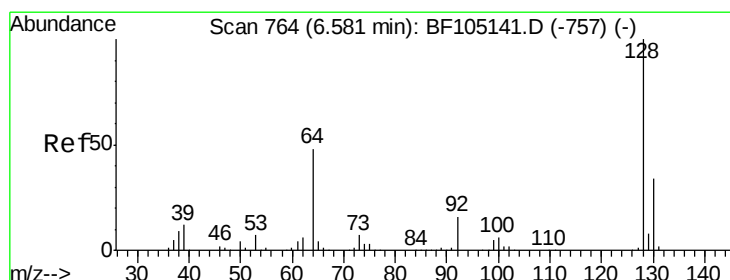
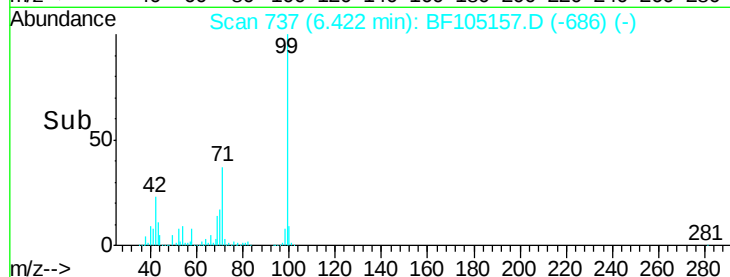
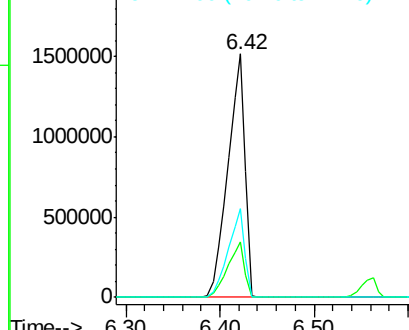
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 1.069 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

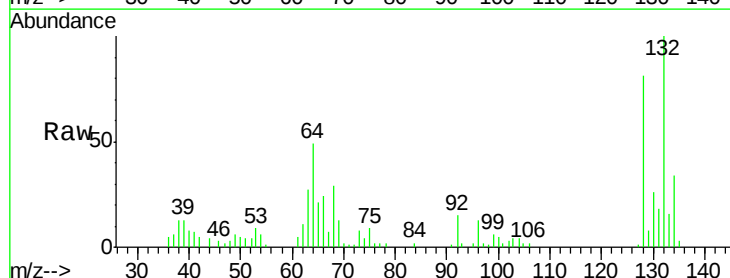
Tgt Ion:128 Resp: 14725

Ion Ratio Lower Upper

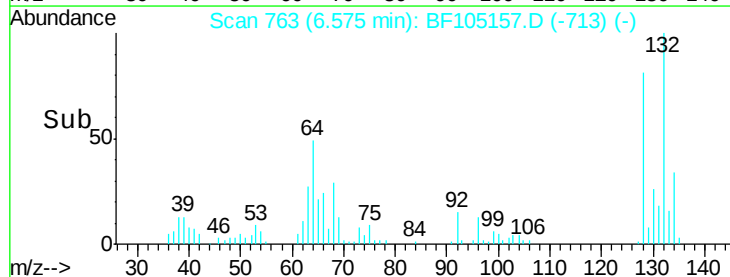
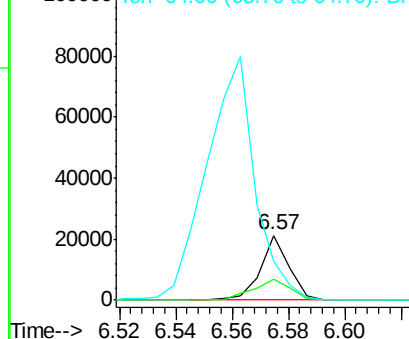
128 100

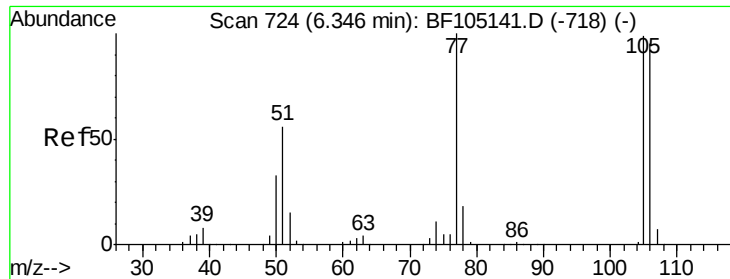
130 32.2 13.0 53.0

64 60.6 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.597 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion: 77 Resp: 7072

Ion Ratio Lower Upper

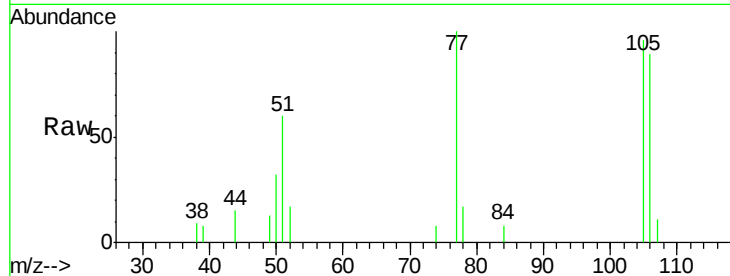
77 100

105 95.7 81.1 121.1

106 89.0 74.5 114.5

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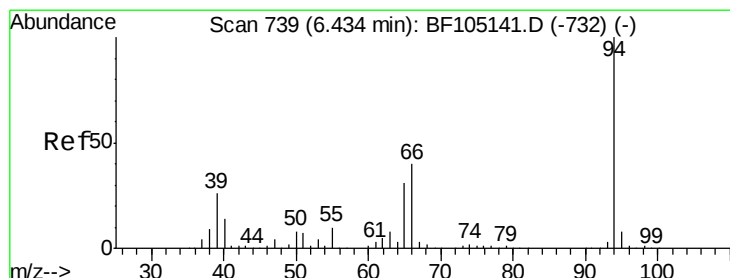
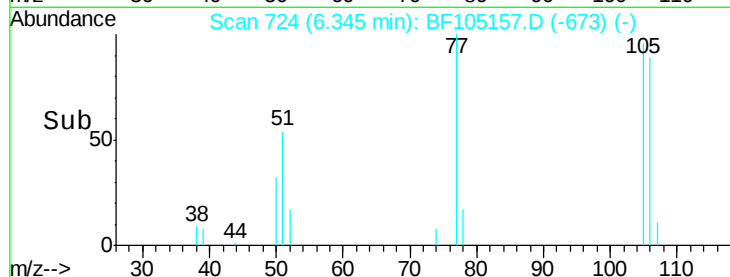
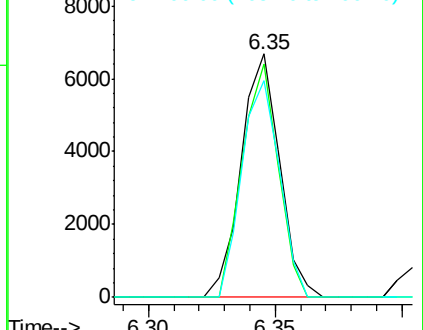
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 1.028 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

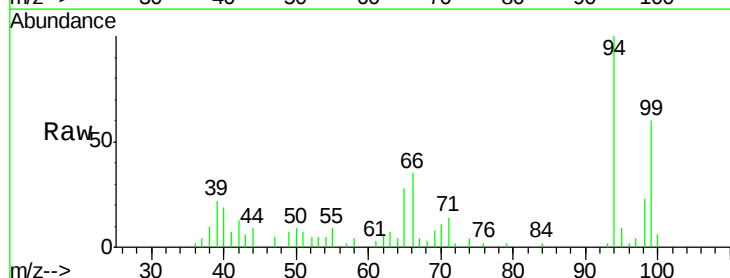
Tgt Ion: 94 Resp: 17683

Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

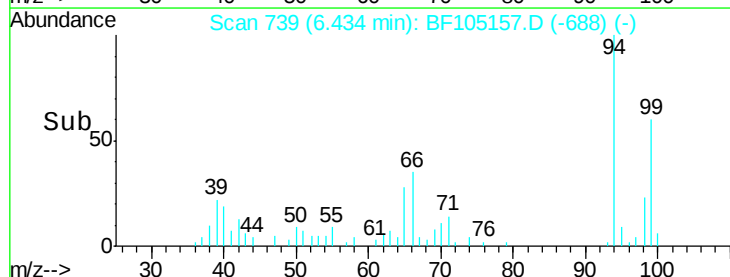
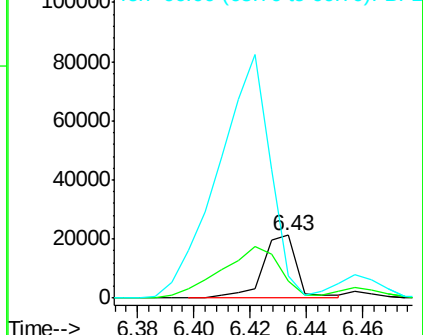
66 35.3 16.2 56.2

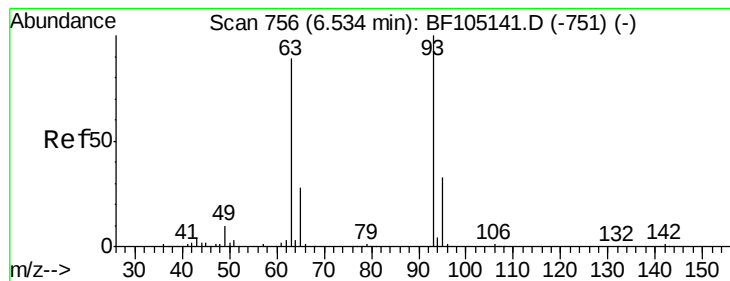


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





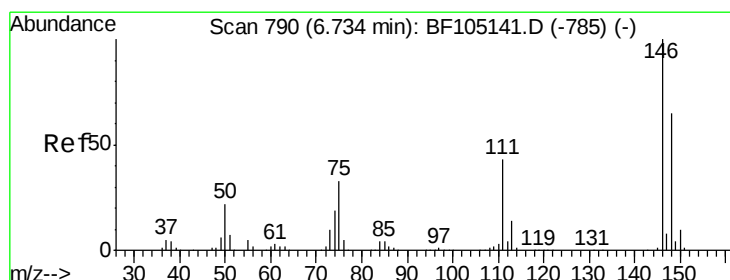
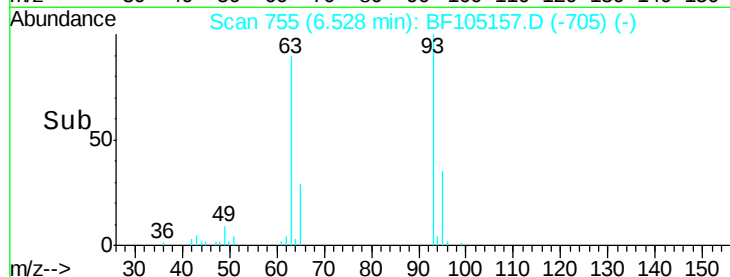
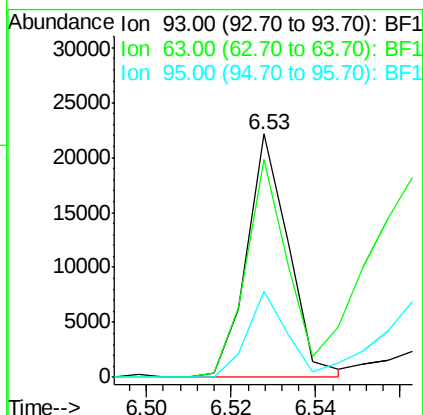
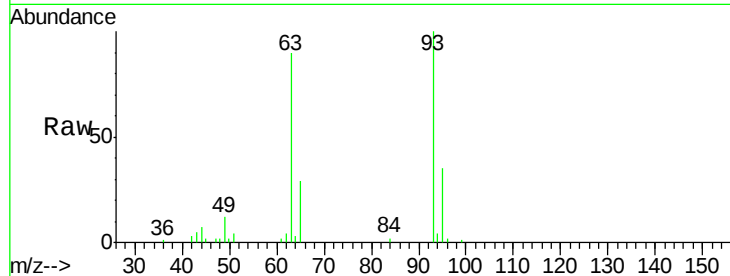
#11
bis(2-Chloroethyl)ether
Concen: 1.076 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion:	93	Resp:	15254
Ion	Ratio	Lower	Upper
93	100		
63	89.5	58.6	98.6
95	35.4	11.8	51.8

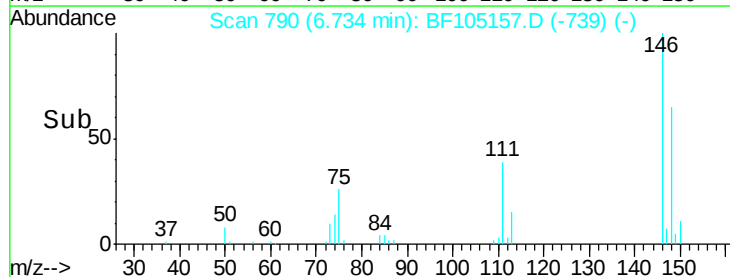
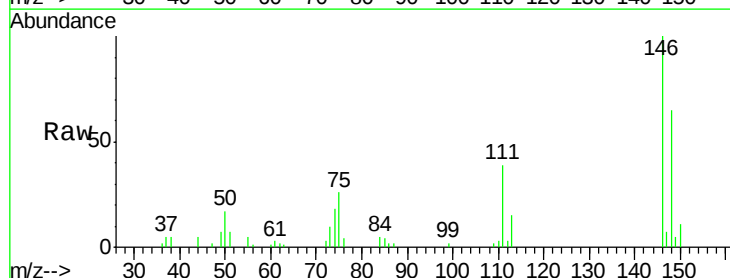
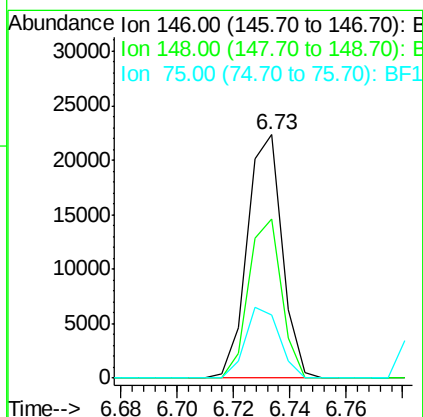
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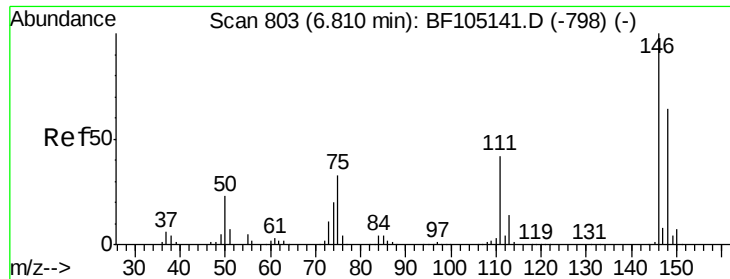
Sohil
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#12
1,3-Dichlorobenzene
Concen: 1.154 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion:	146	Resp:	19157
Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.8
75	26.0	24.2	36.4





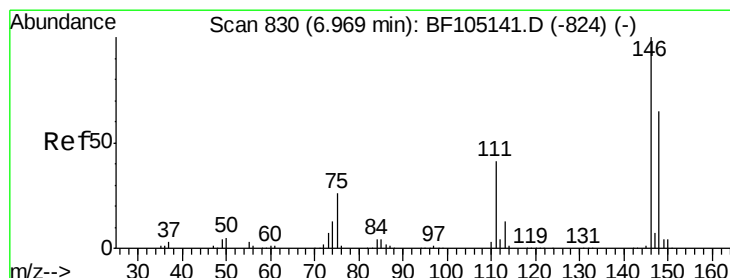
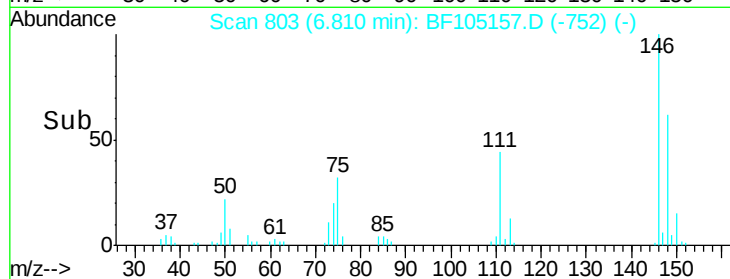
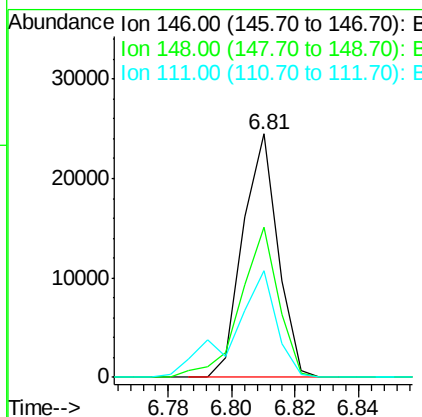
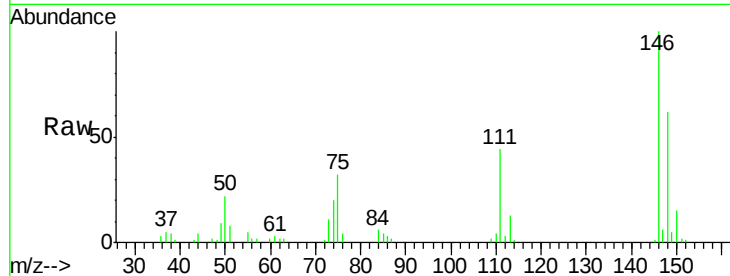
#13
 1,4-Dichlorobenzene
 Concen: 1.126 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.6	50.8	76.2
111	44.0	34.2	51.2

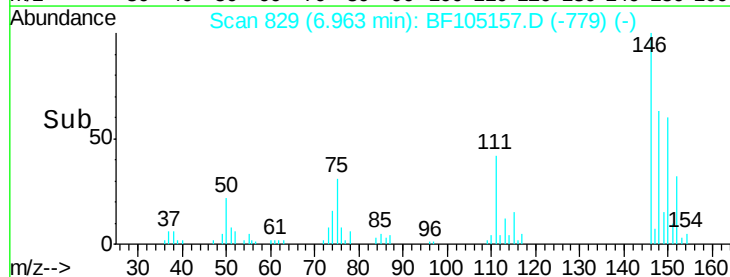
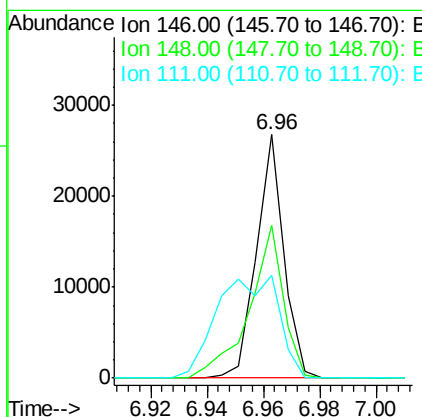
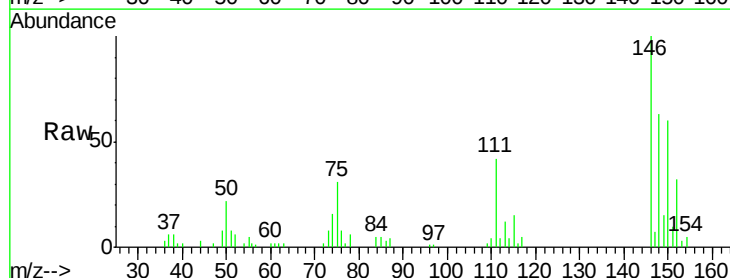
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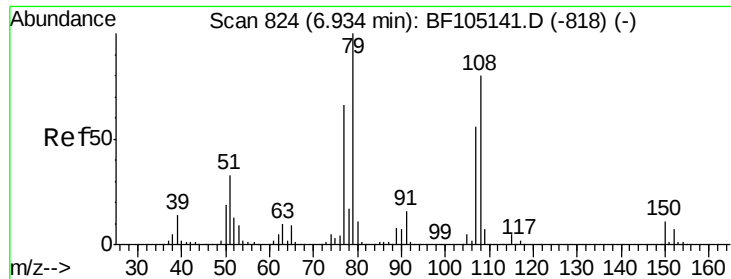
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#14
 1,2-Dichlorobenzene
 Concen: 1.176 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.6	75.8
111	42.2	36.0	54.0





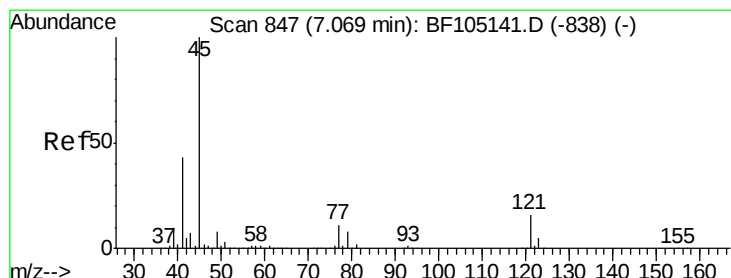
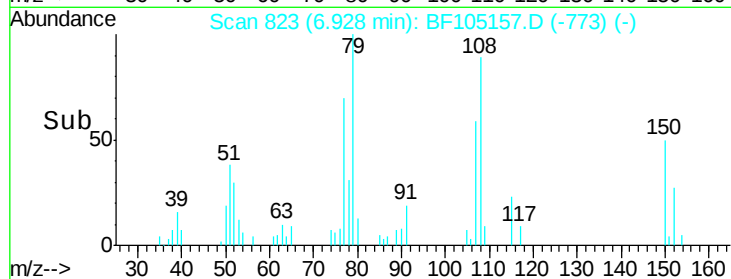
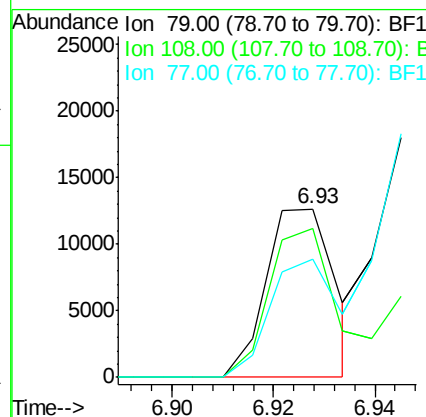
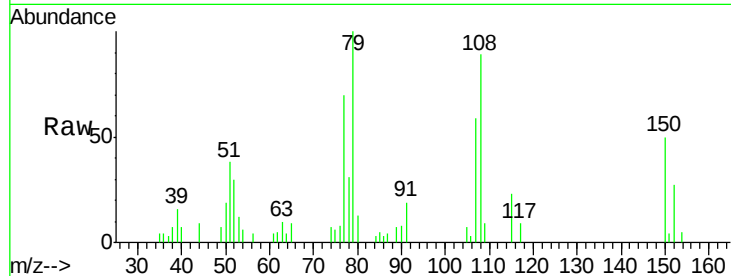
#15
Benzyl Alcohol
Concen: 1.002 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
79	100		
108	88.6	65.1	97.7
77	70.1	50.6	75.8

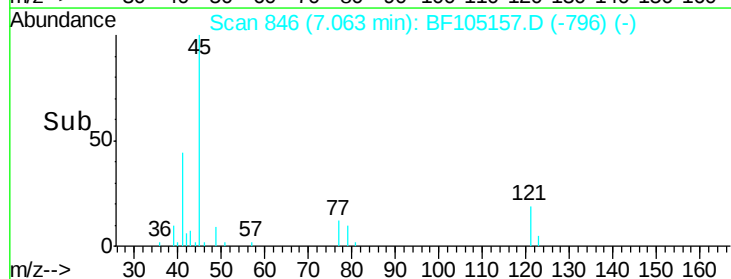
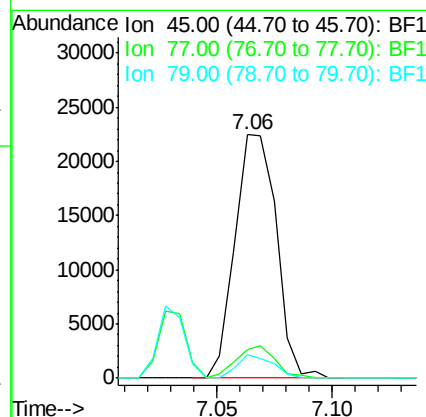
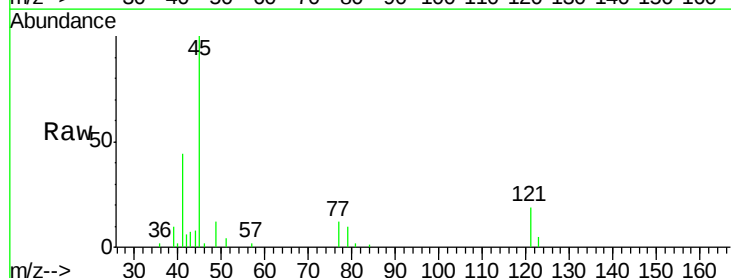
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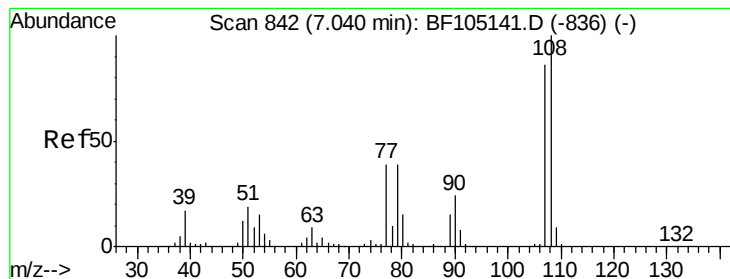
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 1.065 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
45	100		
77	11.7	0.0	32.9
79	9.6	0.0	29.6





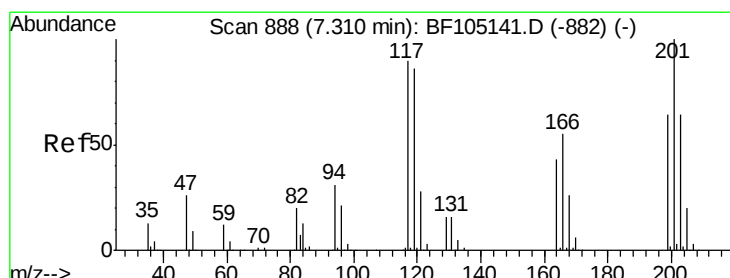
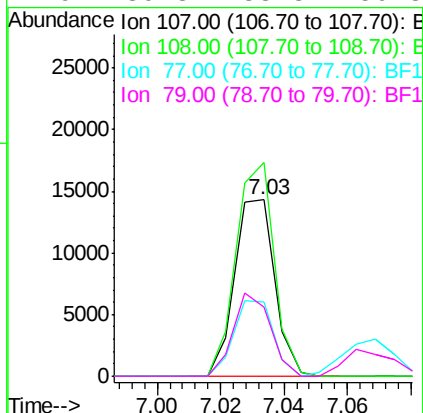
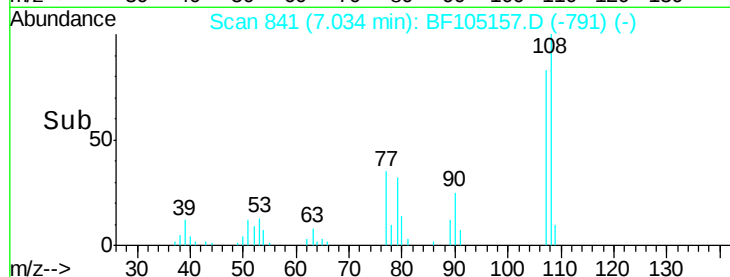
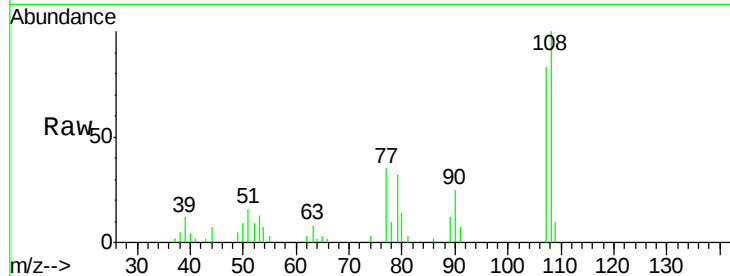
#17
2-Methylphenol
Concen: 1.056 ng
RT: 7.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion:	107	Resp:	12560
Ion Ratio	Lower	Upper	
107	100		
108	121.1	91.7	137.5
77	41.8	33.8	50.8
79	39.3	33.8	50.8

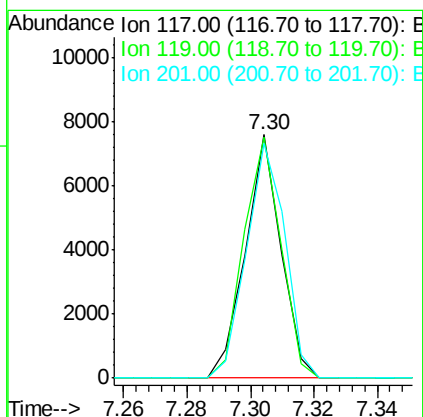
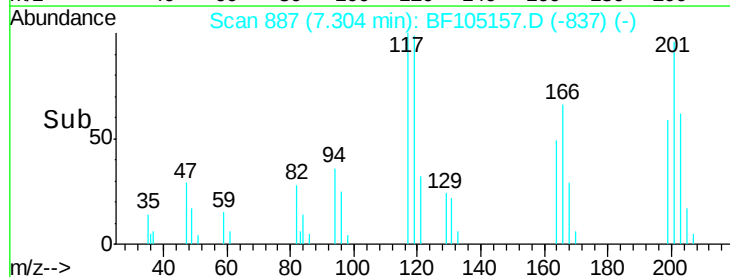
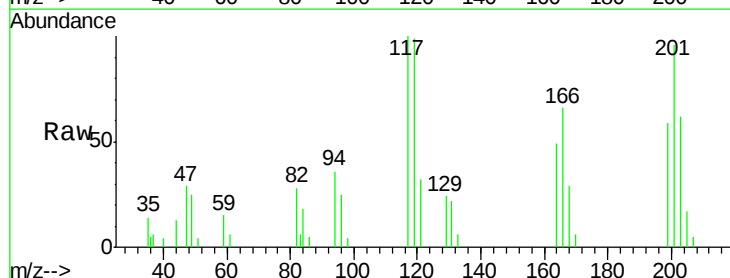
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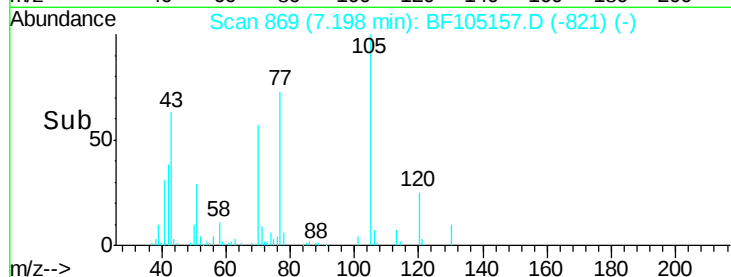
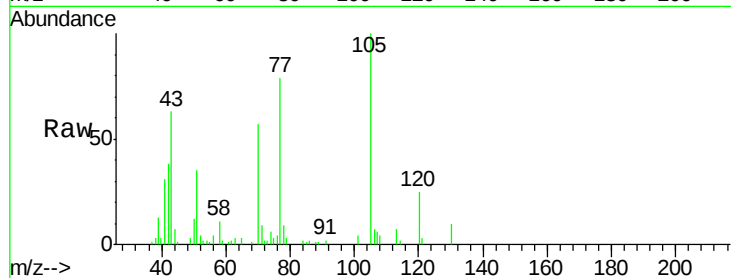
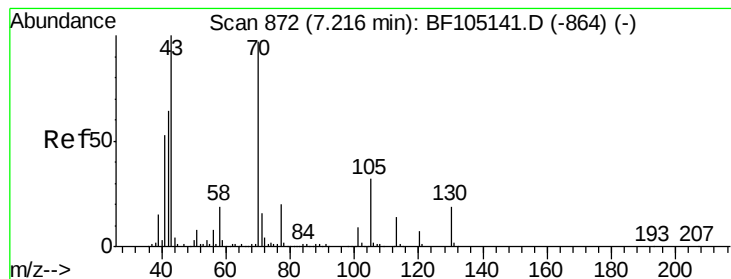
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#18
Hexachloroethane
Concen: 1.107 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion:	117	Resp:	5917
Ion Ratio	Lower	Upper	
117	100		
119	99.2	75.8	113.8
201	96.3	75.7	113.5





#19

n-Nitroso-di-n-propylamine

Concen: 1.071 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.02 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

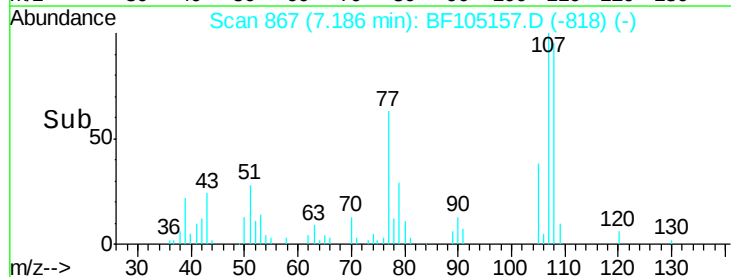
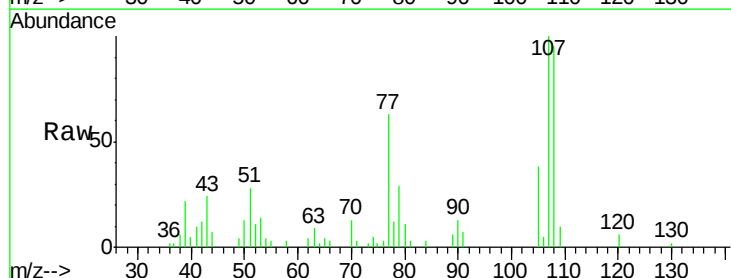
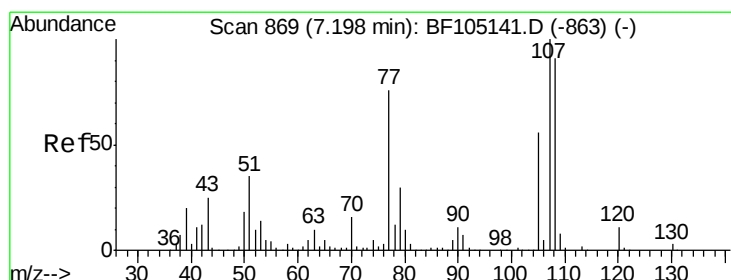
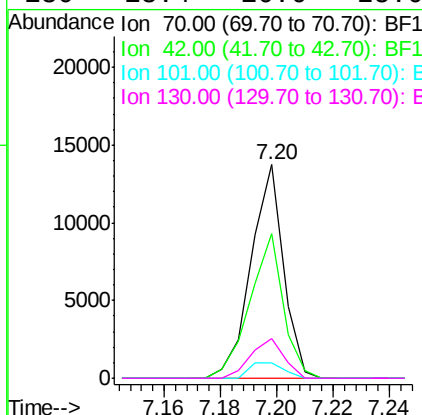
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	67.6	47.5	71.3	
101	7.1	7.4	11.2	
130	18.4	16.6	25.0	

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#20

3+4-Methylphenols

Concen: 1.165 ng

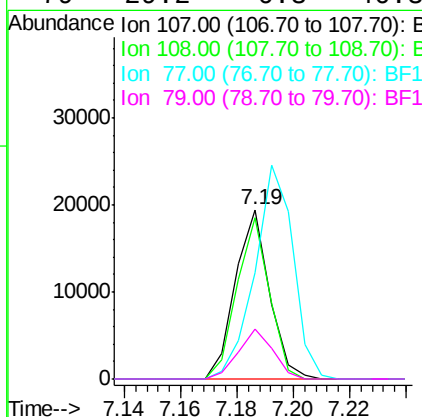
RT: 7.19 min Scan# 867

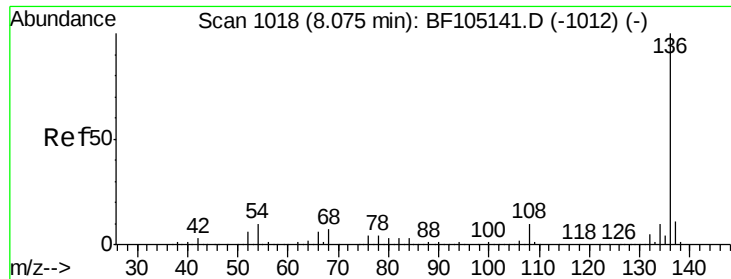
Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	94.9	68.2	108.2	
77	62.6	26.7	66.7	
79	29.2	6.3	46.3	





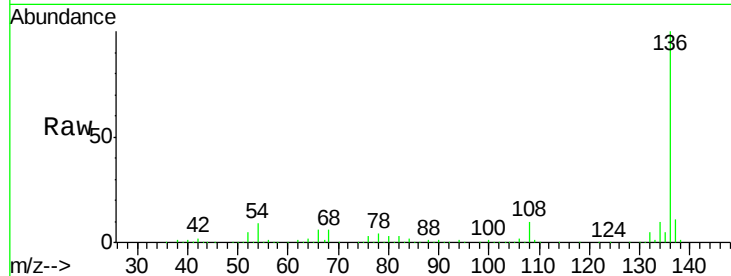
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	832307		
137	11.3		8.9	13.3
54	9.3		6.6	9.8
68	6.0		5.0	7.4

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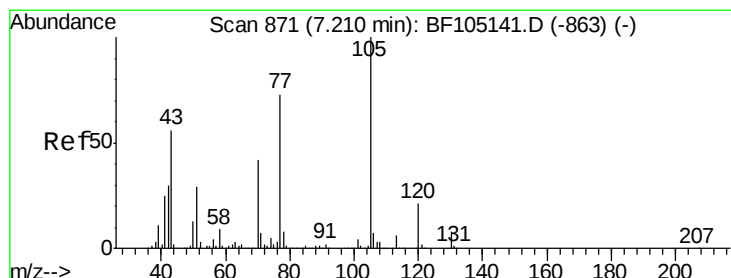
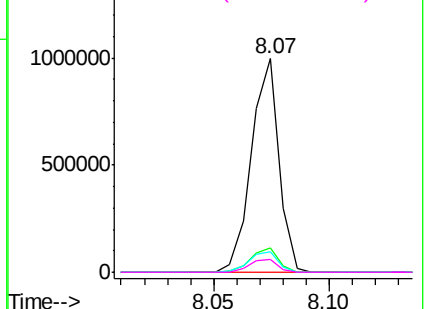
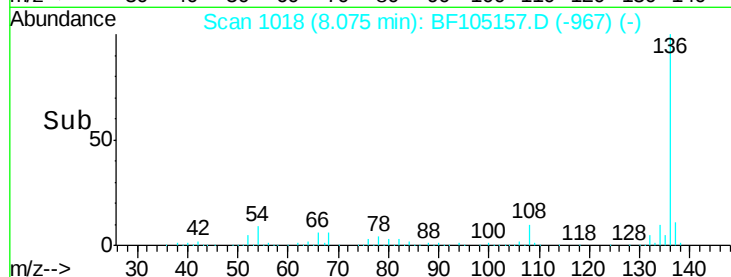
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

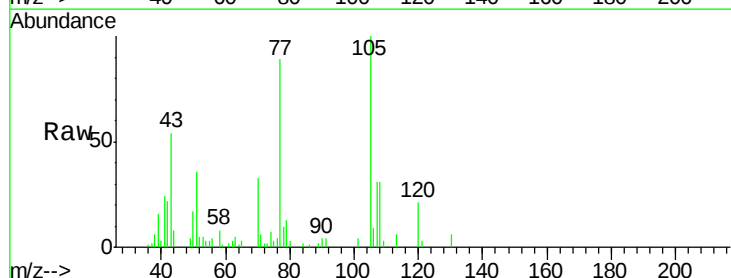
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 1.199 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	23266		
71	6.4		4.4	6.6
51	36.0		22.3	33.5#
120	20.5		16.9	25.3



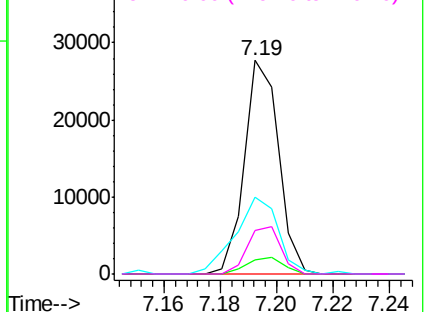
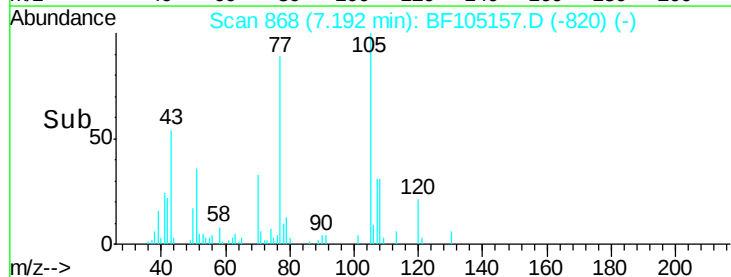
Abundance

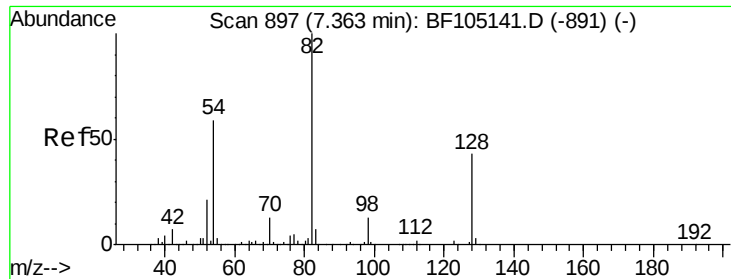
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





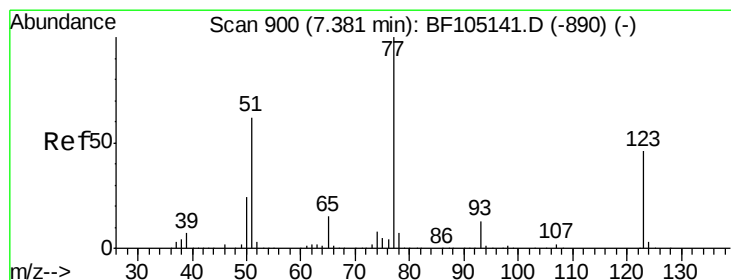
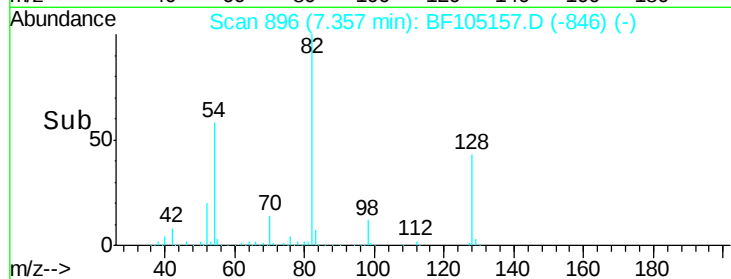
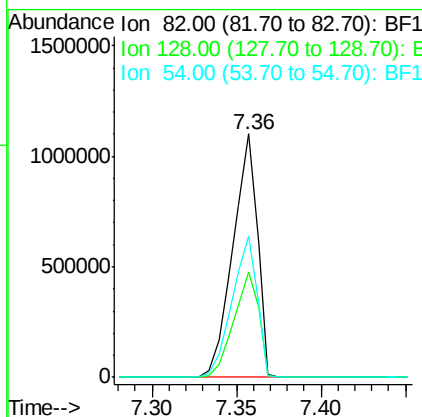
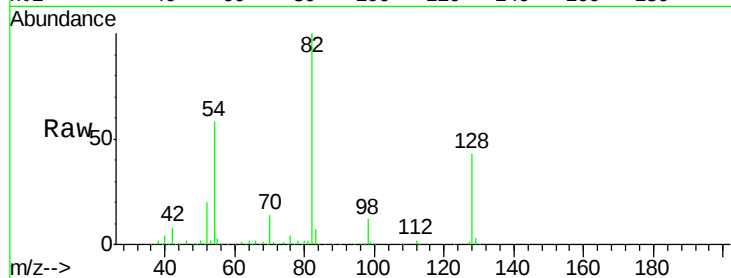
#23
Nitrobenzene-d5
Concen: 90.065 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	58.2	41.4	62.2

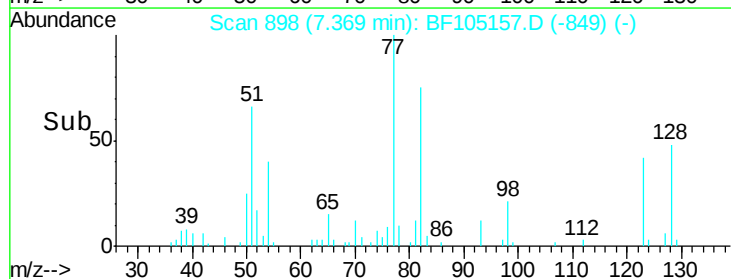
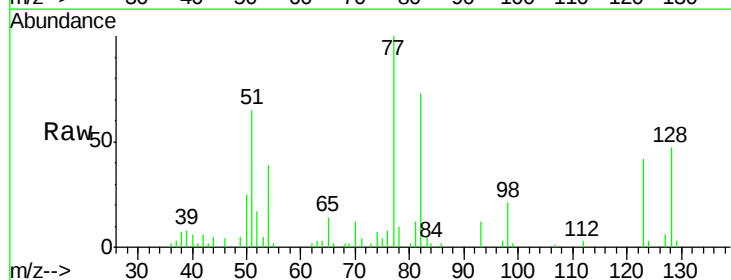
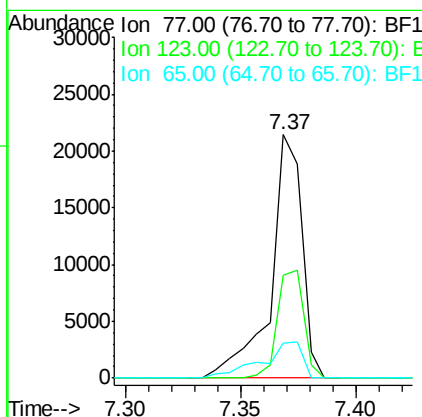
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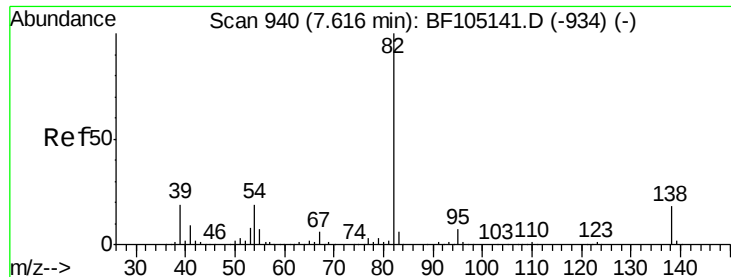
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#24
Nitrobenzene
Concen: 1.429 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.3	37.9	56.9
65	14.4	11.0	16.4





#25

Isophorone

Concen: 0.963 ng/mL

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

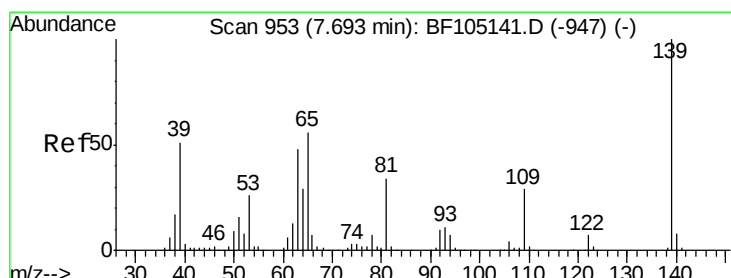
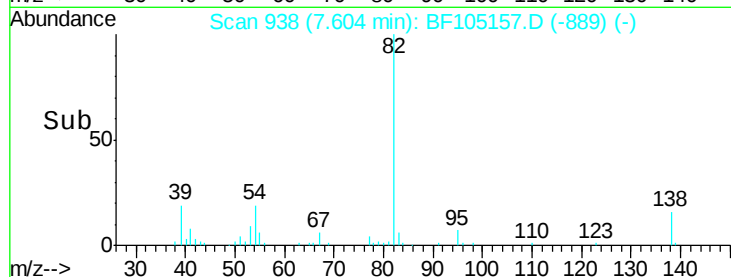
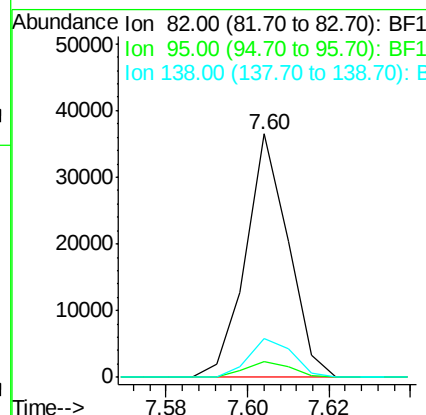
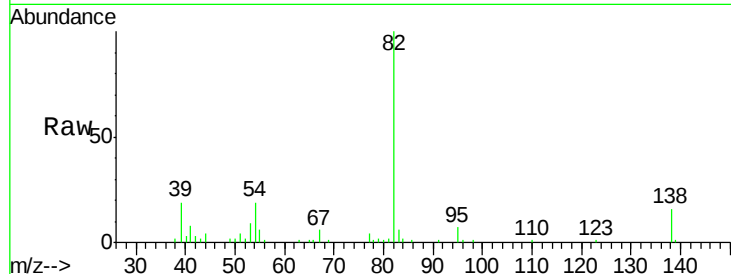
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	82	Resp:	26456
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.2	7.8
138	16.0	14.9	22.3

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#26

2-Nitrophenol

Concen: 10.582 ng/mL

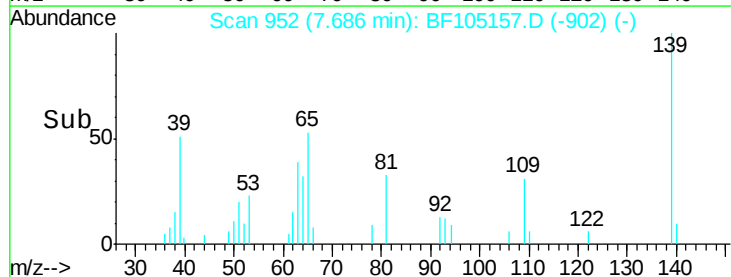
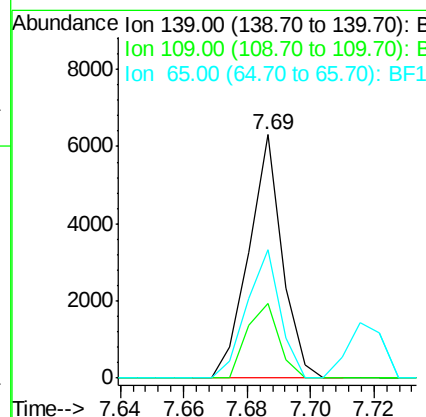
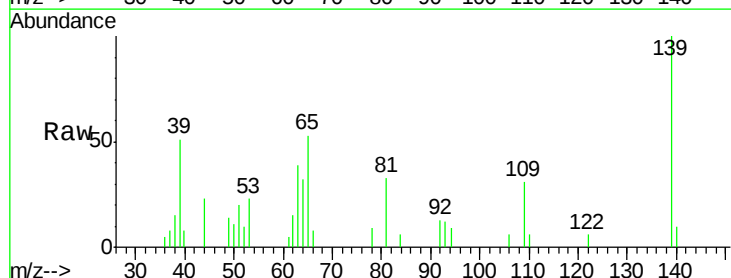
RT: 7.69 min Scan# 952

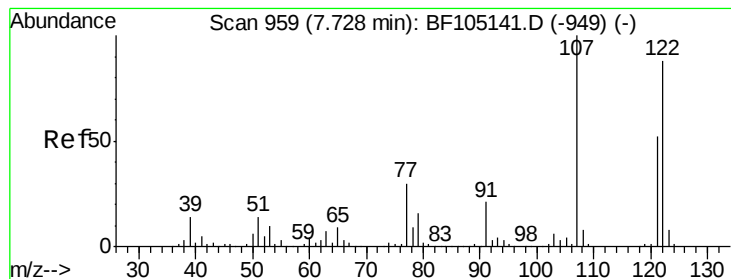
Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tgt Ion:	139	Resp:	4610
Ion Ratio	Lower	Upper	
139	100		
109	30.7	22.7	34.1
65	53.0	40.5	60.7





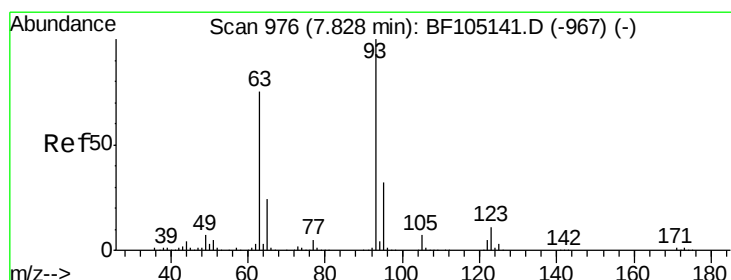
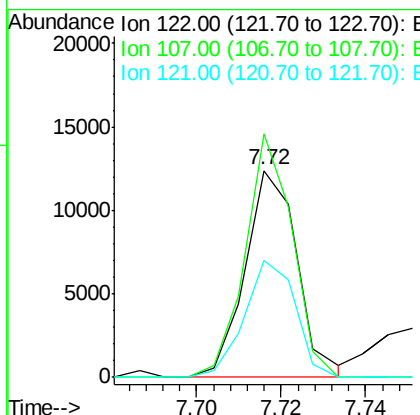
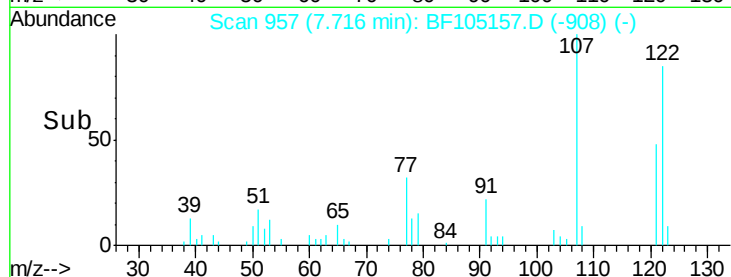
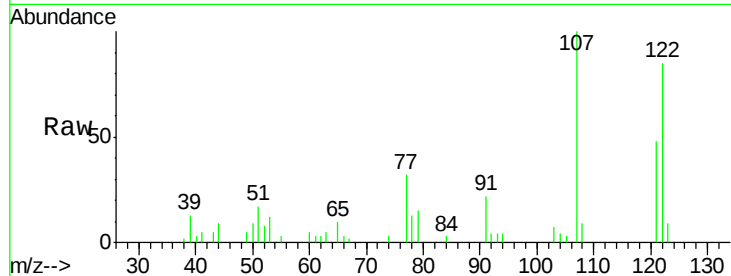
#27
 2,4-Dimethylphenol
 Concen: 0.875 ng
 RT: 7.72 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.6	91.2	136.8
121	56.6	47.2	70.8

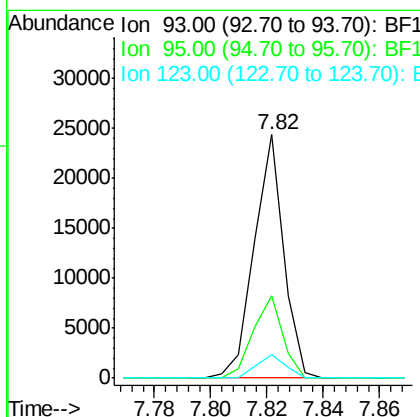
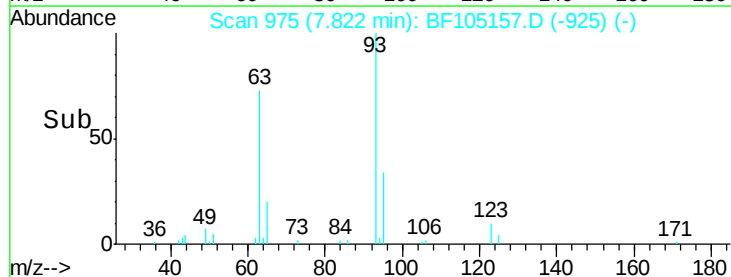
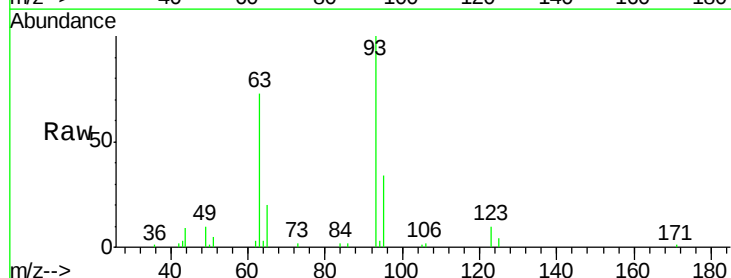
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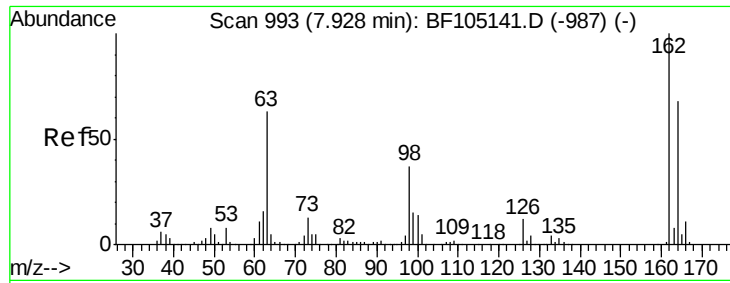
Sohil
 5/9/2018 6:50:58 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 1.041 ng
 RT: 7.82 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.8	26.3	39.5
123	9.7	9.8	14.6#





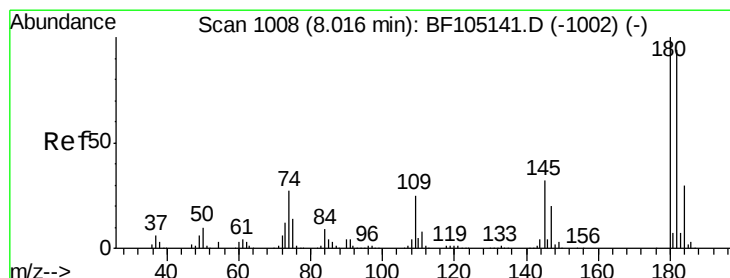
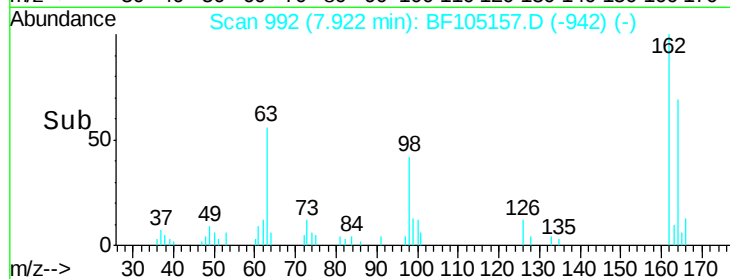
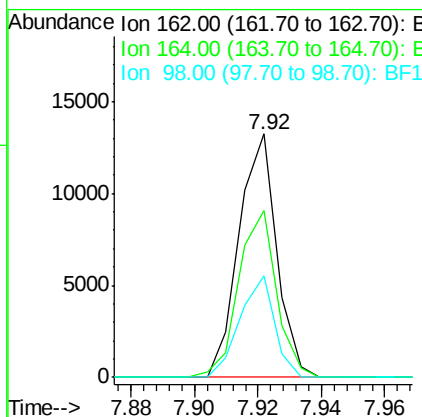
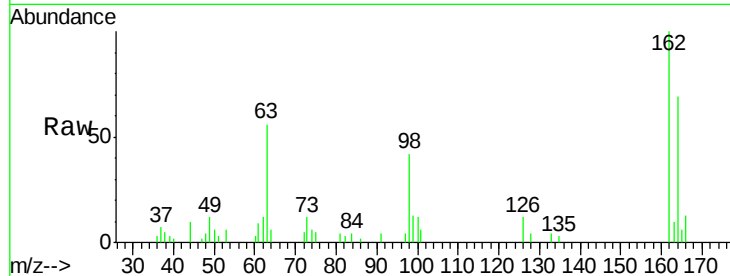
#29
2,4-Dichlorophenol
Concen: 0.952 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion:	162	Resp:	10872
Ion Ratio	Lower	Upper	
162	100		
164	68.6	42.7	82.7
98	41.7	18.1	58.1

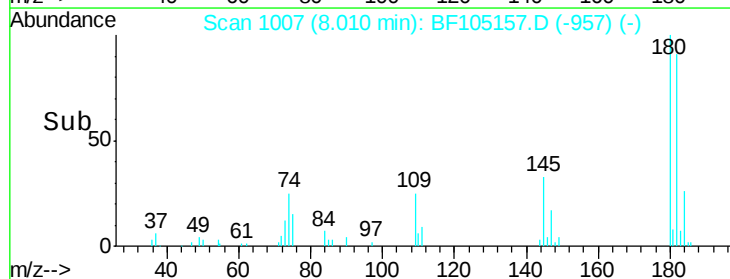
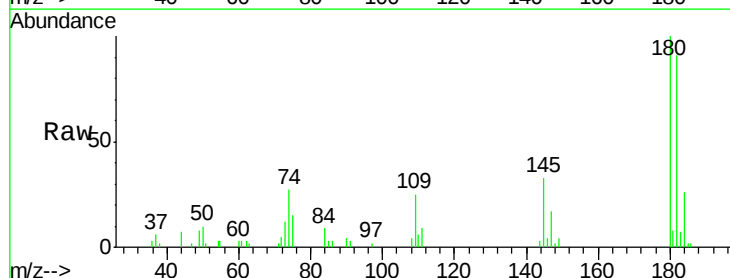
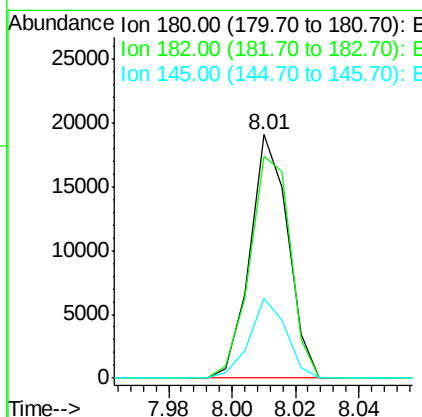
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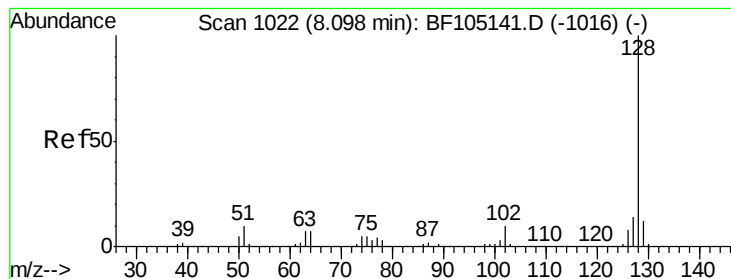
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 1.202 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion:	180	Resp:	15826
Ion Ratio	Lower	Upper	
180	100		
182	91.3	76.8	115.2
145	32.7	26.5	39.7





#31

Naphthalene

Concen: 1.190 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

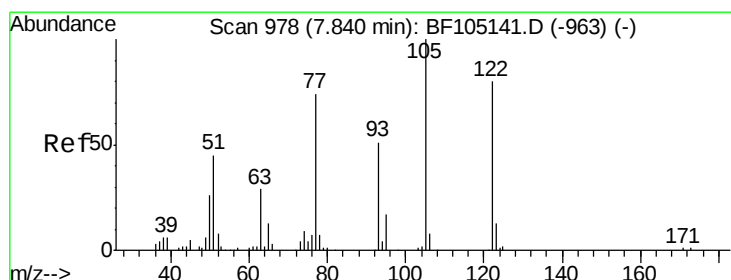
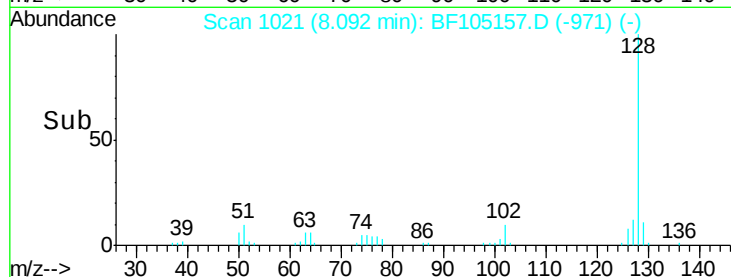
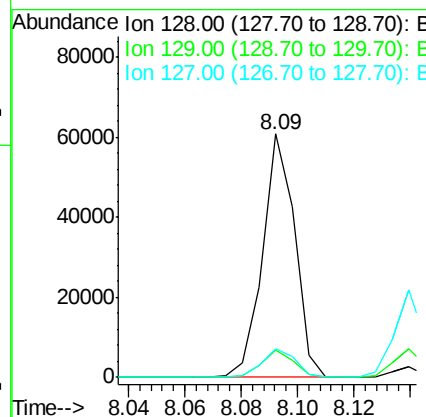
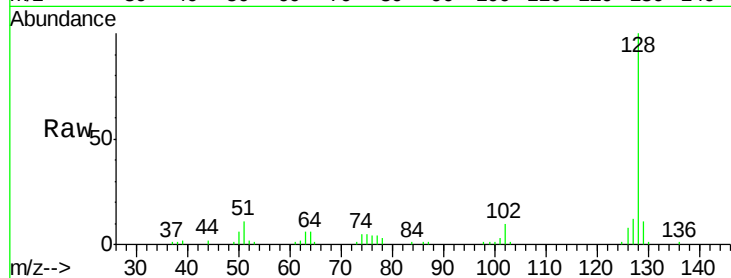
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	128	Resp:	47705
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	11.8	10.9	16.3

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#32

Benzoic acid

Concen: 9.621 ng

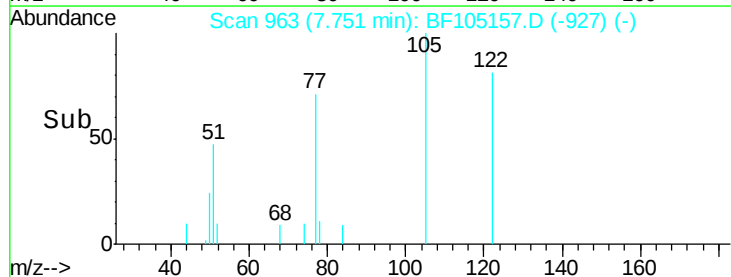
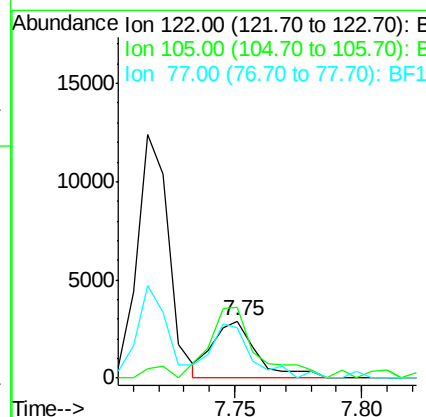
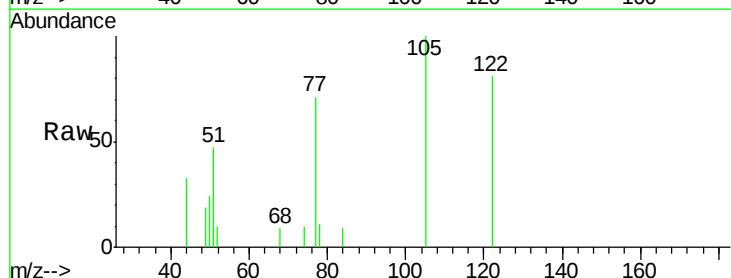
RT: 7.75 min Scan# 963

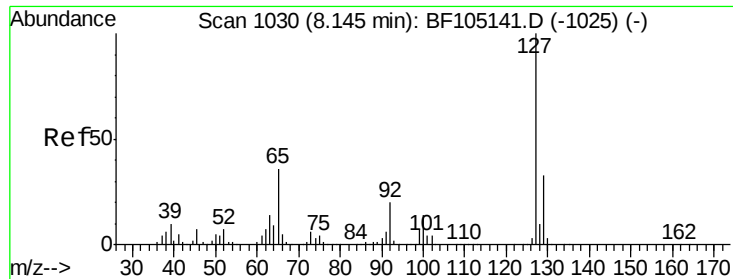
Delta R.T. -0.09 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tgt Ion:	122	Resp:	3516
Ion Ratio	Lower	Upper	
122	100		
105	123.8	101.1	141.1
77	87.4	70.7	110.7





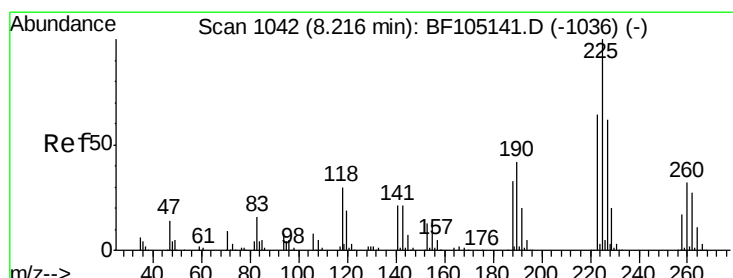
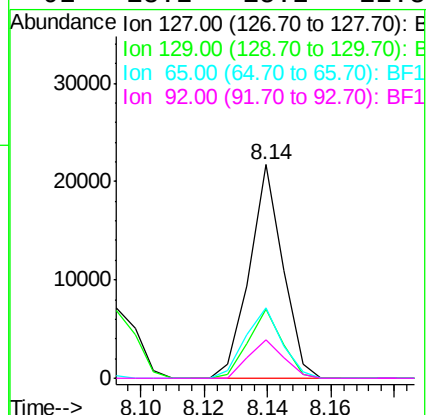
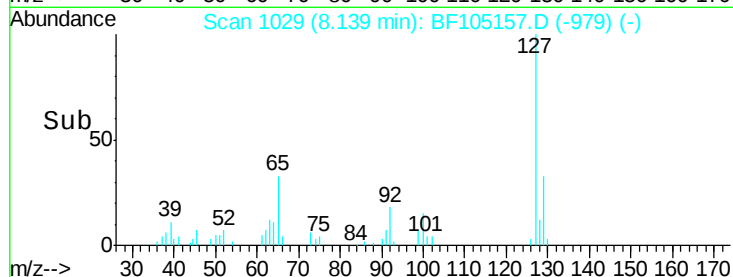
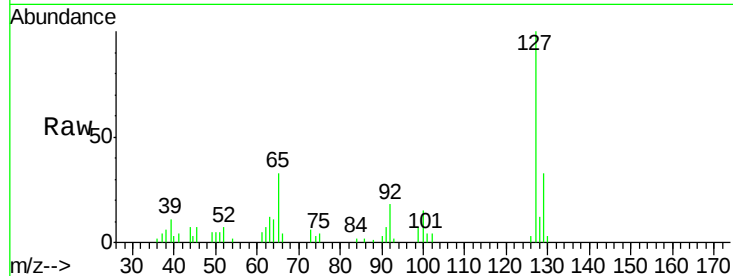
#33
4-Chloroaniline
Concen: 0.953 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.5	25.9	38.9	
65	33.1	25.0	37.4	
92	18.2	15.2	22.8	

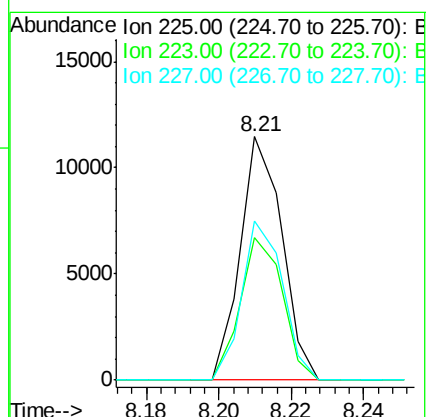
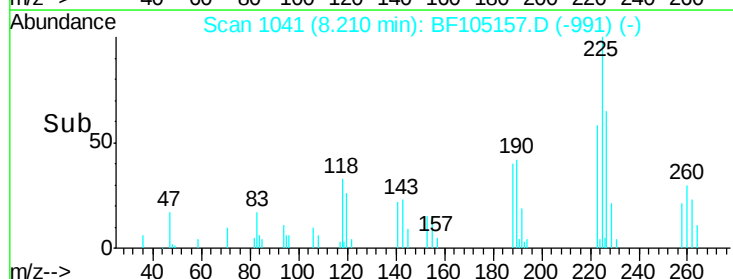
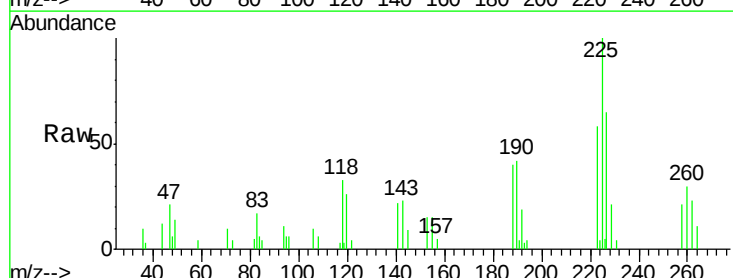
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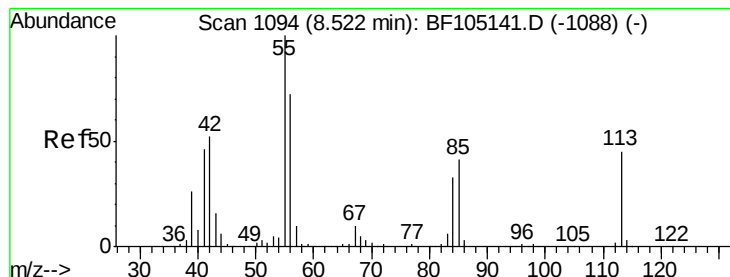
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#34
Hexachlorobutadiene
Concen: 1.202 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	58.5	50.6	76.0	
227	65.3	51.9	77.9	





#35

Caprolactam

Concen: 0.698 ng

RT: 8.46 min Scan# 1083

Delta R.T. -0.06 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

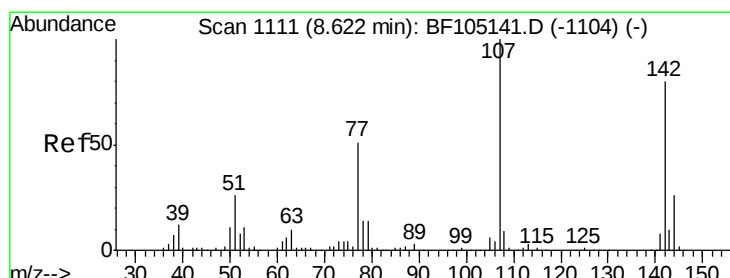
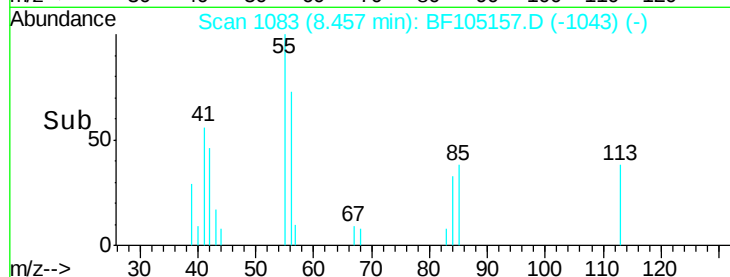
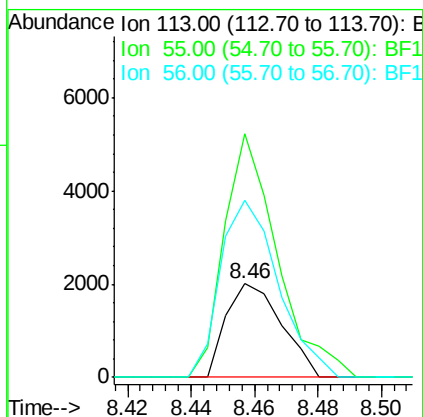
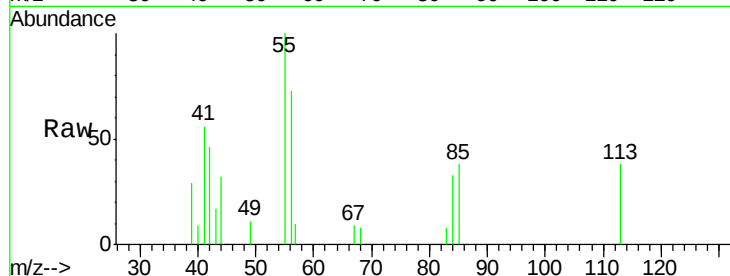
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	113	Resp:	2422
Ion Ratio	Lower	Upper	
113	100		
55	261.0	163.3	203.3#
56	189.3	115.7	155.7#

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#36

4-Chloro-3-methylphenol

Concen: 0.896 ng

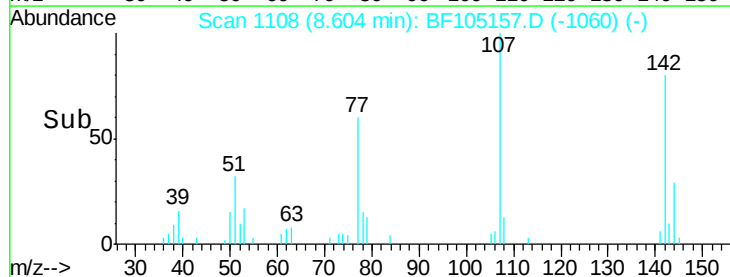
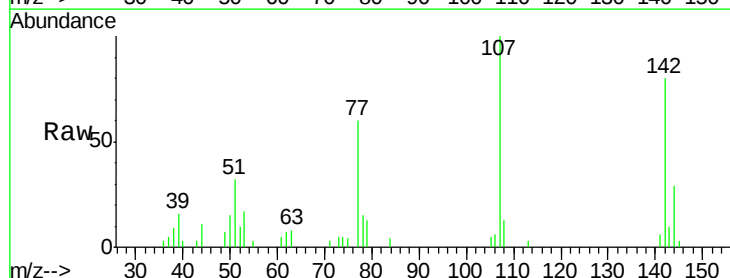
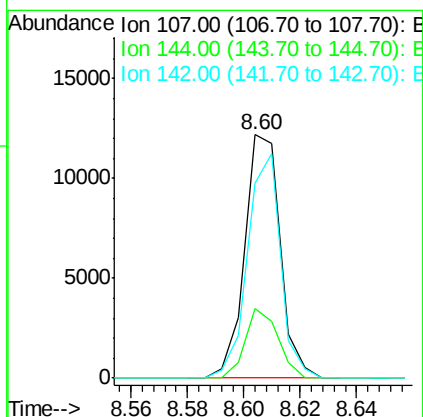
RT: 8.60 min Scan# 1108

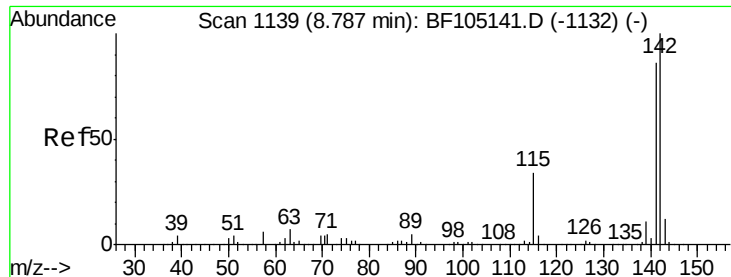
Delta R.T. -0.02 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tgt Ion:	107	Resp:	10654
Ion Ratio	Lower	Upper	
107	100		
144	28.6	20.5	30.7
142	80.3	62.0	93.0





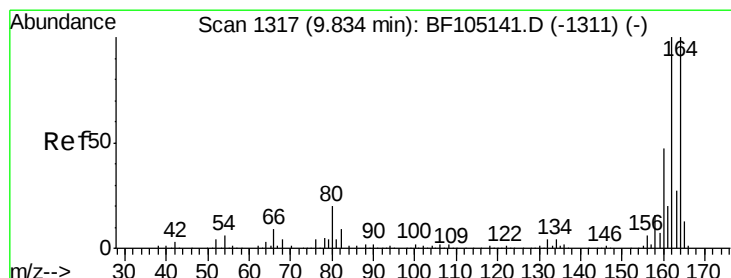
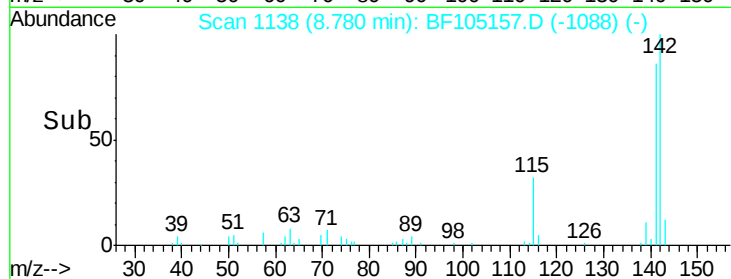
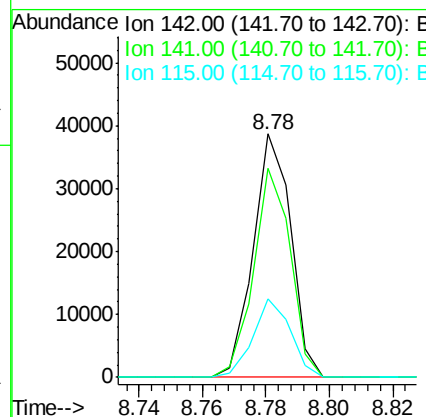
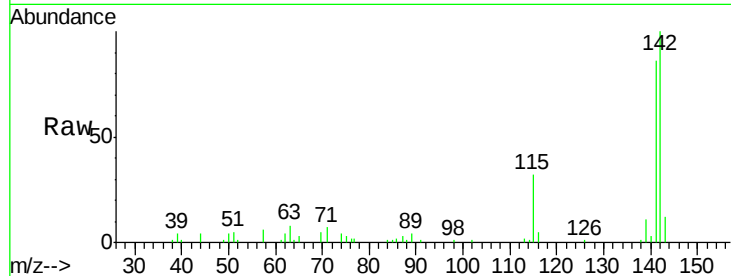
#37
2-Methylnaphthalene
Concen: 1.140 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.8	106.2
115	32.5	26.1	39.1

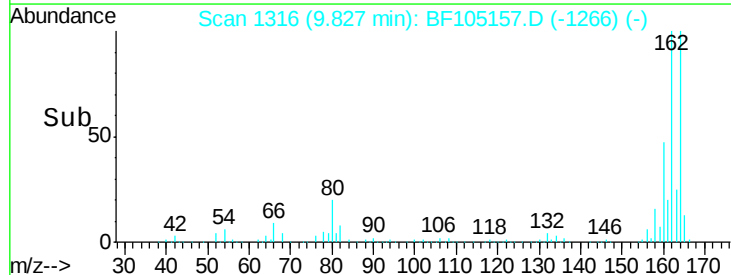
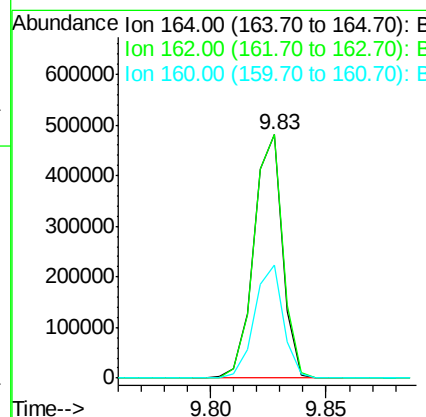
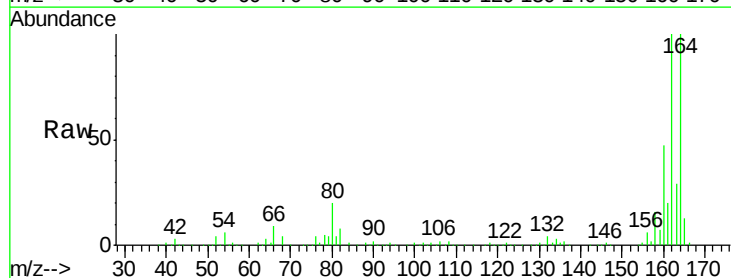
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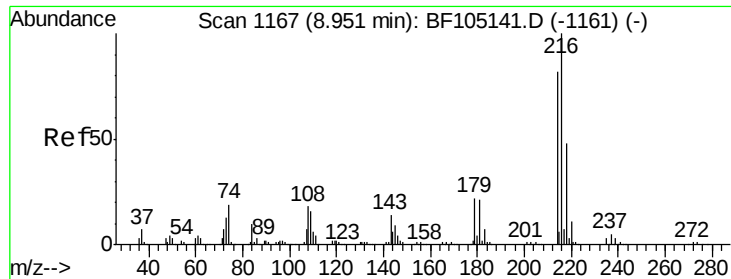
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	86.1	129.1
160	46.6	38.3	57.5





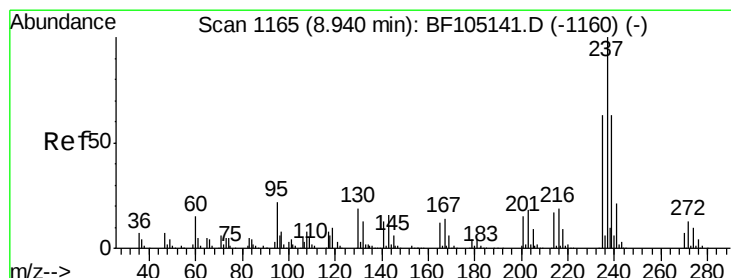
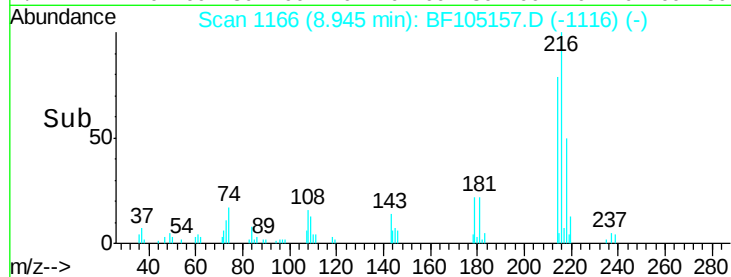
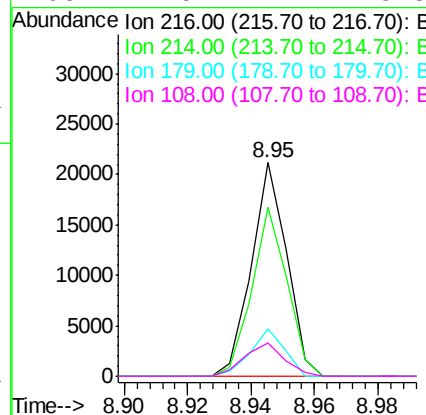
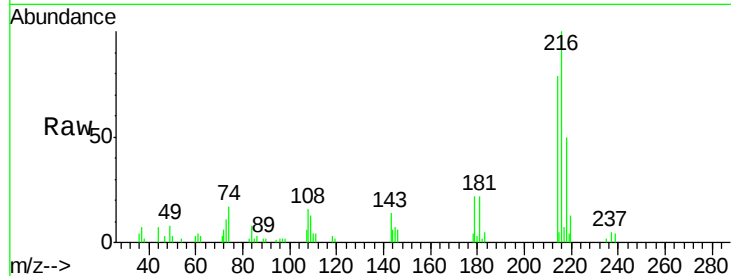
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.231 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

Tot Ion:	216	Resp:	16308
Ion Ratio	Lower	Upper	
216	100		
214	78.5	63.0	94.4
179	21.5	18.1	27.1
108	17.5	17.2	25.8

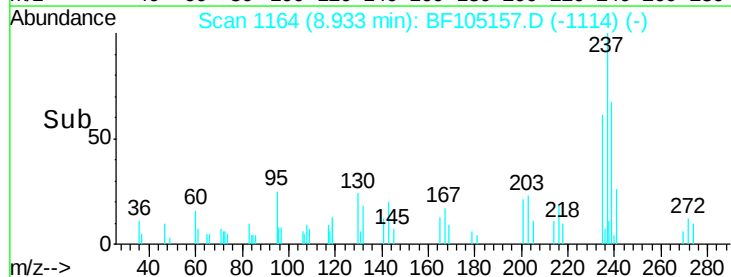
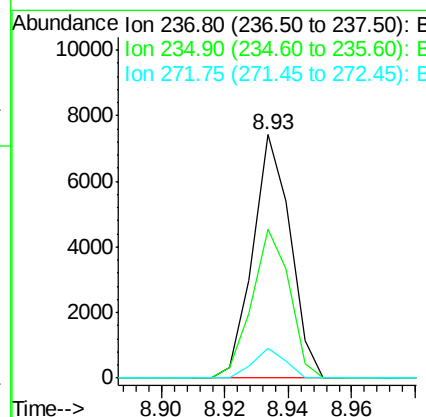
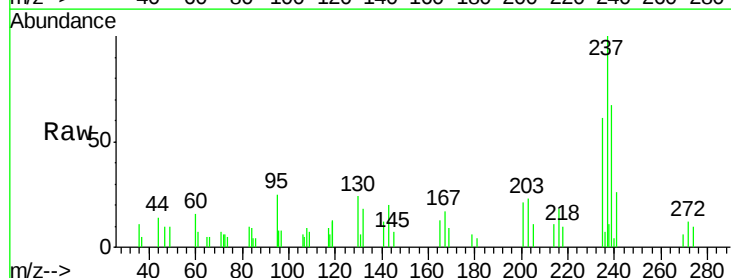
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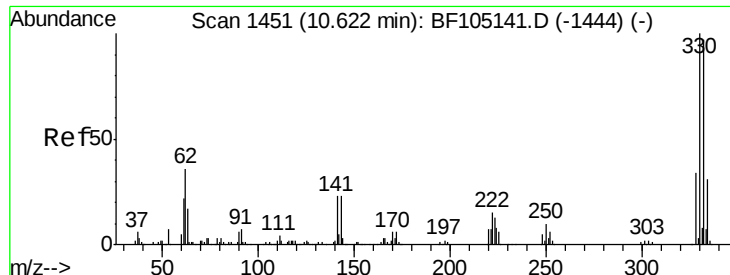
Sohil
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#40
 Hexachlorocyclopentadiene
 Concen: 0.849 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion:	237	Resp:	6083
Ion Ratio	Lower	Upper	
237	100		
235	61.4	44.8	84.8
272	12.3	0.0	33.3





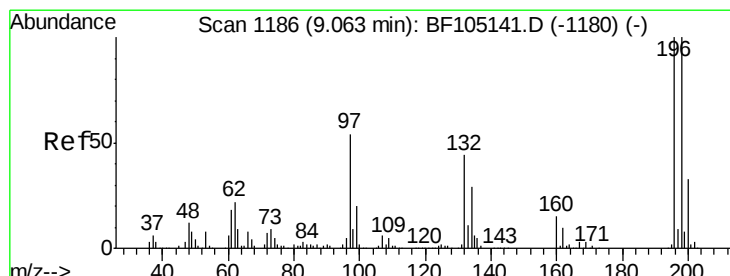
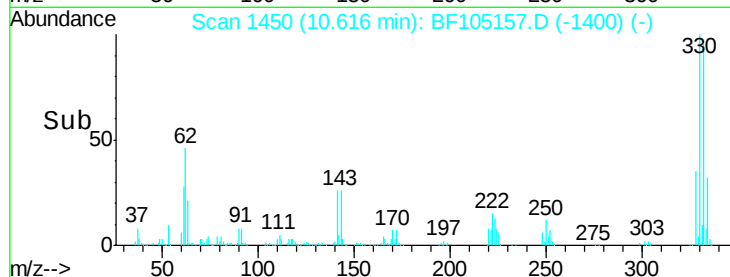
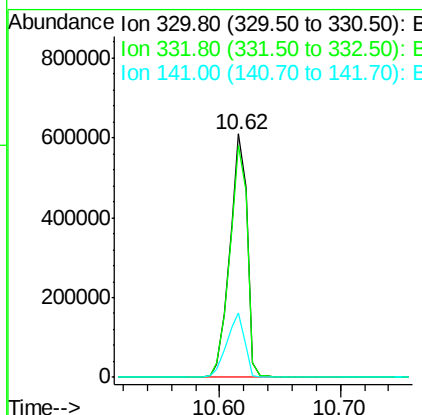
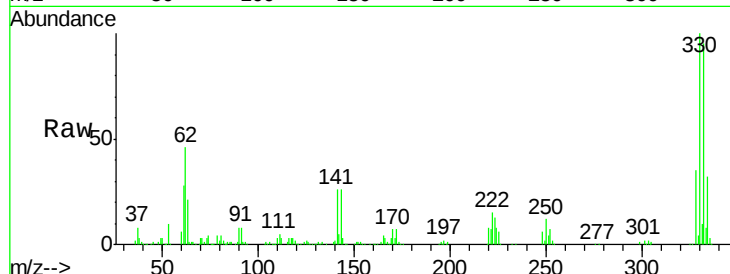
#41
 2,4,6-Tribromophenol
 Concen: 132.645 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.0	115.6	
141	26.8	29.9	44.9	

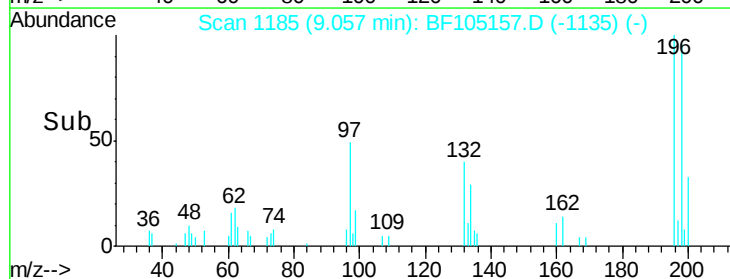
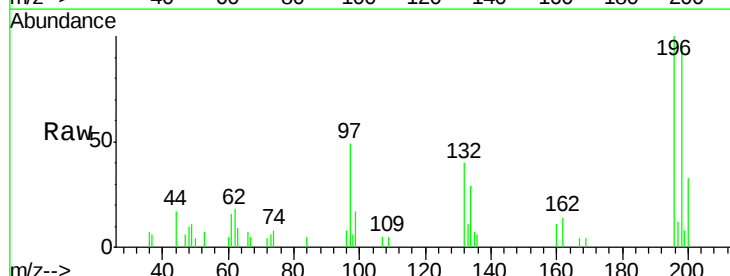
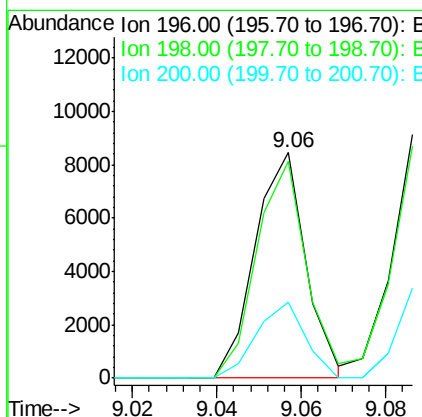
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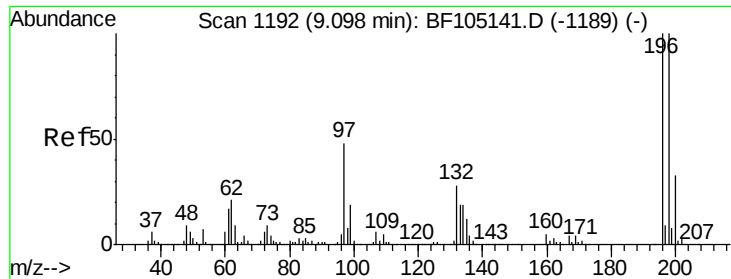
Sohil
 5/9/2018 6:50:58 PM



#42
 2,4,6-Trichlorophenol
 Concen: 0.879 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.0	75.7	113.5	
200	33.5	24.5	36.7	





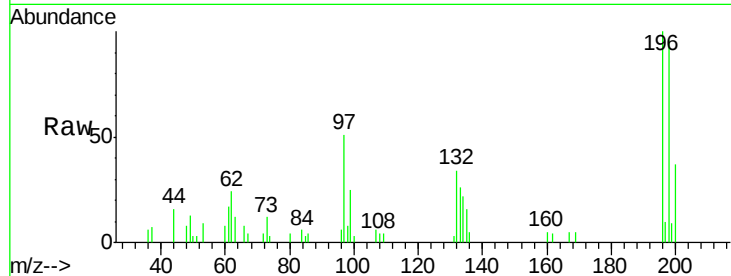
#43
 2,4,5-Trichlorophenol
 Concen: 0.930 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

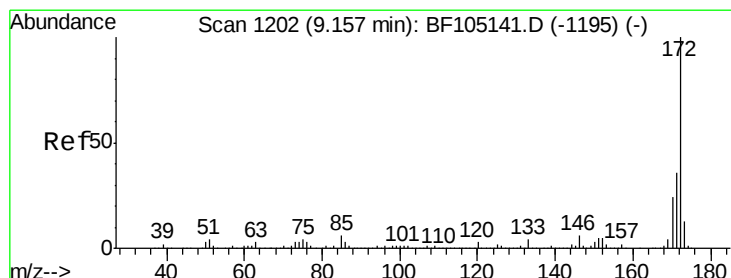
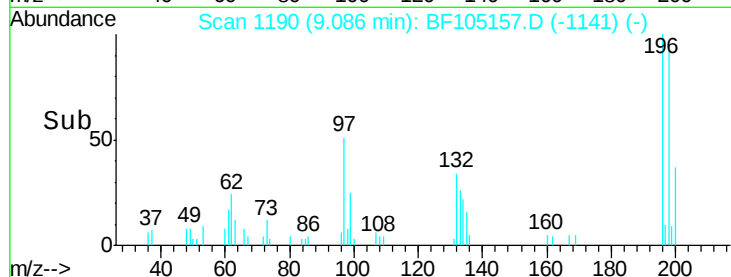
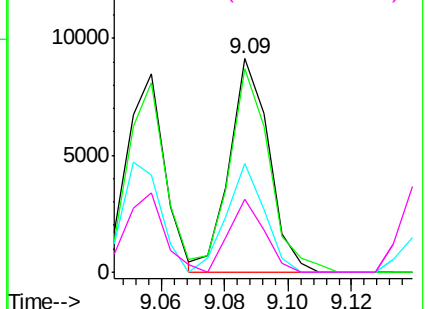
Tot Ion:	196	Resp:	7852
Ion Ratio	Lower	Upper	
196	100		
198	95.5	74.6	112.0
97	51.1	42.9	64.3
132	34.3	26.3	39.5

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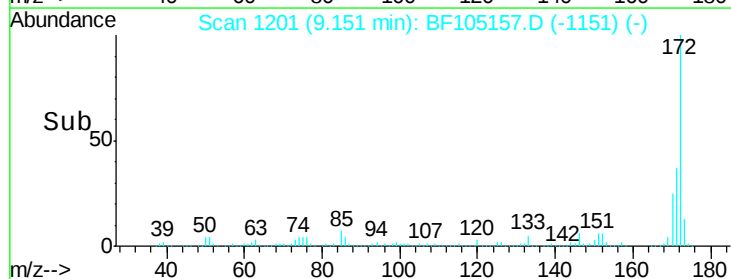
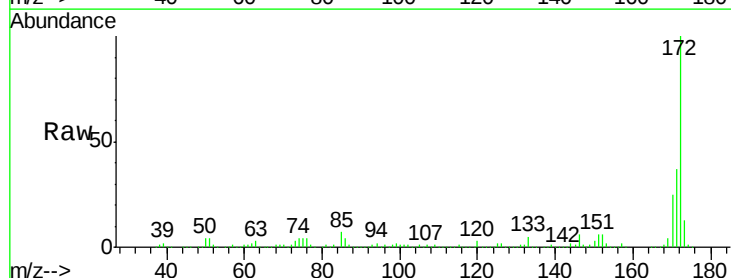
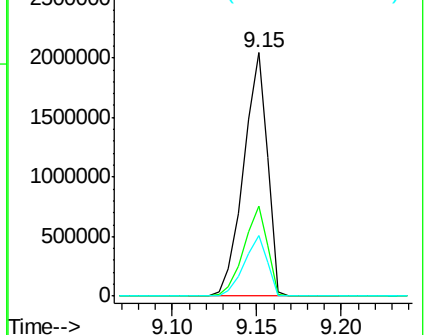
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

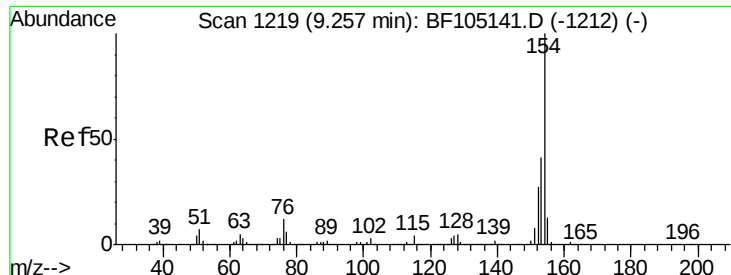


#44
 2-Fluorobiphenyl
 Concen: 74.863 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion:	172	Resp:	2007875
Ion Ratio	Lower	Upper	
172	100		
171	37.1	29.7	44.5
170	24.7	19.6	29.4

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





#45

1,1'-Biphenyl

Concen: 1.465 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

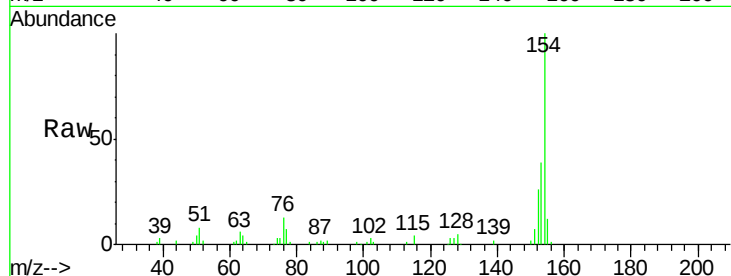
ClientSampleId :

MDL-SOIL-03-QT2-2018

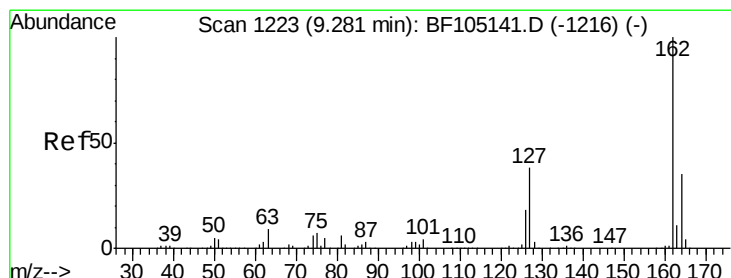
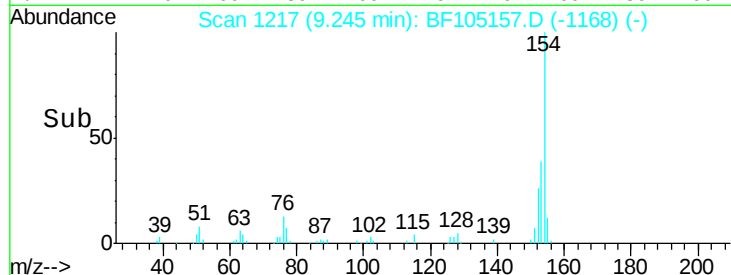
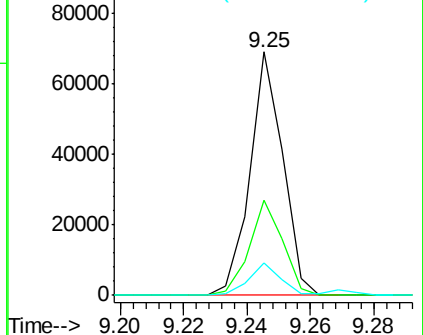
Tot Ion:	154	Resp:	49683
Ion Ratio	Lower	Upper	
154	100		
153	39.3	21.3	61.3
76	13.1	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 1.228 ng

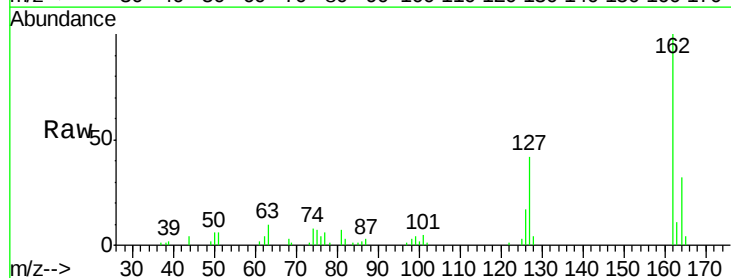
RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

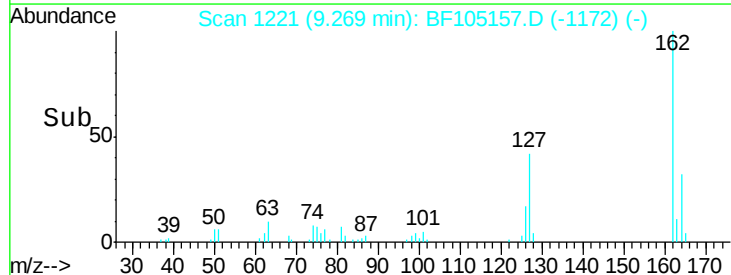
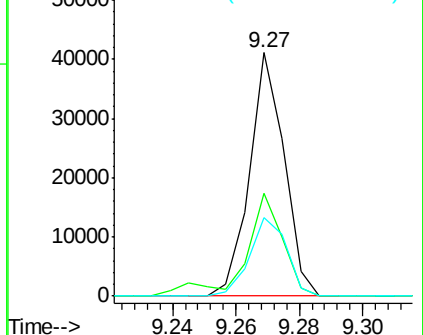
Lab File: BF105157.D

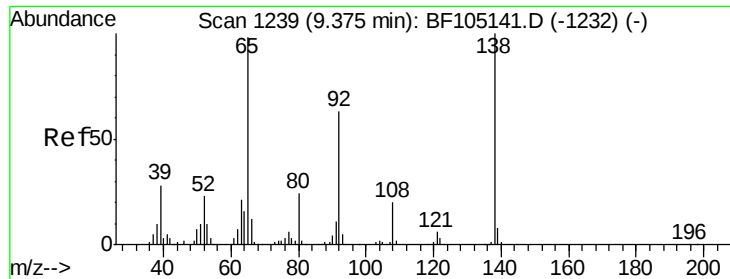
Acq: 8 May 2018 21:12

Tgt Ion:	162	Resp:	31132
Ion Ratio	Lower	Upper	
162	100		
127	42.2	33.9	50.9
164	32.2	26.5	39.7



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





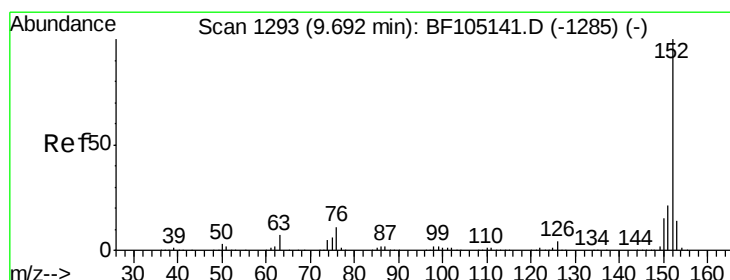
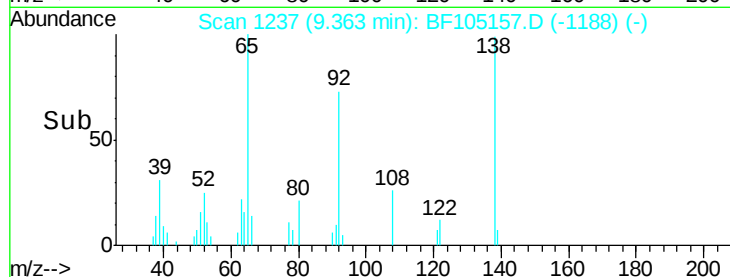
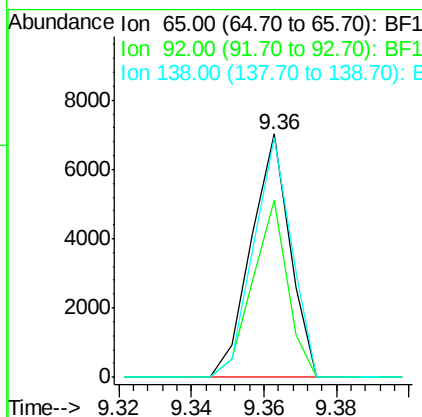
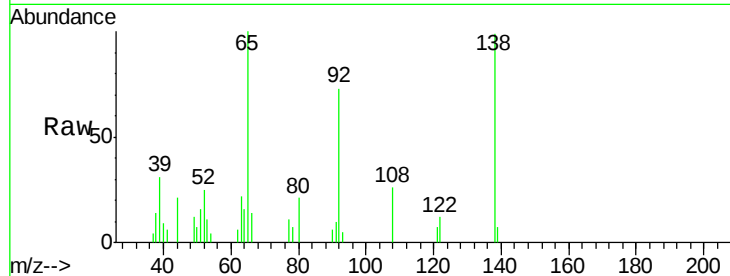
#47
2-Nitroaniline
Concen: 6.424 ng
RT: 9.36 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	72.9	55.8	83.6
138	98.5	91.2	136.8

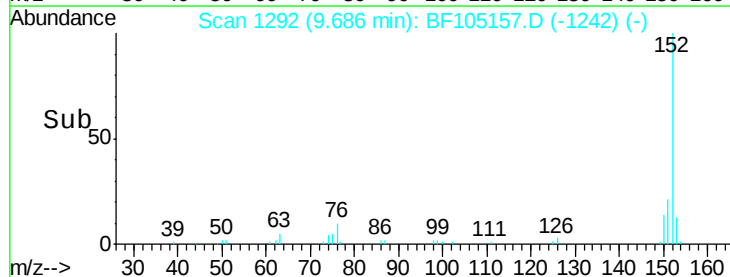
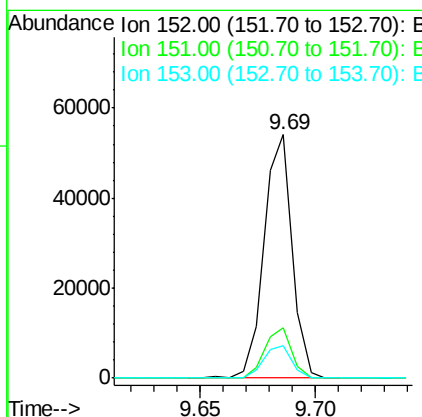
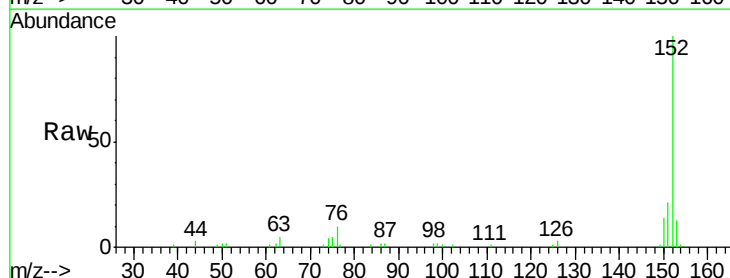
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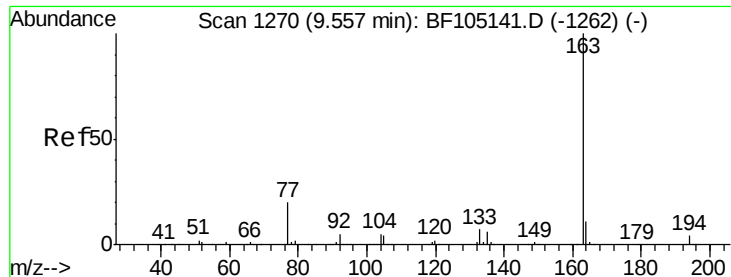
Sohil
5/9/2018 6:50:58 PM



#48
Acenaphthylene
Concen: 1.167 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.1	10.7	16.1





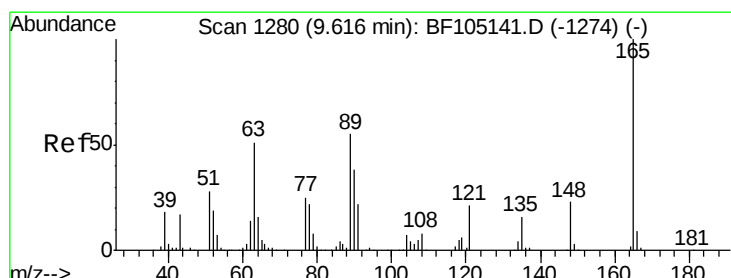
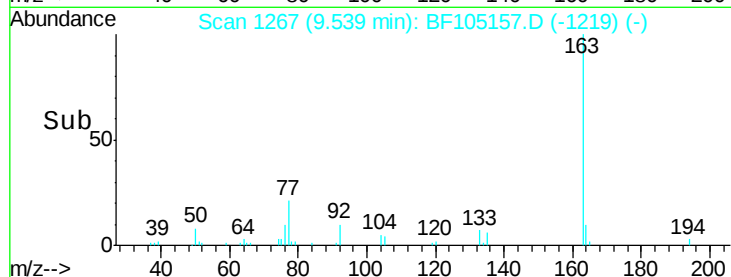
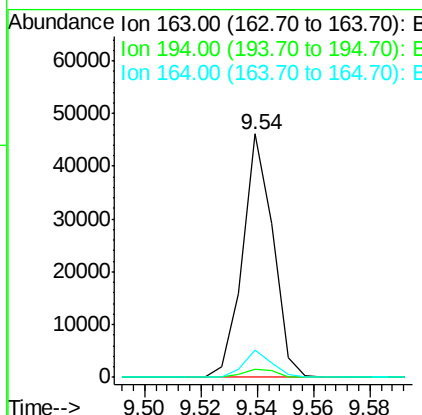
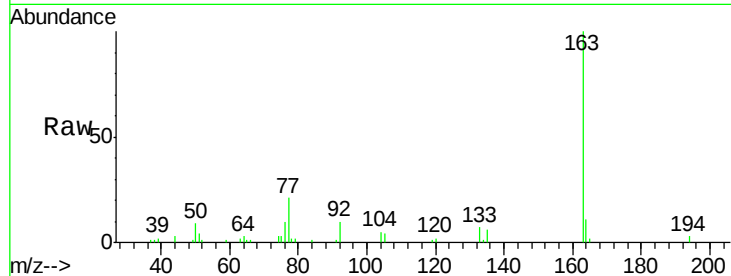
#49
Dimethylphthalate
Concen: 1.219 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion:	163	Resp:	34355
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	11.4	8.2	12.2

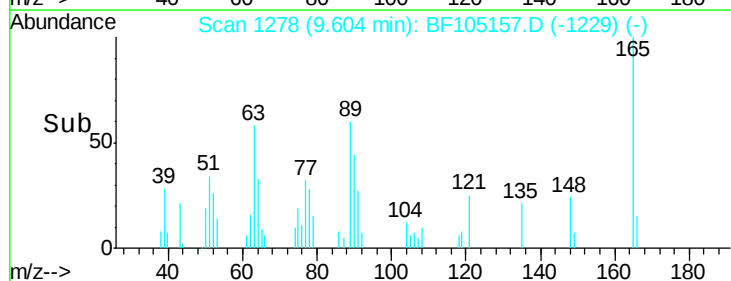
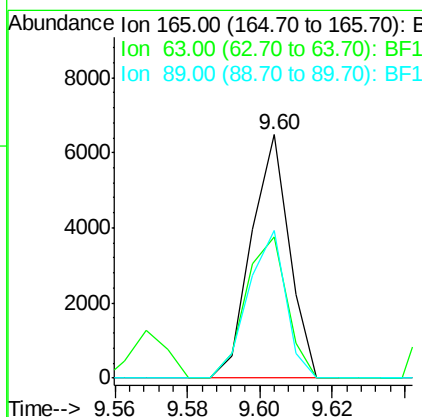
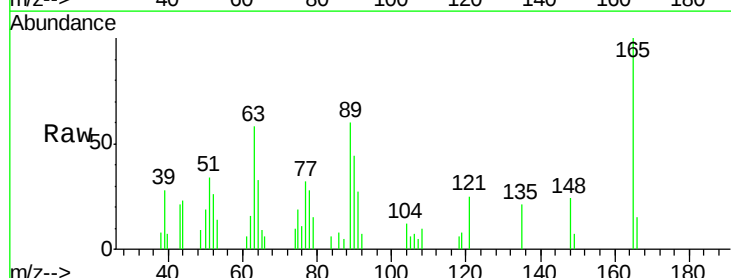
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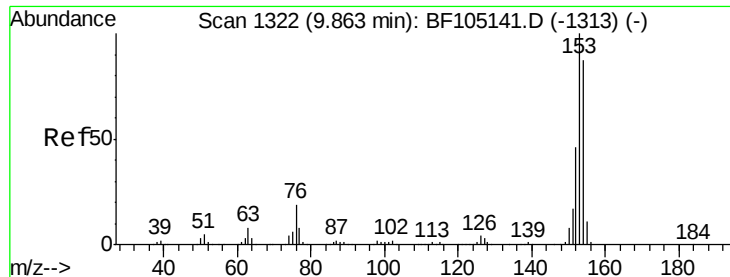
Sohil
5/9/2018 6:50:58 PM



#50
2,6-Dinitrotoluene
Concen: 0.768 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion:	165	Resp:	4694
Ion Ratio	Lower	Upper	
165	100		
63	57.8	44.7	67.1
89	60.5	44.0	66.0





#51

Acenaphthene

Concen: 1.186 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

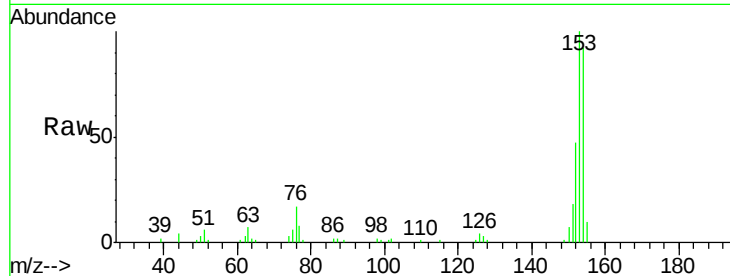
ClientSampleId :

MDL-SOIL-03-QT2-2018

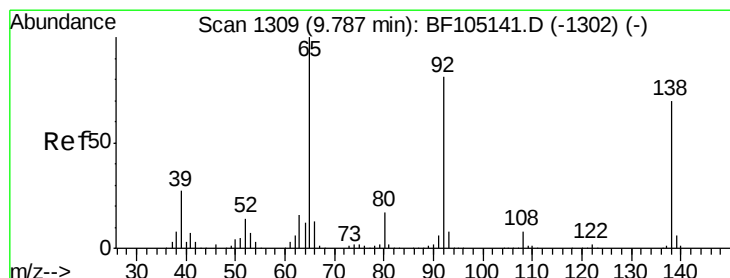
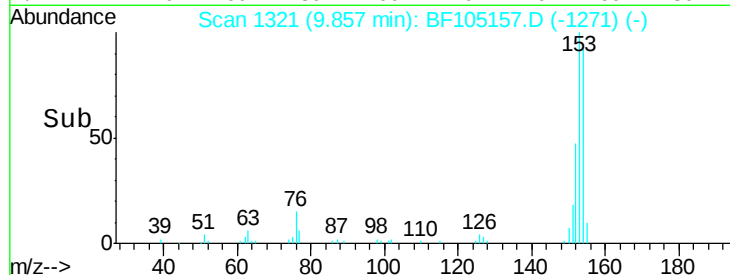
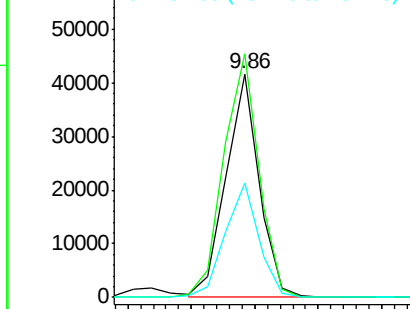
Tot Ion:	154	Resp:	29919
Ion Ratio	Lower	Upper	
154	100		
153	109.1	91.2	136.8
152	51.3	43.8	65.8

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



#52

3-Nitroaniline

Concen: 0.865 ng

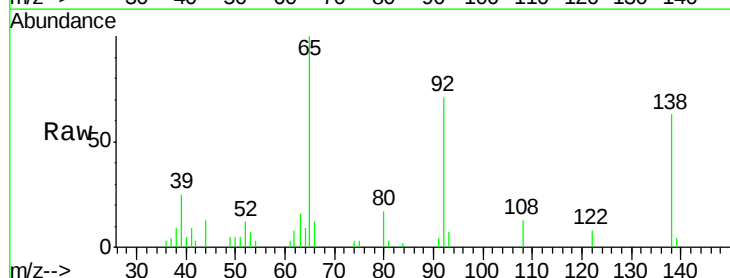
RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

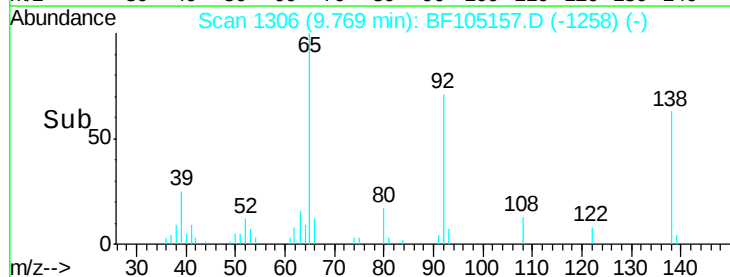
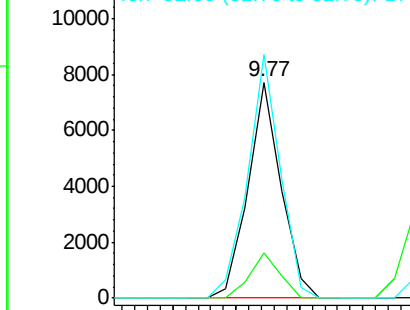
Lab File: BF105157.D

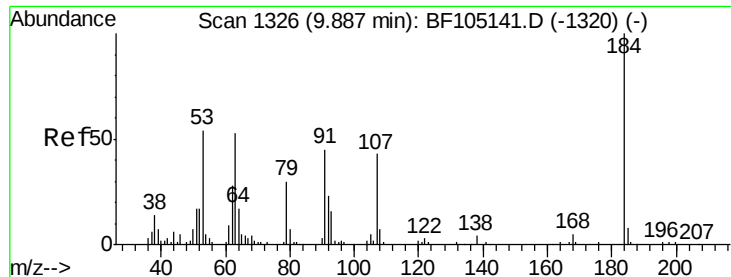
Acq: 8 May 2018 21:12

Tgt Ion:	138	Resp:	5569
Ion Ratio	Lower	Upper	
138	100		
108	20.7	9.4	14.0#
92	112.7	89.4	134.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1





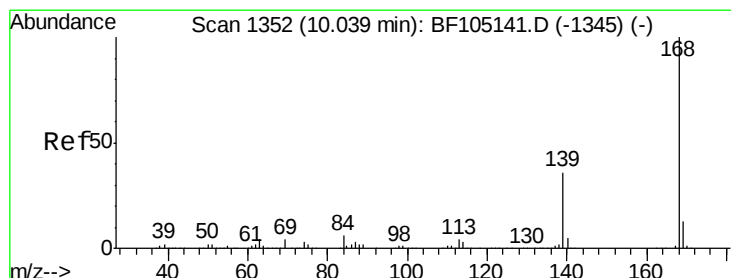
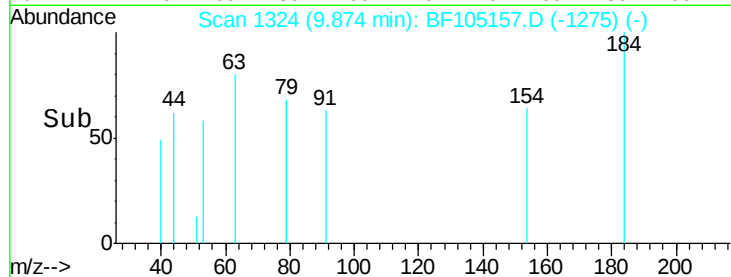
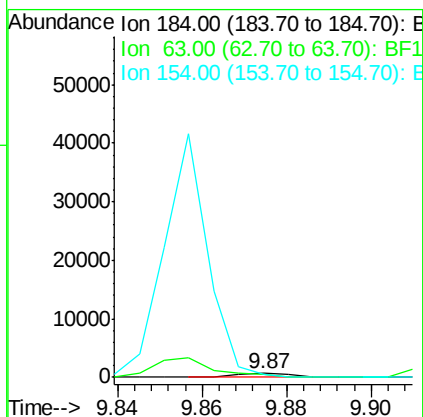
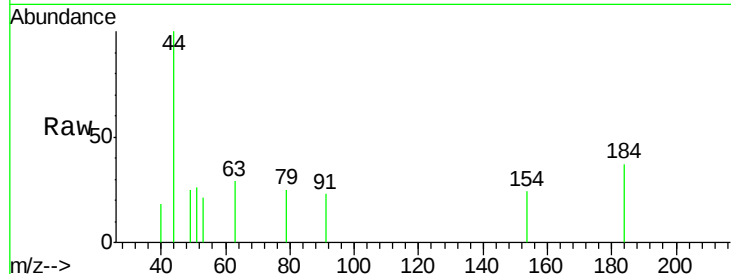
#53
2,4-Dinitrophenol
Concen: 9.645 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
184	100		
63	79.9	54.2	81.2
154	64.5	184.0	276.0#

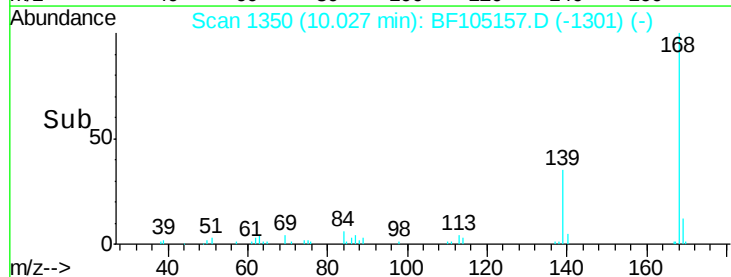
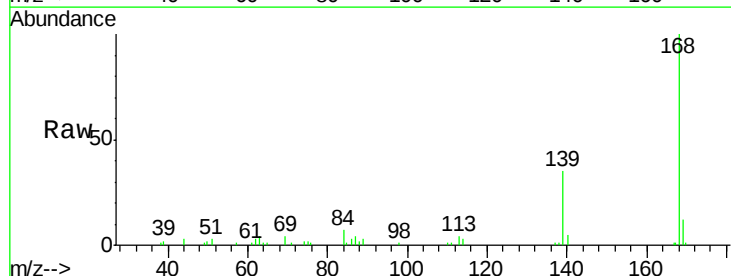
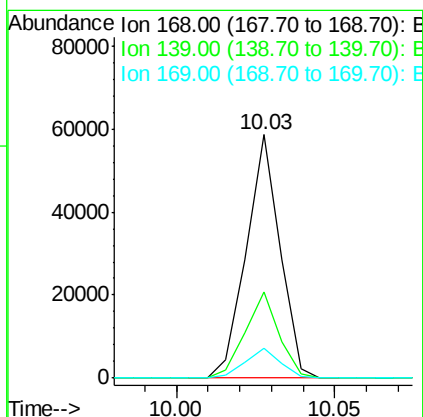
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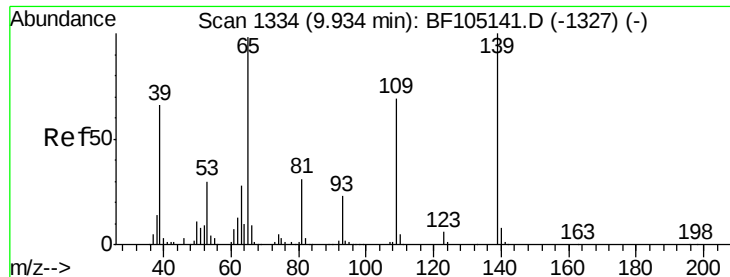
Sohil
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#54
Dibenzofuran
Concen: 1.172 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.5	30.1	45.1
169	12.4	10.9	16.3





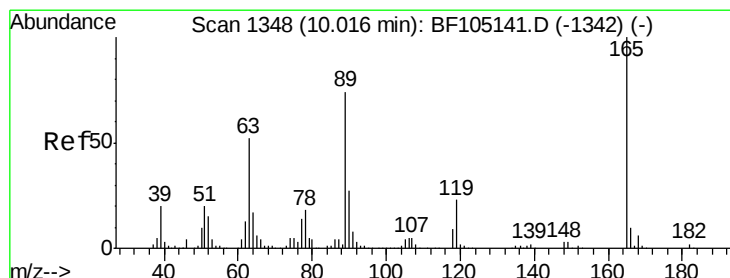
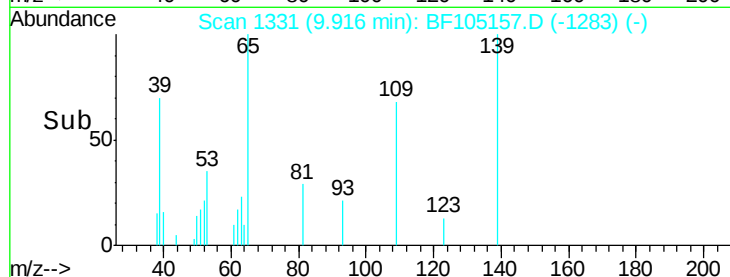
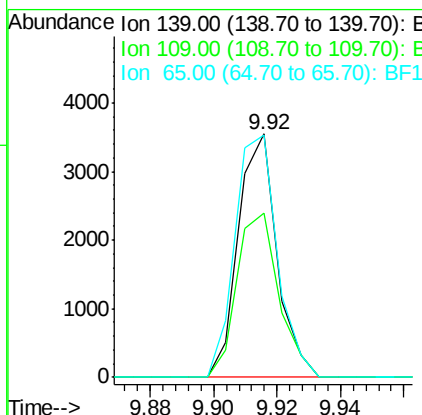
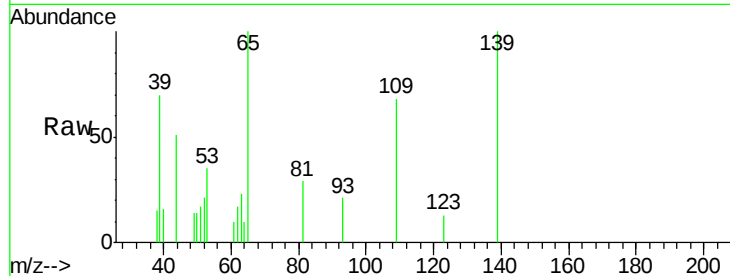
#55
4-Nitrophenol
Concen: 4.788 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
139	100		
109	67.7	48.4	88.4
65	99.6	72.6	112.6

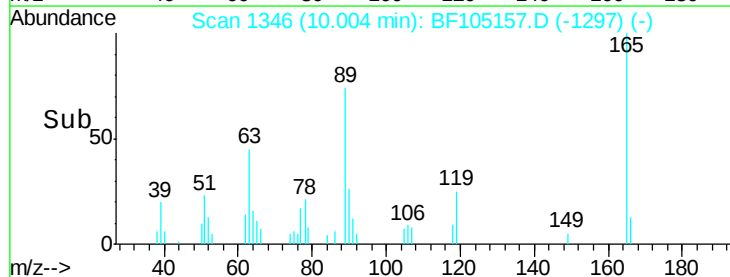
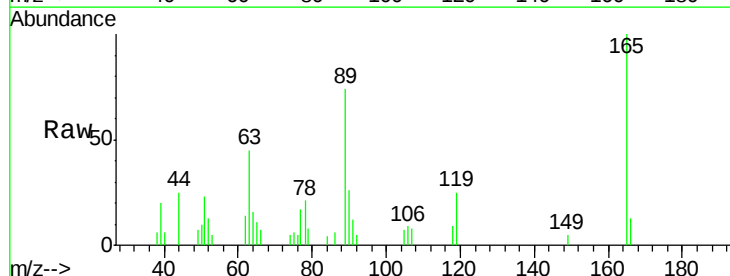
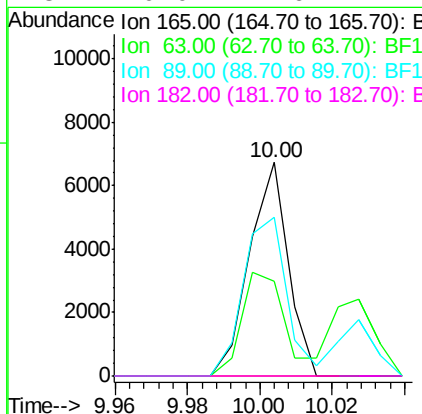
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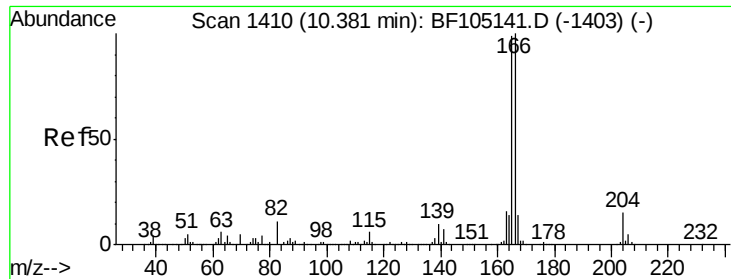
Sohil
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#56
2,4-Dinitrotoluene
Concen: 4.181 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.5	36.4	54.6
89	74.0	57.8	86.6
182	0.0	1.6	2.4#





#57

Fluorene

Concen: 1.269 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:166 Resp: 34362

Ion Ratio Lower Upper

166 100

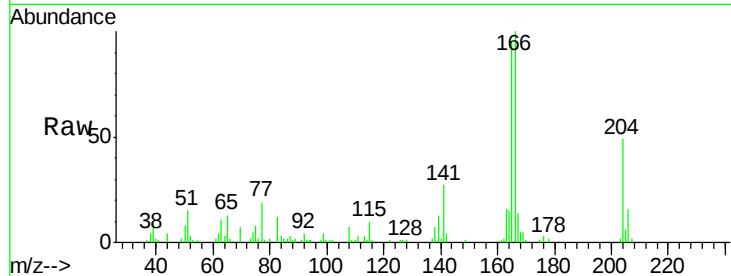
165 95.4 79.8 119.8

167 13.9 10.6 16.0

Manual Integrations
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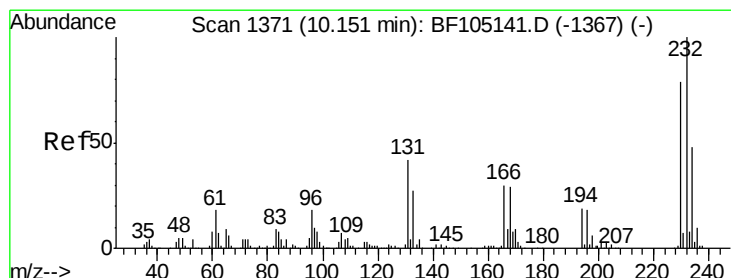
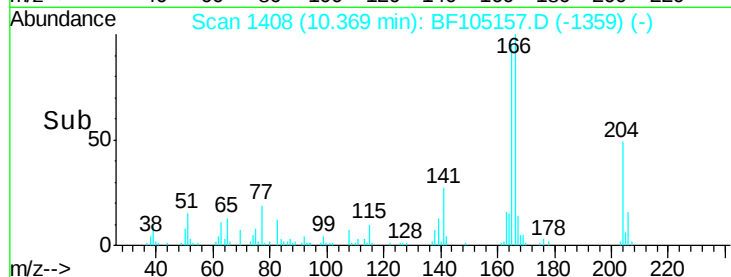
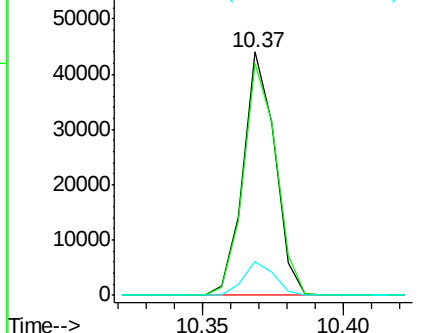
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.850 ng m

RT: 10.14 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tgt Ion:232 Resp: 6408

Ion Ratio Lower Upper

232 100

131 40.1 43.8 65.8#

130 0.0 2.1 3.1#

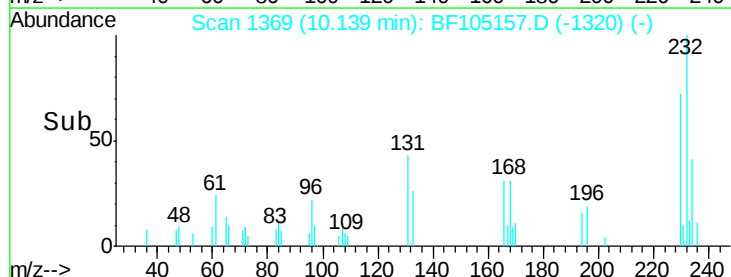
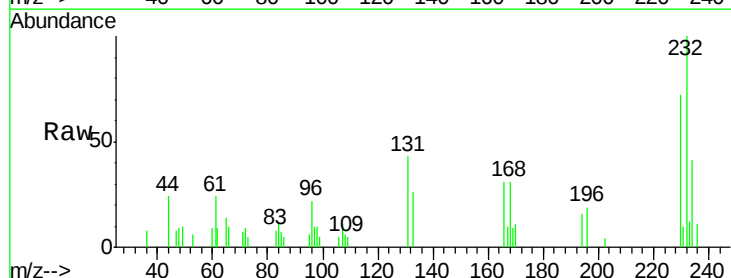
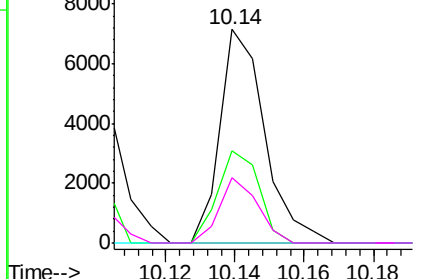
166 26.2 27.8 41.6#

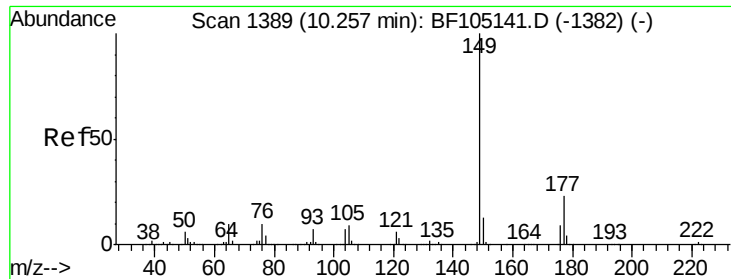
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





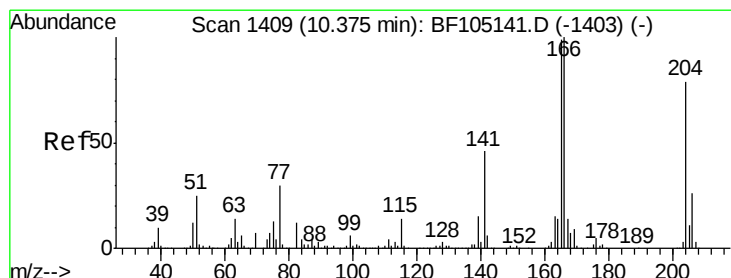
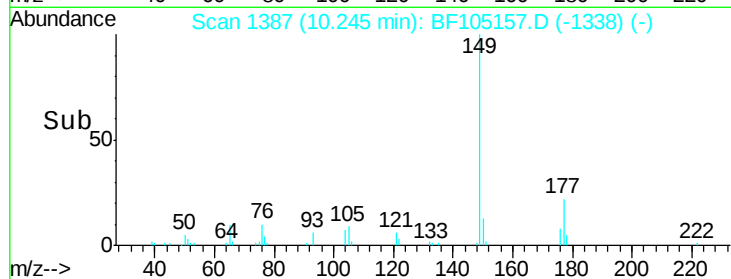
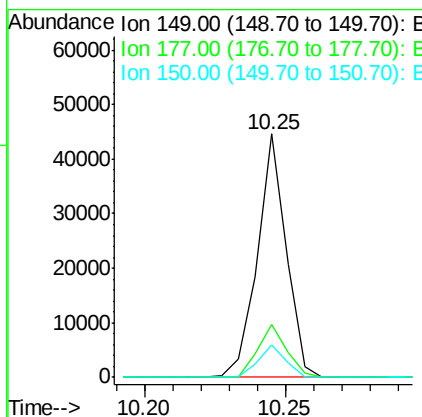
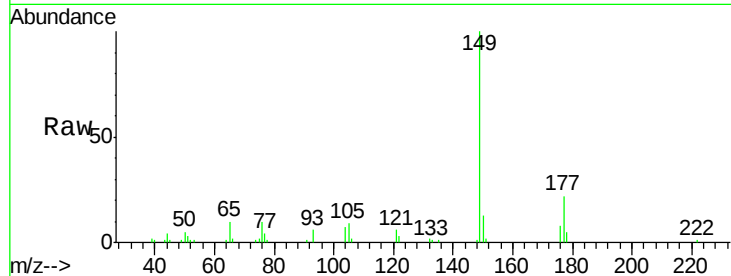
#59
Diethylphthalate
Concen: 1.140 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.8	16.1	24.1
150	13.3	10.1	15.1

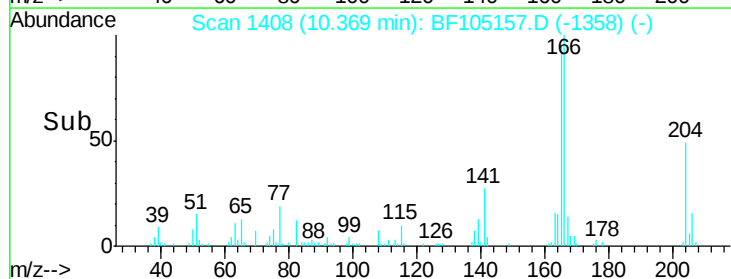
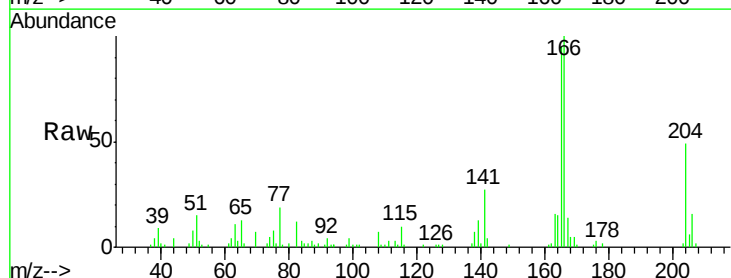
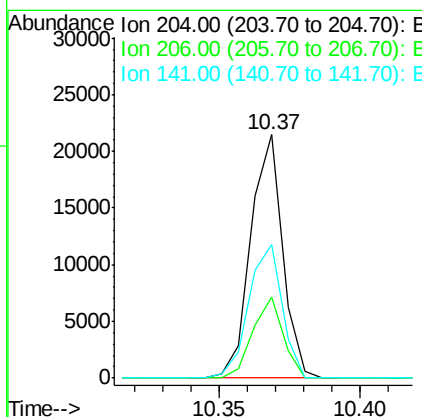
Manual Integrations
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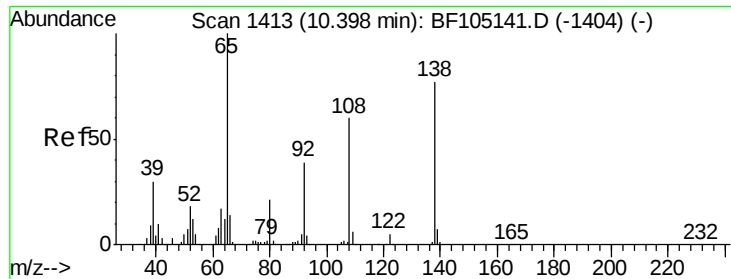
Sohil
5/9/2018 6:50:58 PM



#60
4-Chlorophenyl-phenylether
Concen: 1.333 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	55.1	54.6	81.8





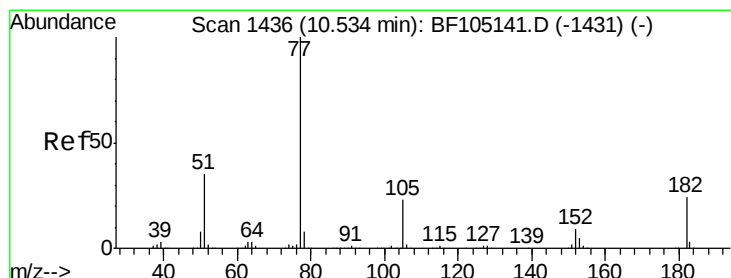
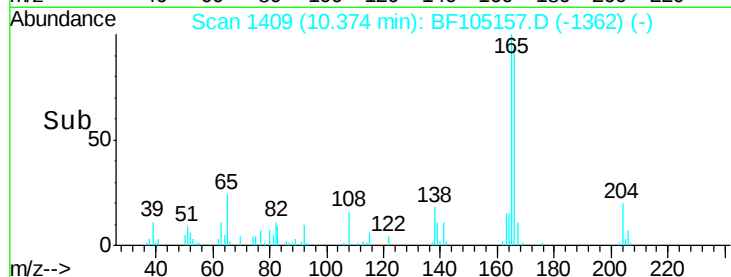
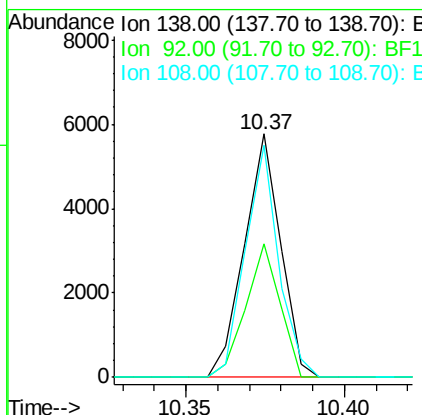
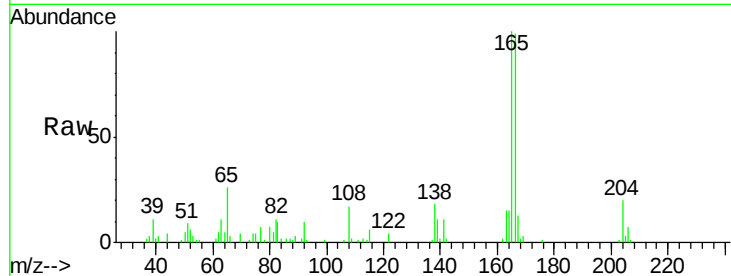
#61
4-Nitroaniline
Concen: 0.715 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
138	100		
92	54.8	30.2	70.2
108	95.1	52.5	92.5

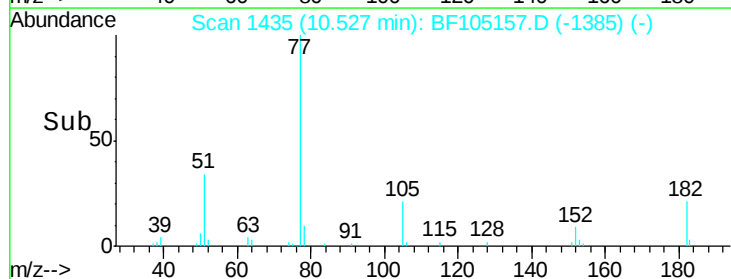
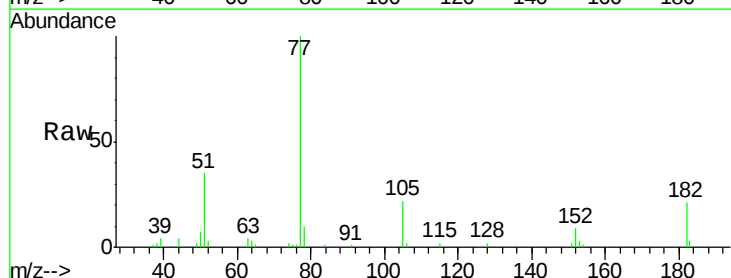
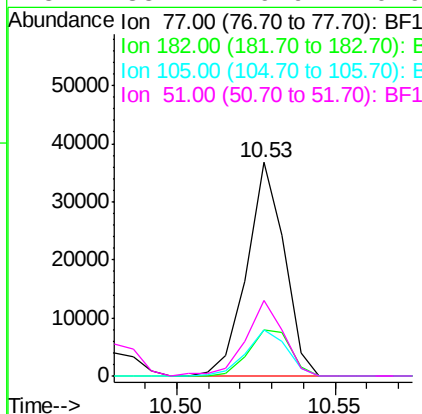
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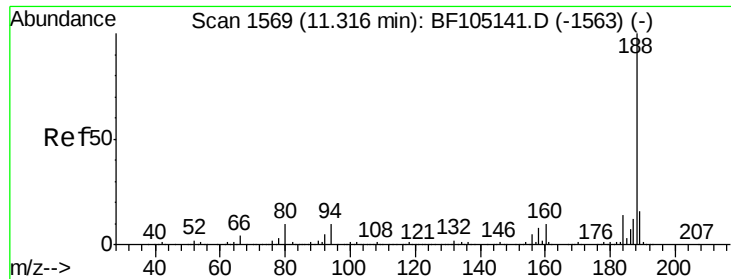
Sohil
5/9/2018 6:50:58 PM



#62
Azobenzene
Concen: 1.046 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.4	1.7	41.7
105	21.7	3.0	43.0
51	35.1	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

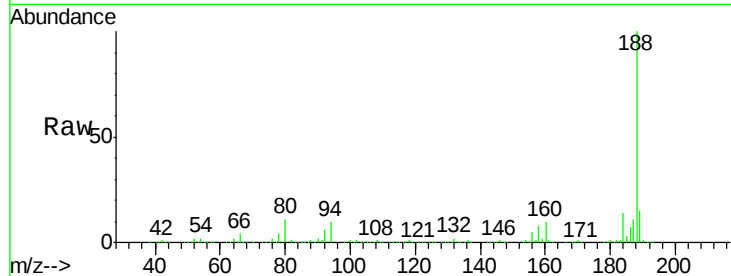
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	188	Resp:	805480
Ion Ratio		Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.7	9.2	13.8

Manual Integrations
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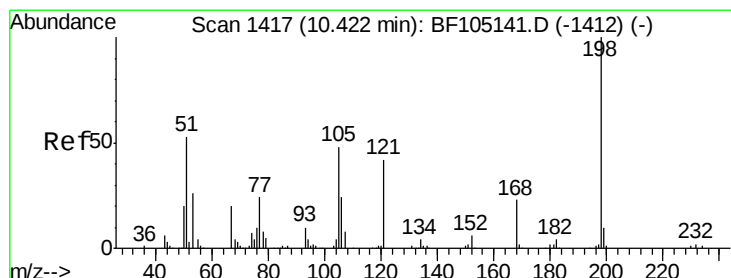
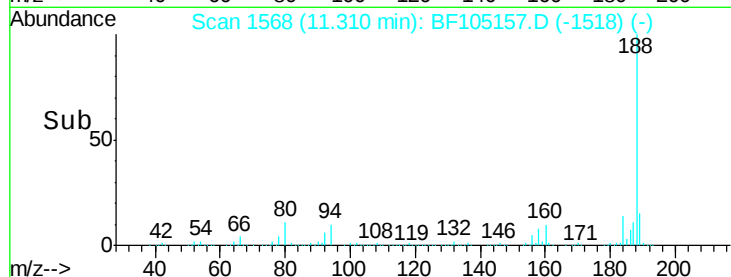
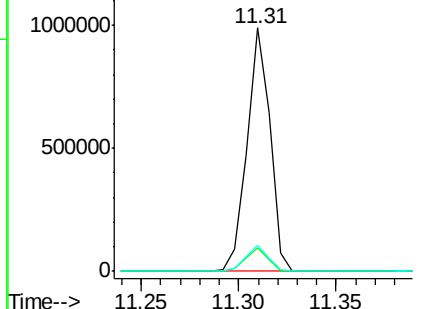
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 9.287 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BF105157.D

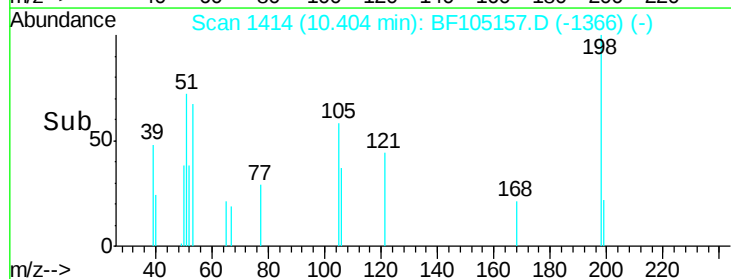
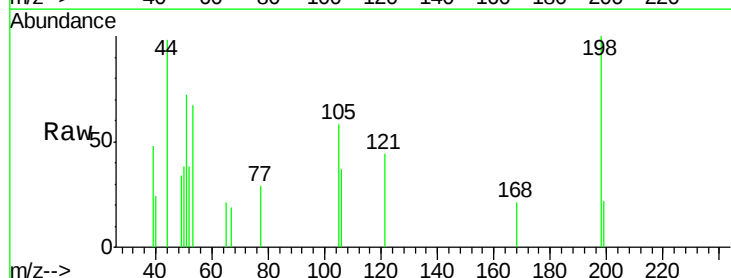
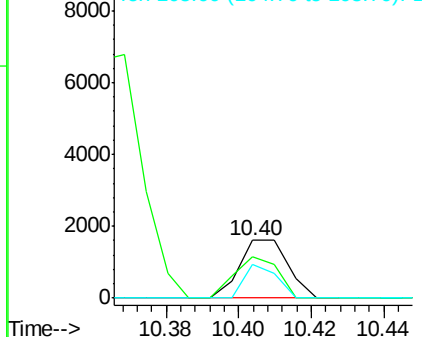
Acq: 8 May 2018 21:12

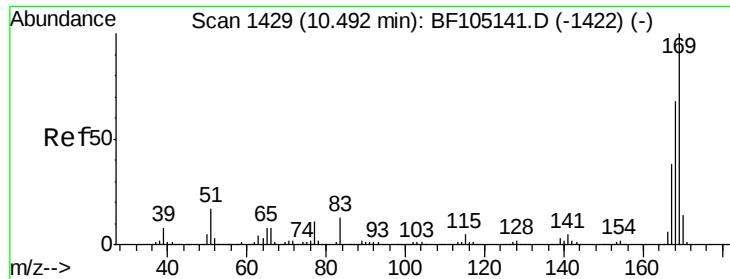
Tgt Ion:	198	Resp:	1502
Ion Ratio		Lower	Upper
198	100		
51	71.8	37.7	77.7
105	57.8	36.3	76.3

Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





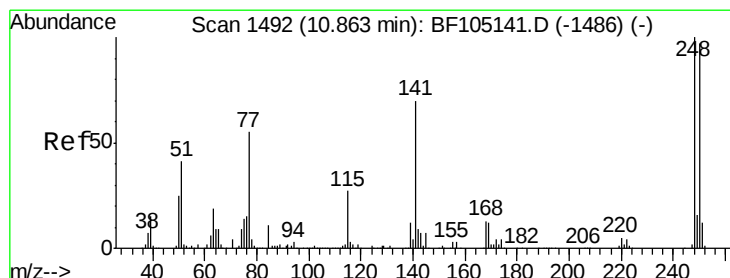
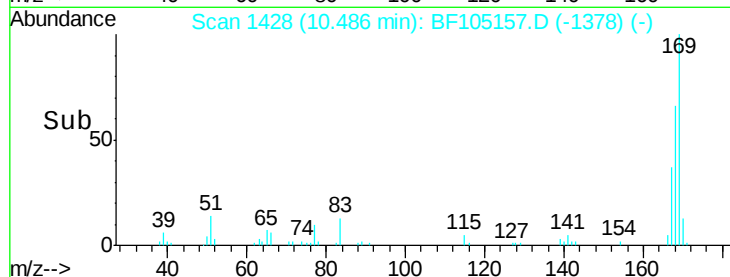
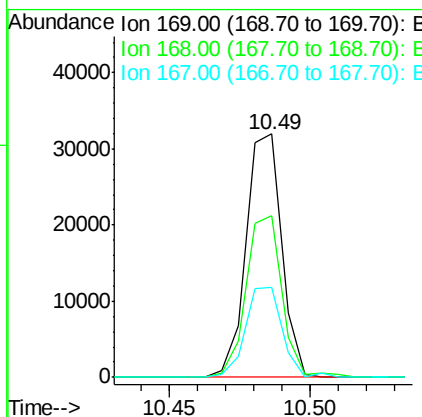
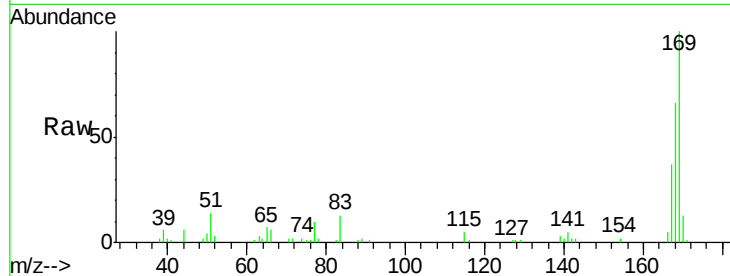
#65
n-Nitrosodiphenylamine
Concen: 1.115 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
169	100		
168	66.2	54.4	81.6
167	36.8	29.8	44.6

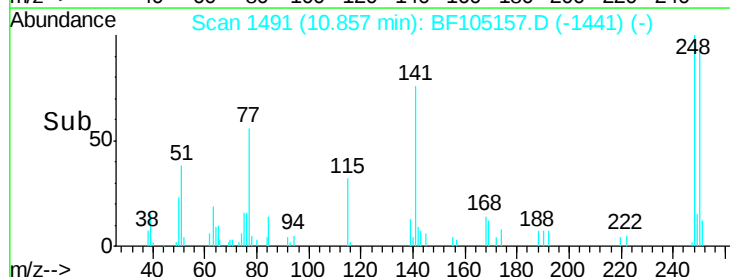
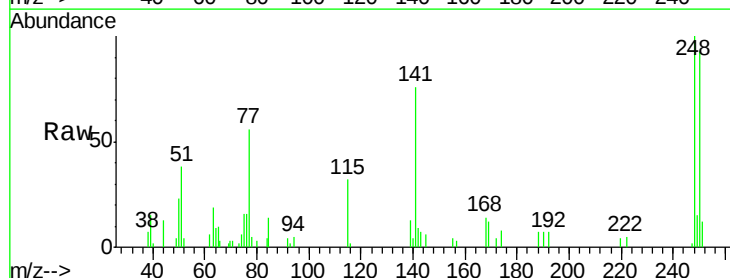
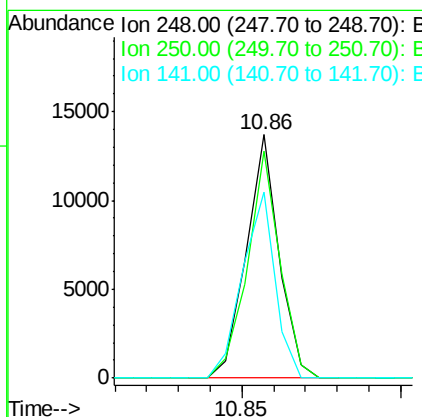
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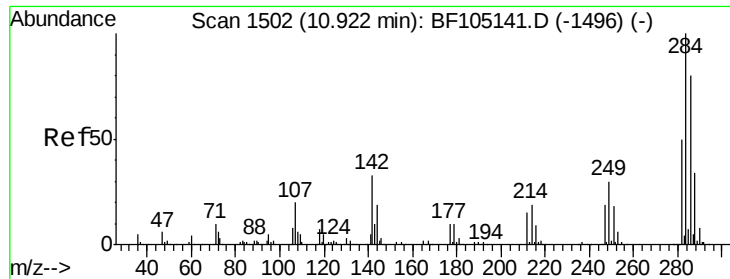
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#66
4-Bromophenyl-phenylether
Concen: 1.138 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
248	100		
250	93.2	76.9	115.3
141	76.3	74.4	111.6





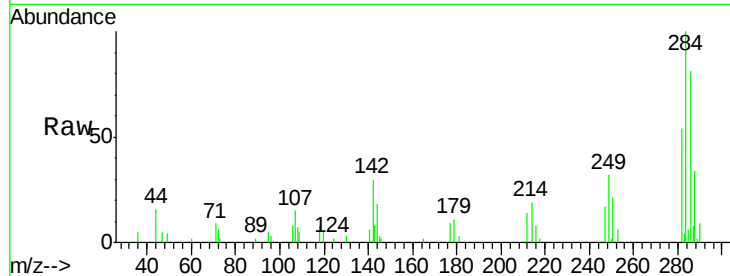
#67
Hexachlorobenzene
Concen: 1.256 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

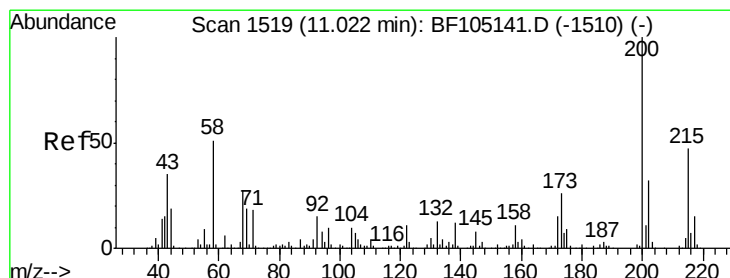
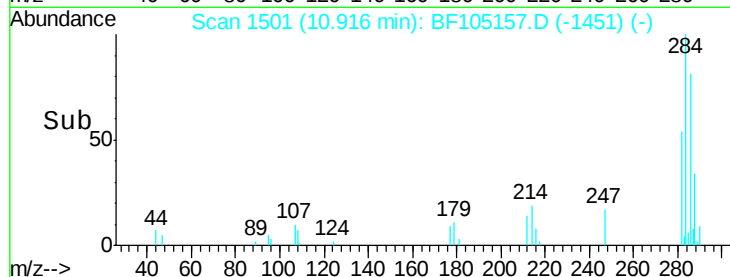
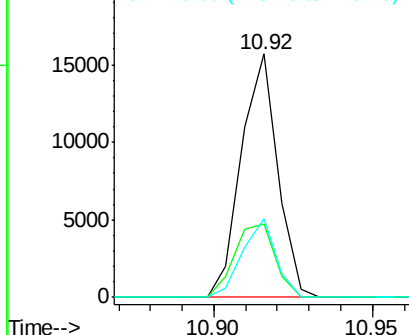
Tot Ion	Ratio	Resp	Lower	Upper
284	100	12432		
142	30.3	34.6	52.0	
249	32.0	24.8	37.2	

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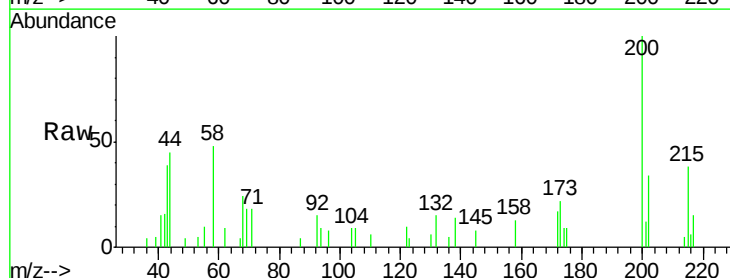


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

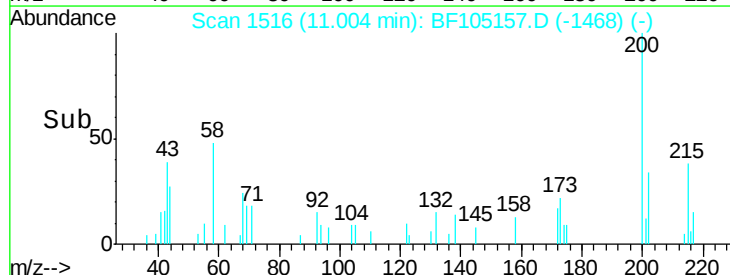
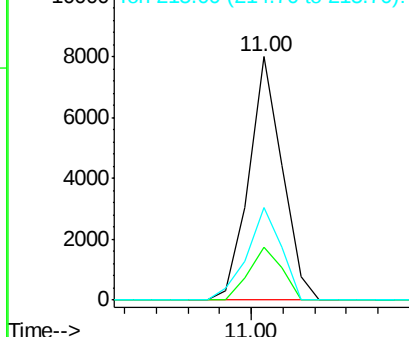


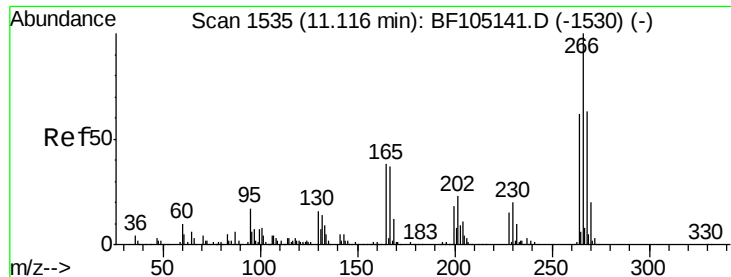
#68
Atrazine
Concen: 0.743 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.02 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	5847		
173	21.9	8.6	48.6	
215	38.0	25.1	65.1	



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





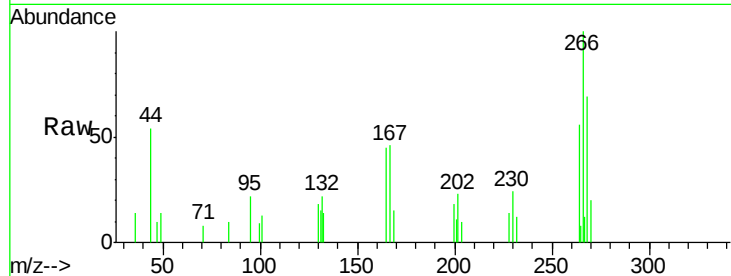
#69
 Pentachlorophenol
 Concen: 3.867 ng
 RT: 11.11 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

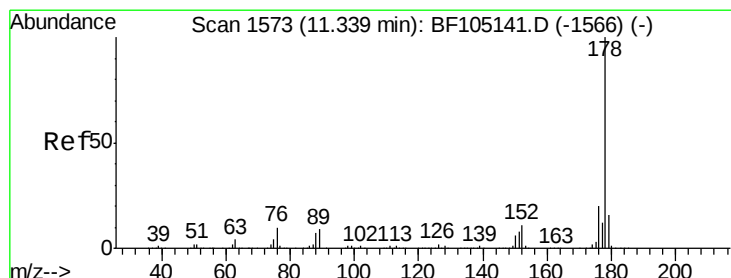
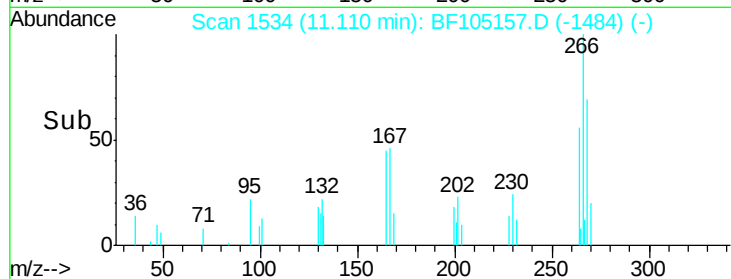
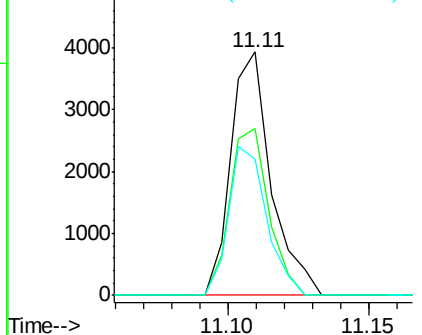
Tot Ion	Ratio	Lower	Upper
266	100		
268	68.6	51.1	76.7
264	55.7	49.5	74.3

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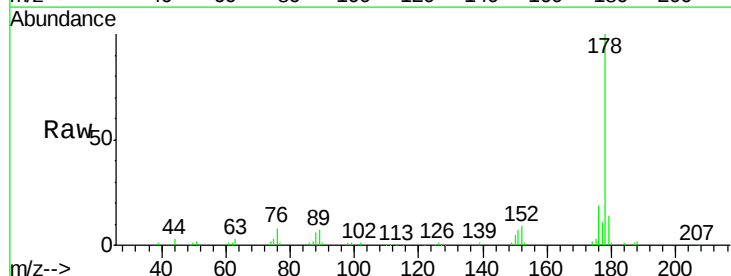


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

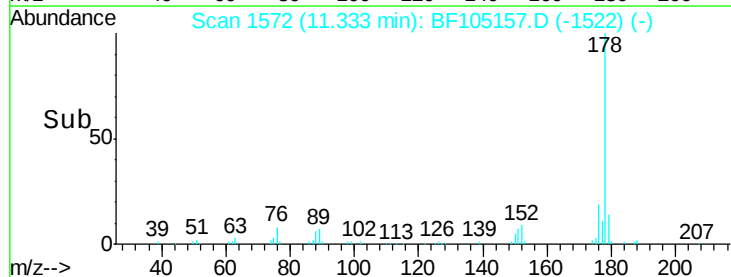
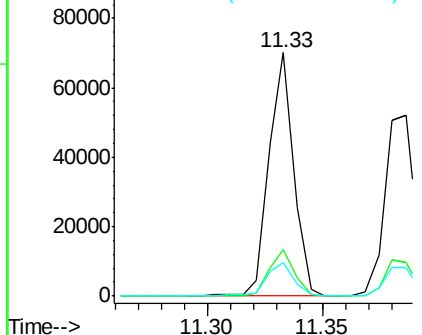


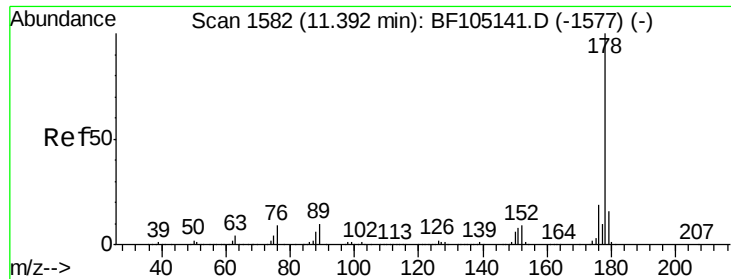
#70
 Phenanthrene
 Concen: 1.227 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	13.9	13.0	19.6



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





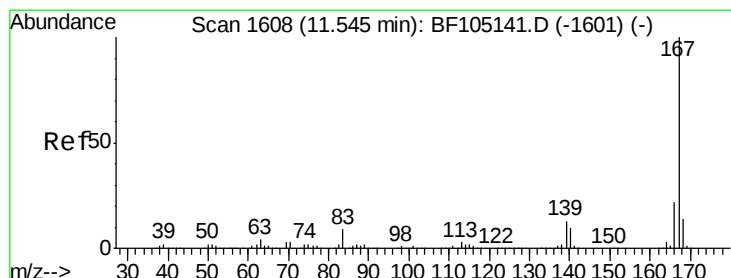
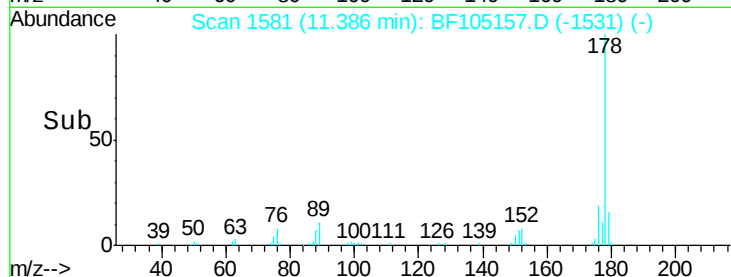
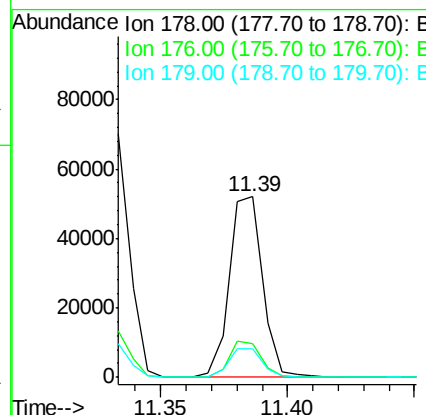
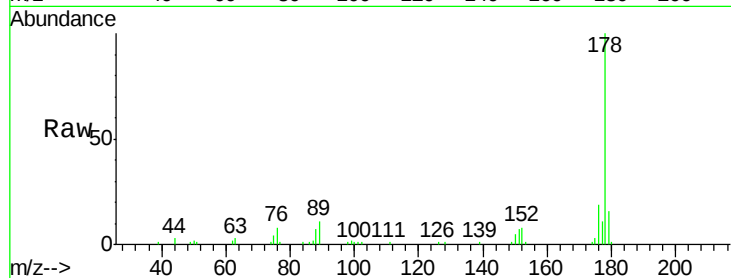
#71
 Anthracene
 Concen: 1.097 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.2	12.6	19.0

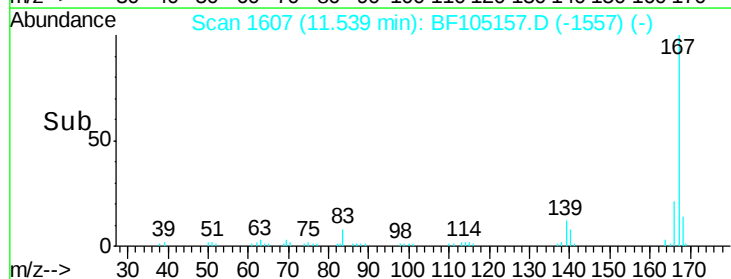
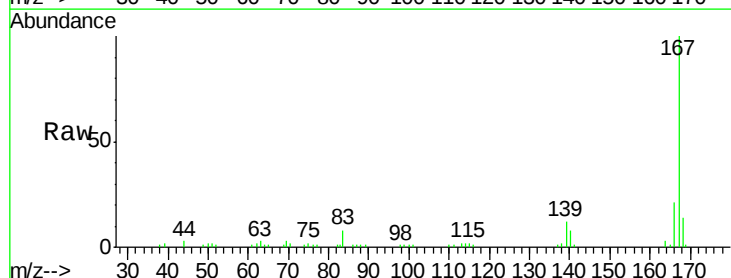
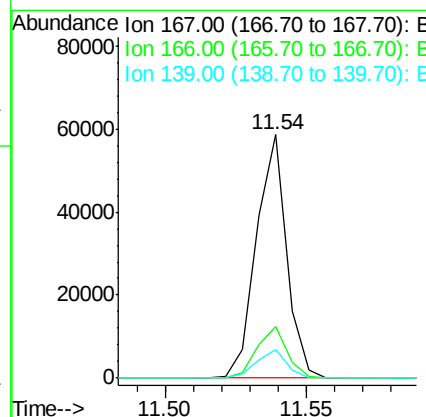
Manual Integrations
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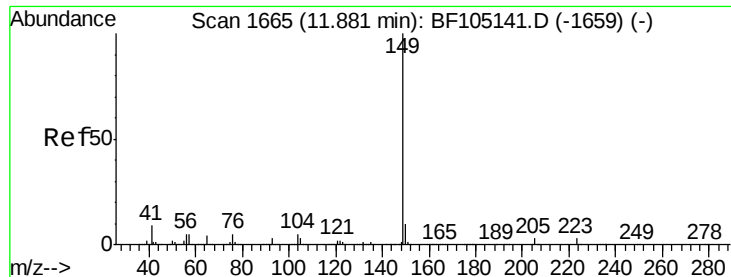
Sohil
 5/9/2018 6:50:58 PM



#72
 Carbazole
 Concen: 1.119 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	11.8	10.9	16.3





#73

Di-n-butylphthalate

Concen: 0.890 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

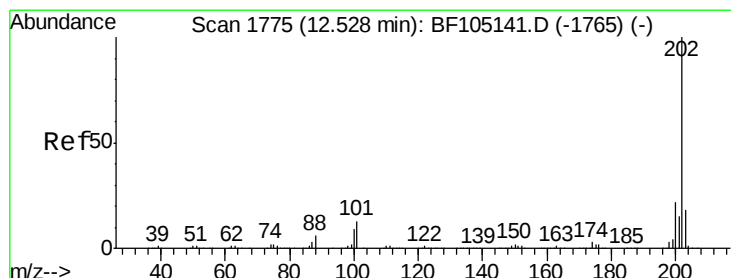
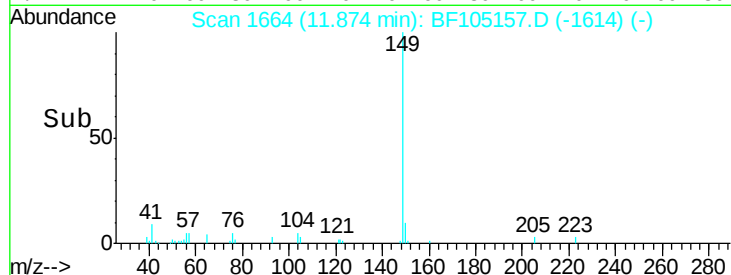
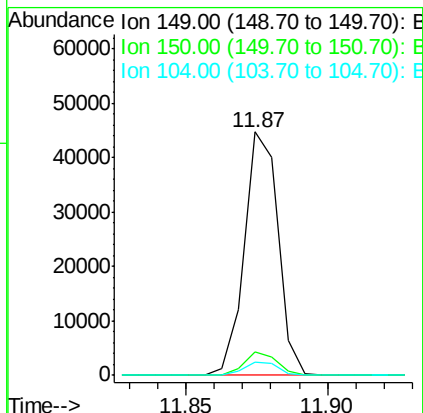
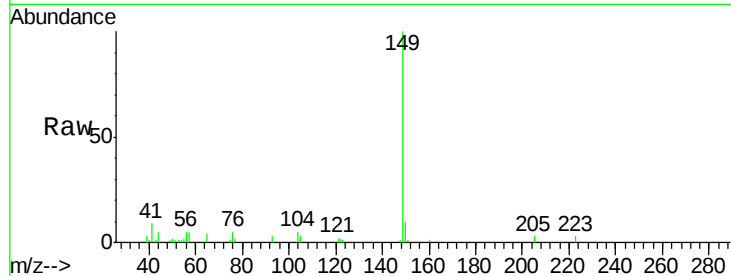
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	149	Resp:	37022
Ion Ratio	Lower	Upper	
149	100		
150	9.9	7.8	11.6
104	5.2	3.8	5.8

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#74

Fluoranthene

Concen: 1.114 ng

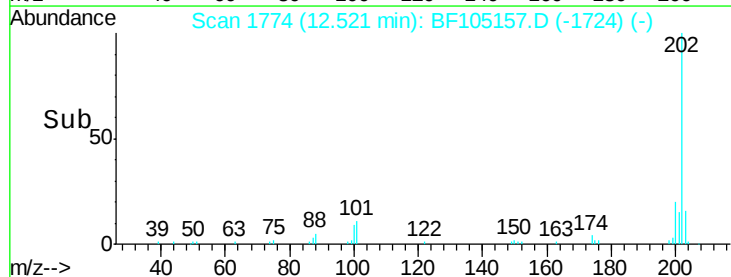
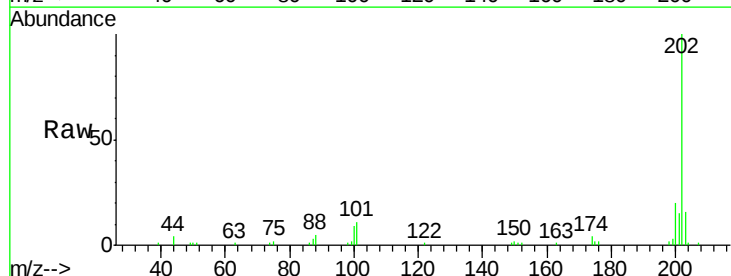
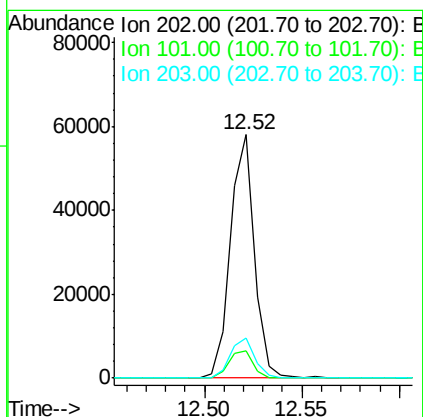
RT: 12.52 min Scan# 1774

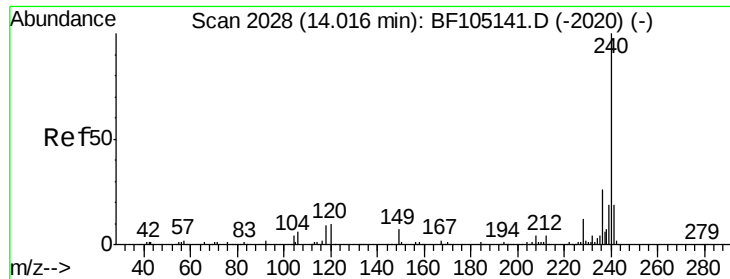
Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tgt Ion:	202	Resp:	49295
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	16.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Instrument :

BNA_F

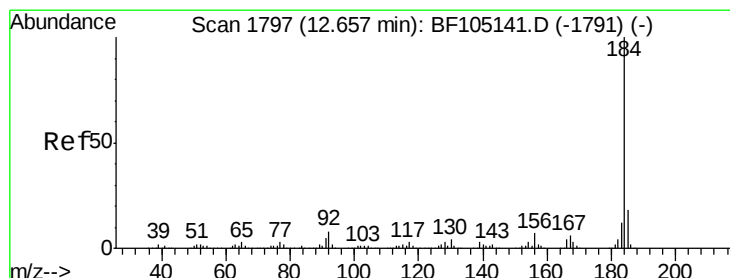
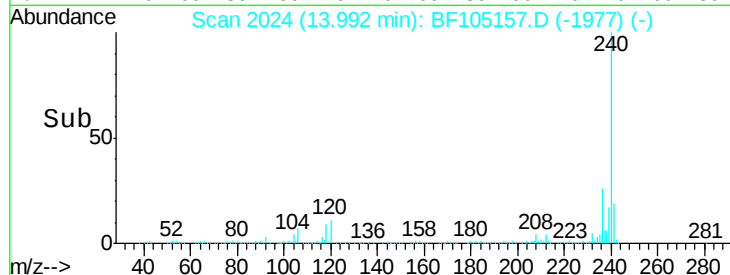
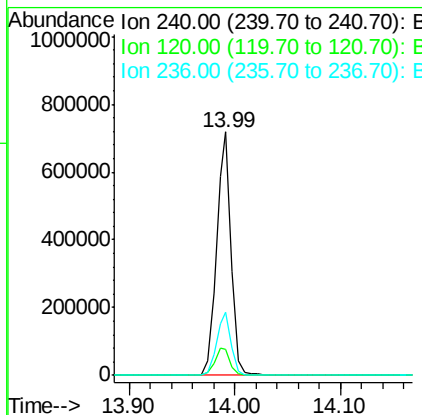
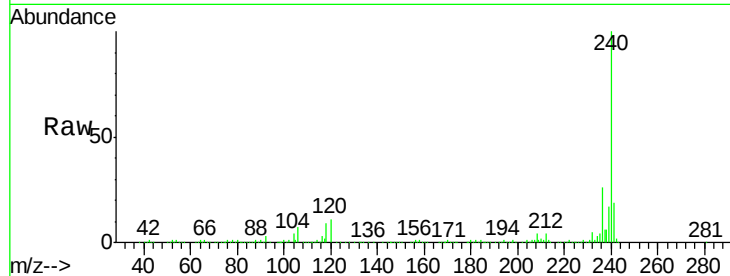
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:	240	Resp:	696167
Ion Ratio		Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.2	20.7	31.1

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#76

Benzidine

Concen: 0.157 ng m

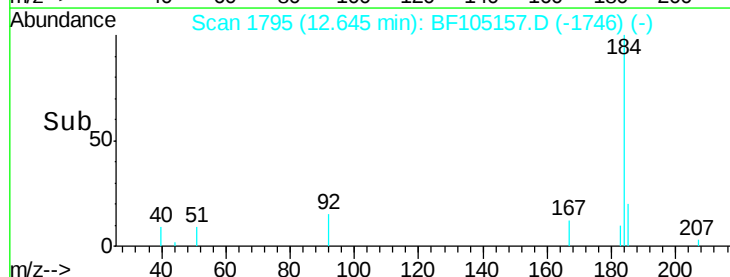
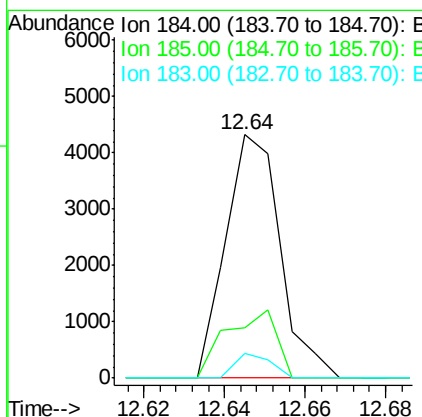
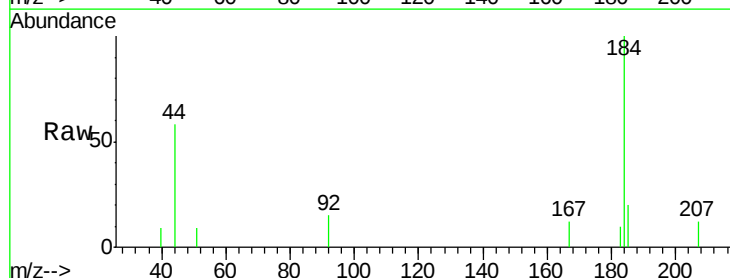
RT: 12.64 min Scan# 1795

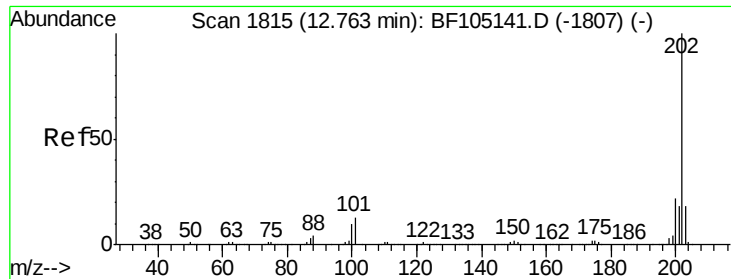
Delta R.T. -0.01 min

Lab File: BF105157.D

Acq: 8 May 2018 21:12

Tgt Ion:	184	Resp:	4076
Ion Ratio		Lower	Upper
184	100		
185	20.4	12.6	18.8#
183	10.3	9.3	13.9





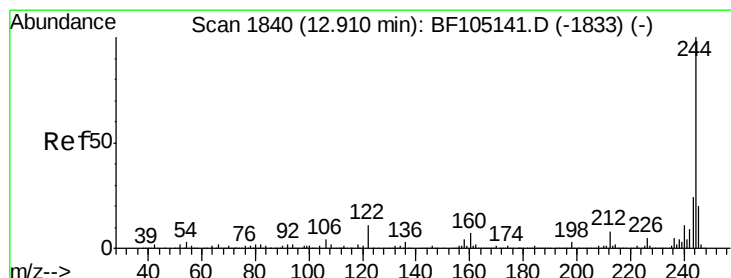
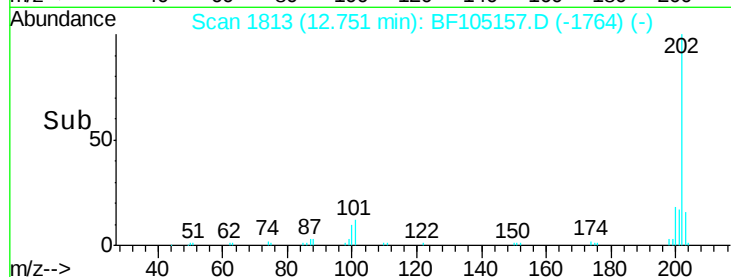
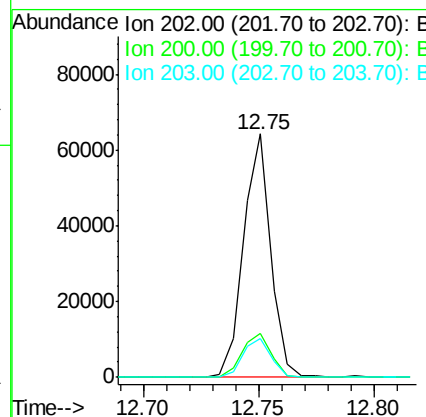
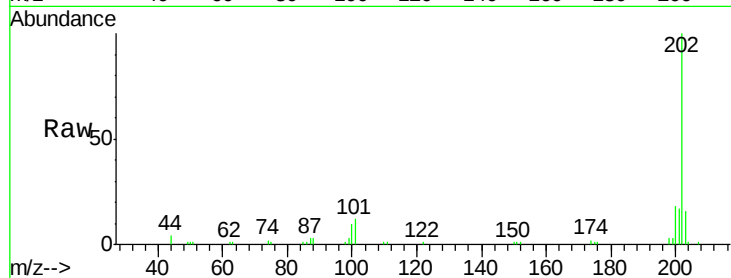
#77
Pvrene
Concen: 1.040 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	18.0	17.4	26.2
203	15.9	14.3	21.5

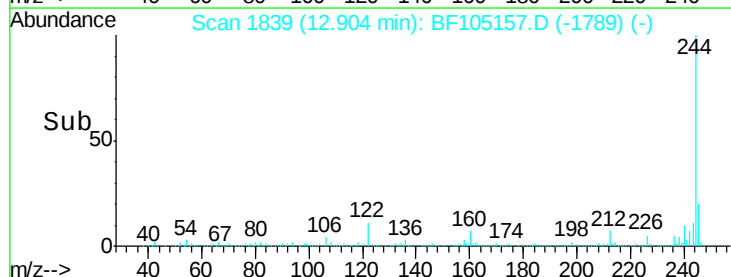
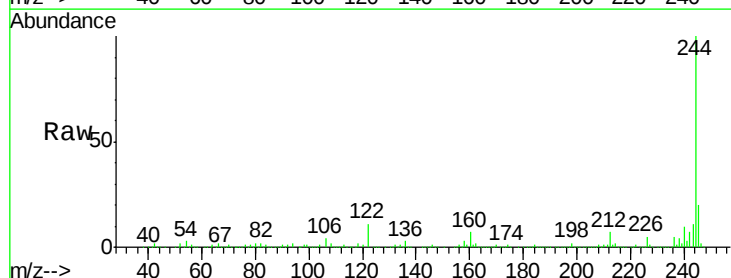
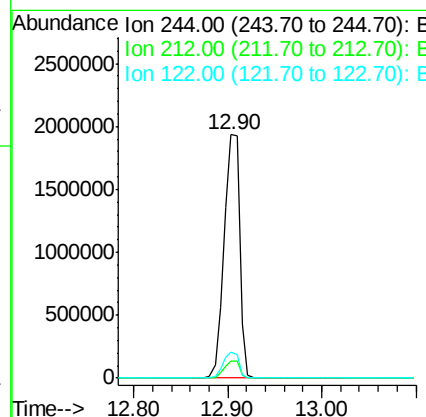
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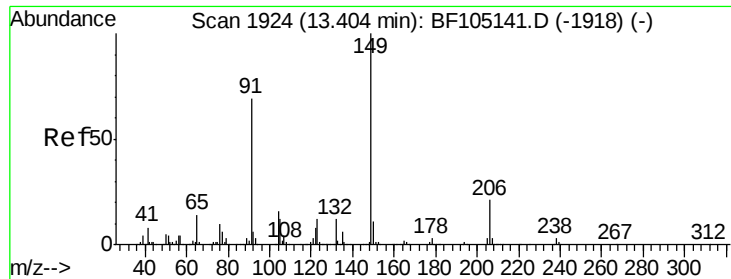
Sohil
5/9/2018 6:50:58 PM



#78
Terphenyl-d14
Concen: 75.173 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.9	11.0	16.4





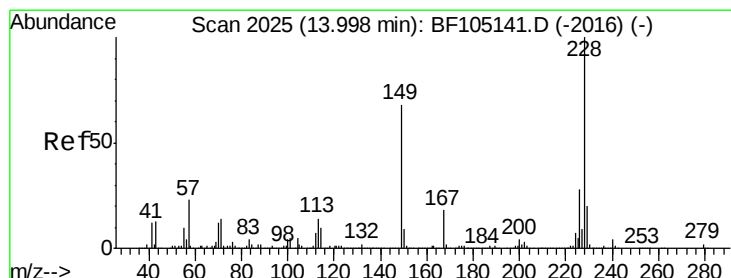
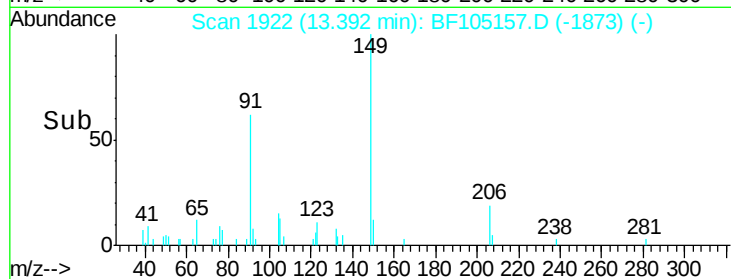
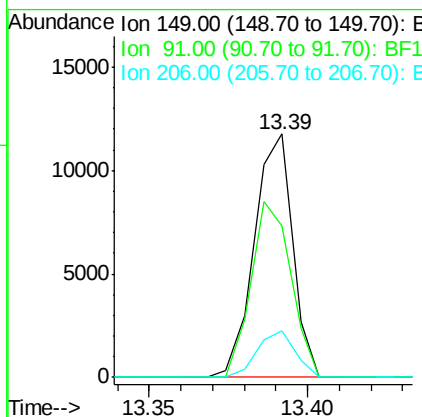
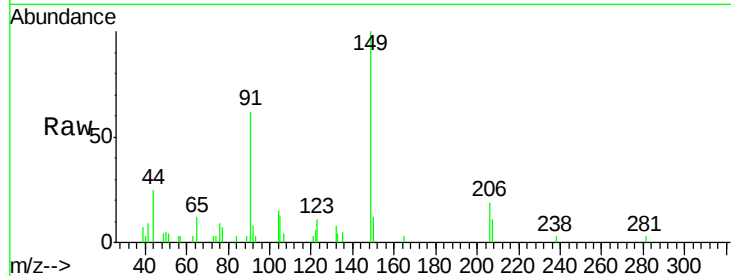
#79
Butylbenzylphthalate
Concen: 7.363 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion:	149	Resp:	9912
Ion Ratio	Lower	Upper	
149	100		
91	62.3	56.8	85.2
206	19.1	14.1	21.1

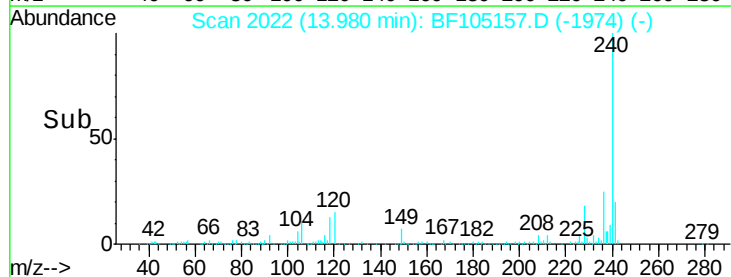
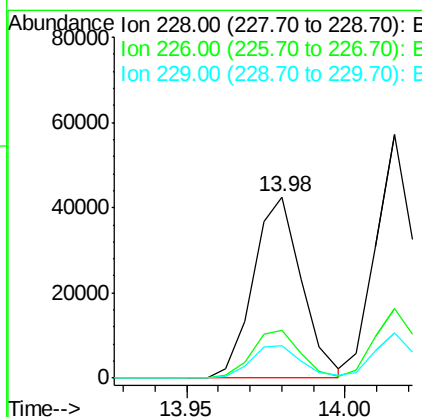
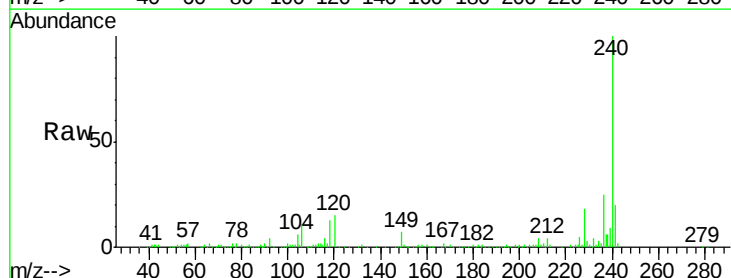
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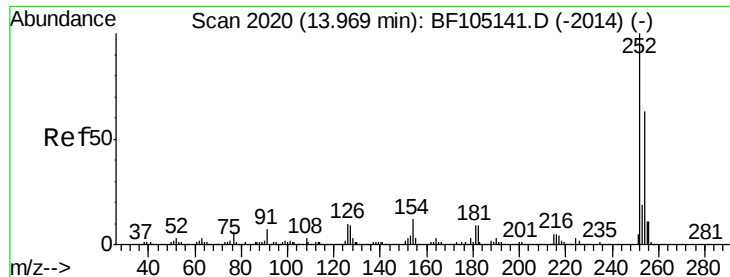
Sohil
5/9/2018 6:50:58 PM



#80
Benzo(a)anthracene
Concen: 1.068 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion:	228	Resp:	45090
Ion Ratio	Lower	Upper	
228	100		
226	26.3	22.6	33.8
229	17.8	15.8	23.6





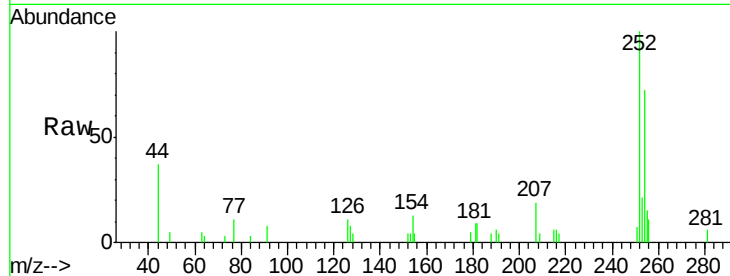
#81
 3,3'-Dichlorobenzidine
 Concen: 0.541 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.02 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	72.4	50.4	75.6
126	11.5	11.3	16.9

Manual Integrations
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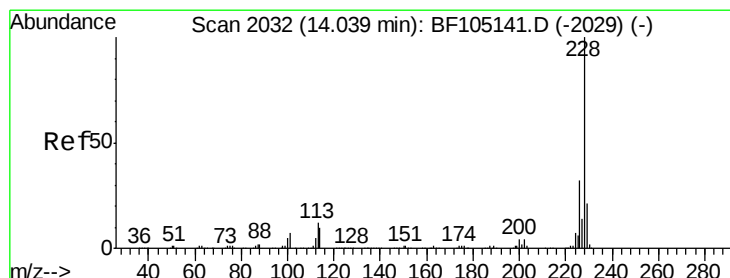
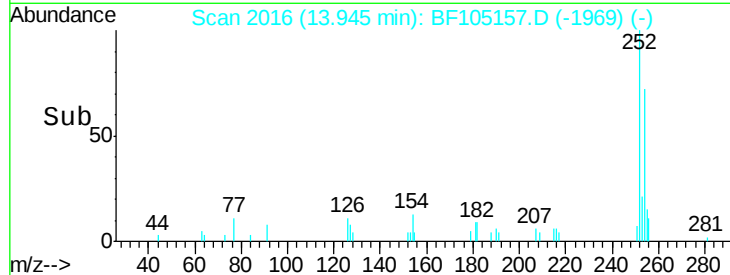
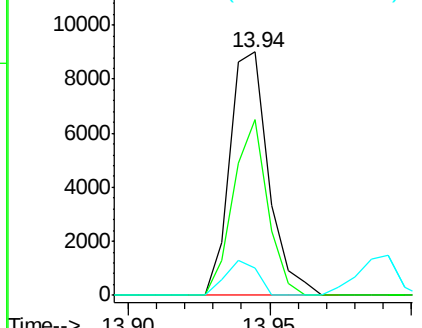


Abundance

Ion 252.00 (251.70 to 252.70): E

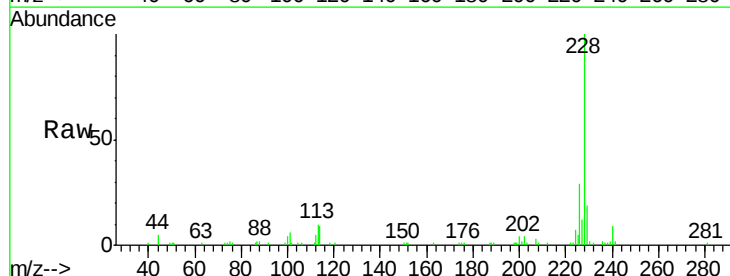
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 1.115 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	18.5	16.2	24.4

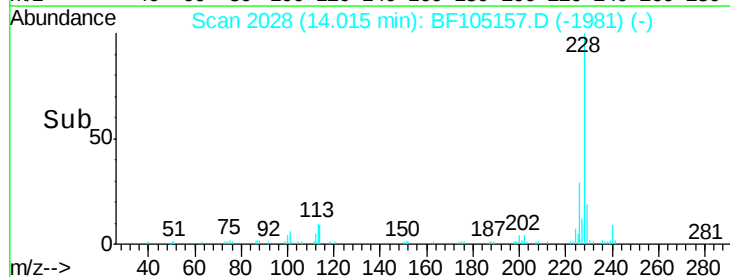
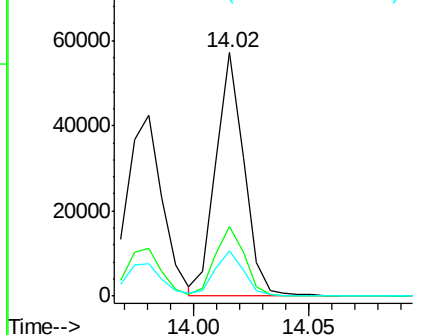


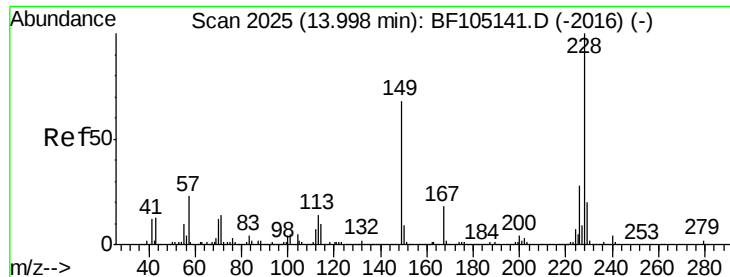
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





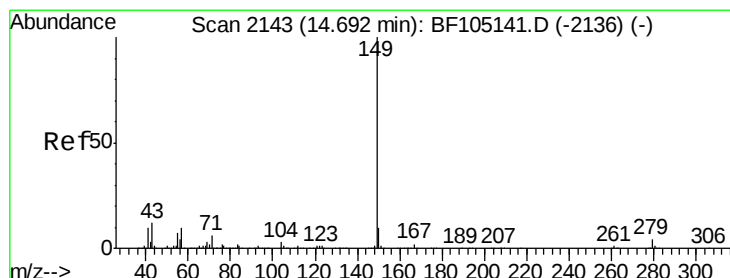
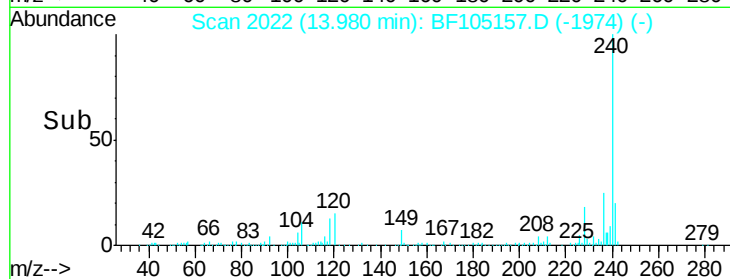
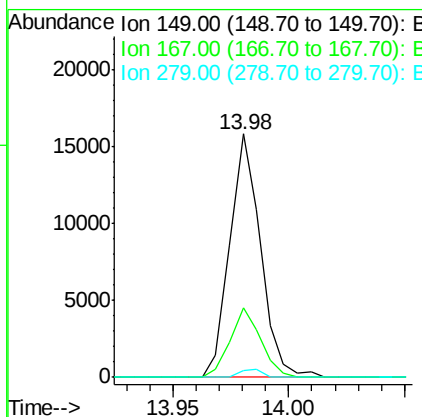
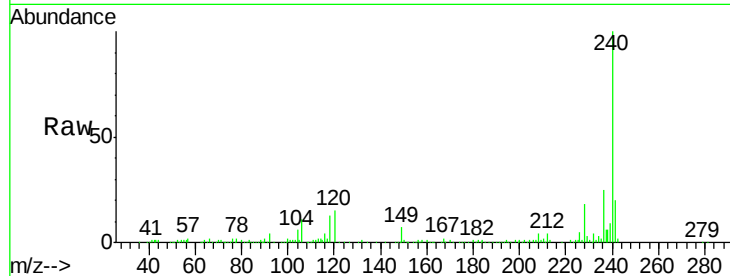
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.703 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

Tot Ion:	149	Resp:	14726
Ion Ratio	Lower	Upper	
149	100		
167	28.6	21.3	31.9
279	2.8	3.0	4.4#

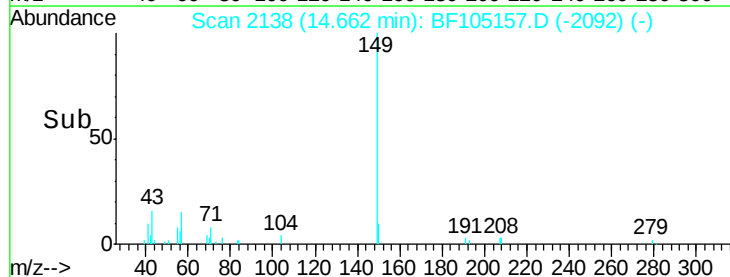
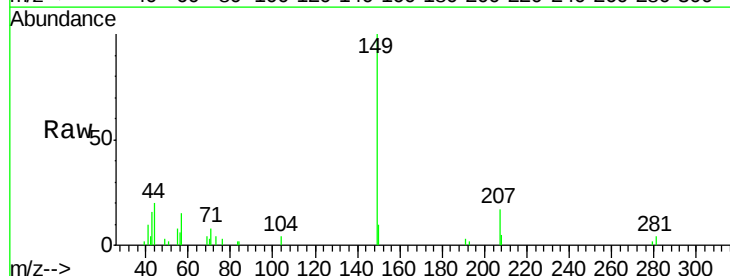
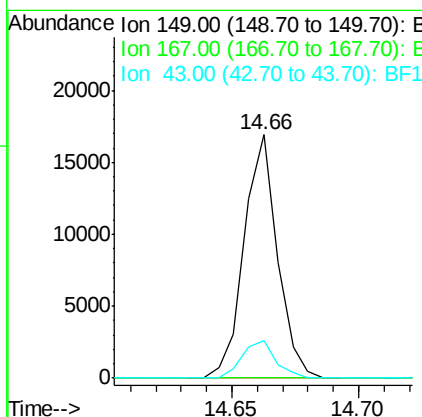
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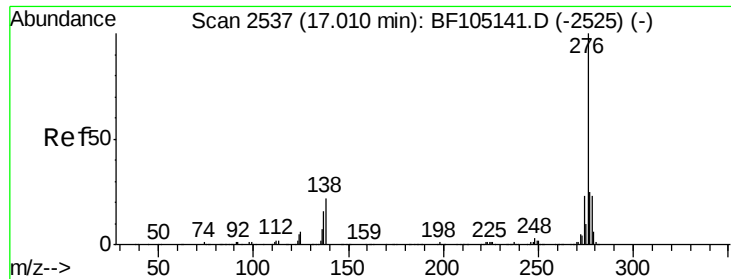
Sohil
 5/9/2018 6:50:58 PM



#84
 Di-n-octyl phthalate
 Concen: 7.262 ng
 RT: 14.66 min Scan# 2138
 Delta R.T. -0.03 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

Tgt Ion:	149	Resp:	15511
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.2	1.8#
43	15.3	8.4	12.6#





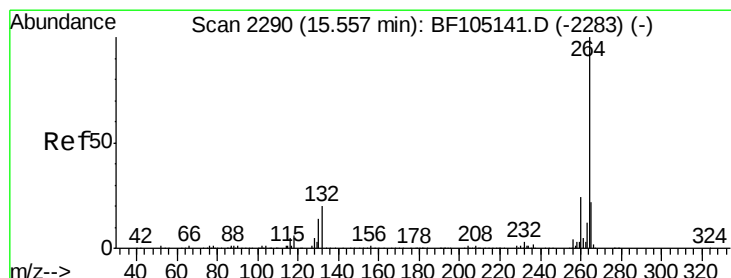
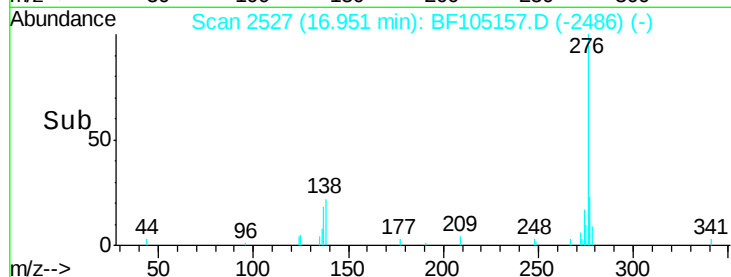
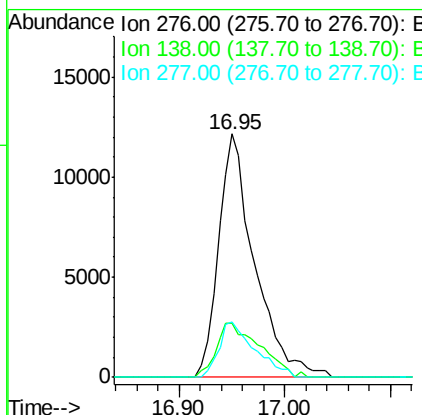
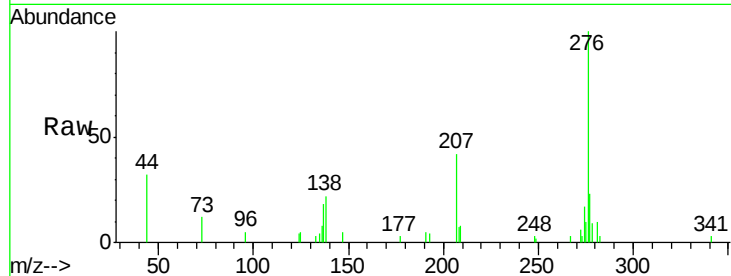
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.835 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.06 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	22.8	20.1	30.1

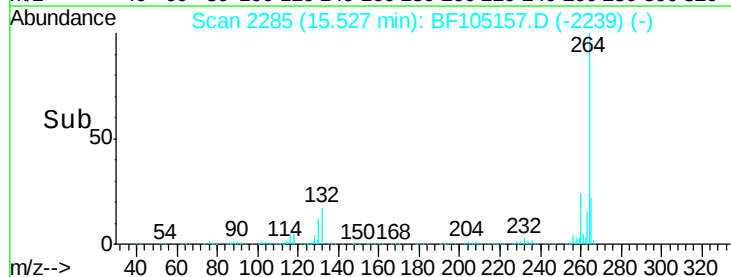
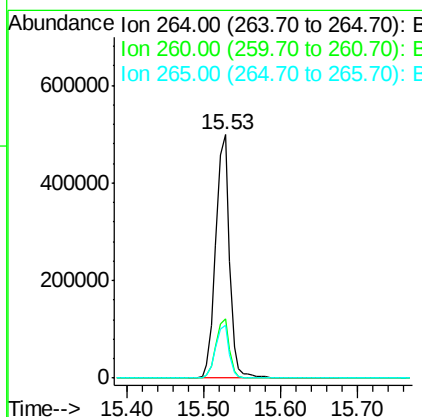
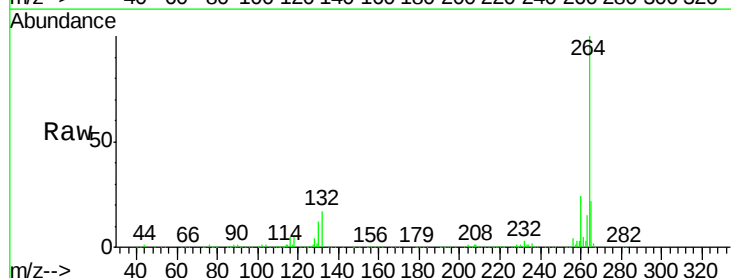
Manual Integrations
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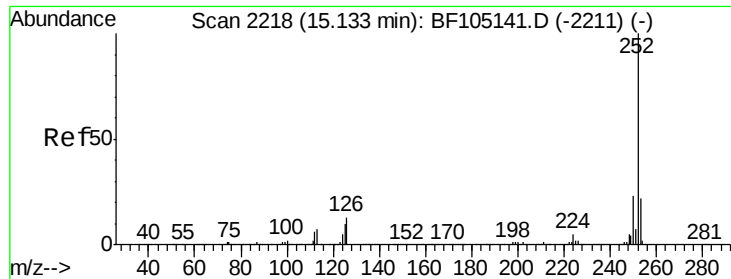
Sohil
5/9/2018 6:50:58 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.03 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.8	17.5	26.3





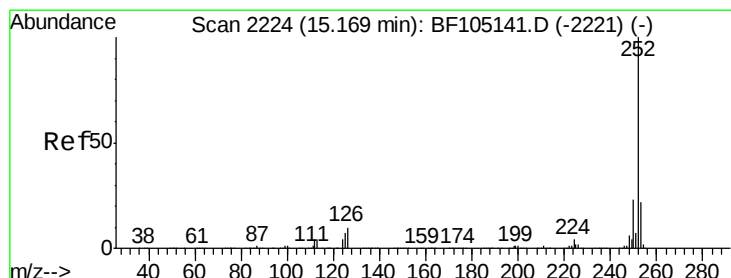
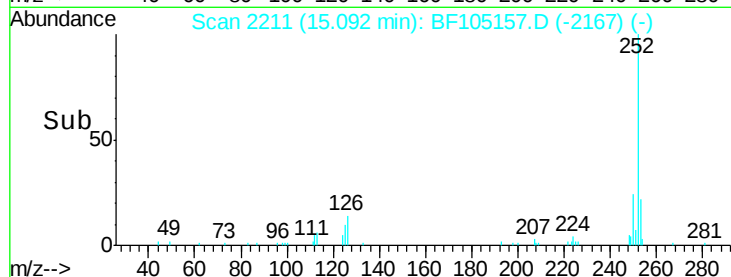
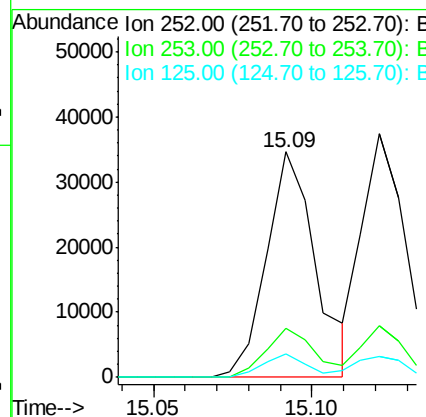
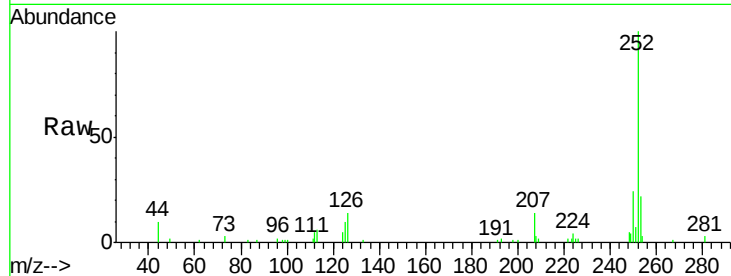
#87
Benzo(b)fluoranthene
Concen: 0.993 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	10.3	9.0	13.6

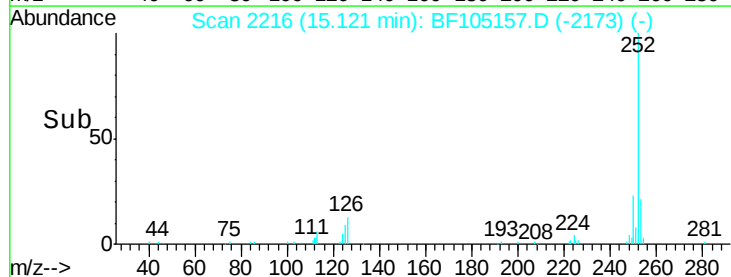
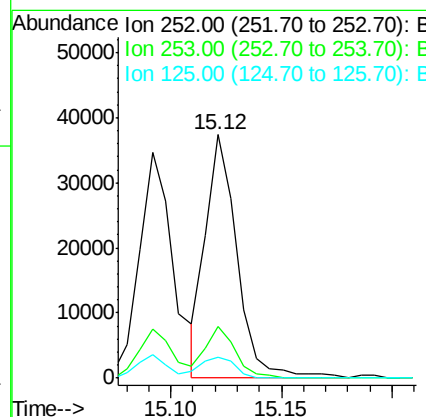
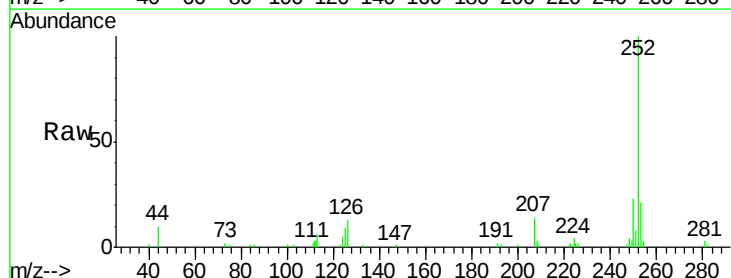
Manual Integrations
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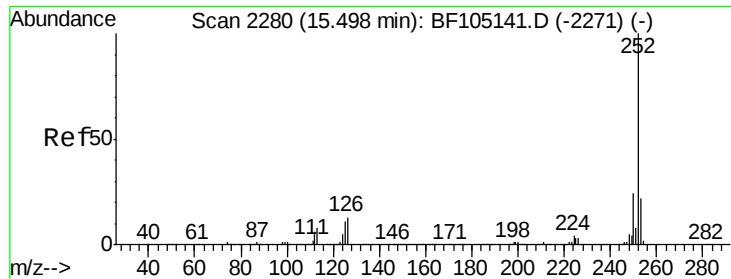
Sohil
5/9/2018 6:50:58 PM



#88
Benzo(k)fluoranthene
Concen: 1.024 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	8.8	10.2	15.2#





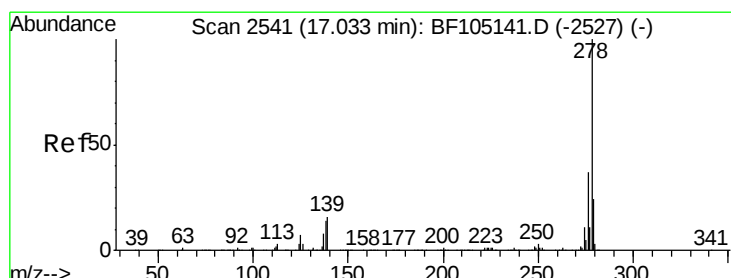
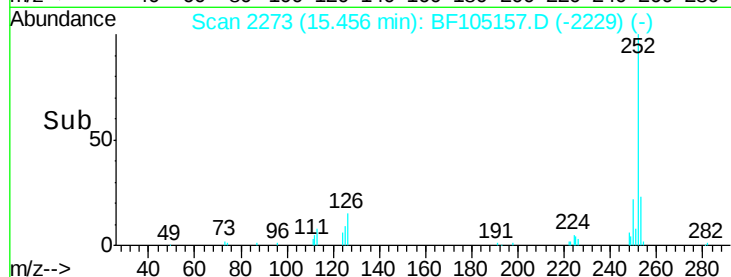
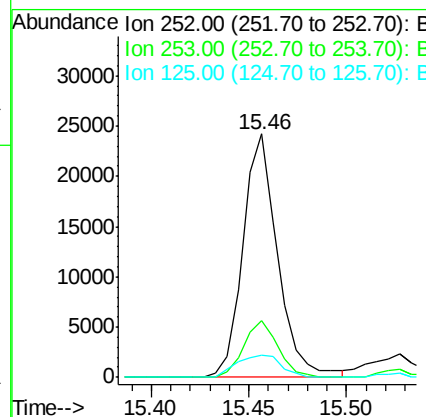
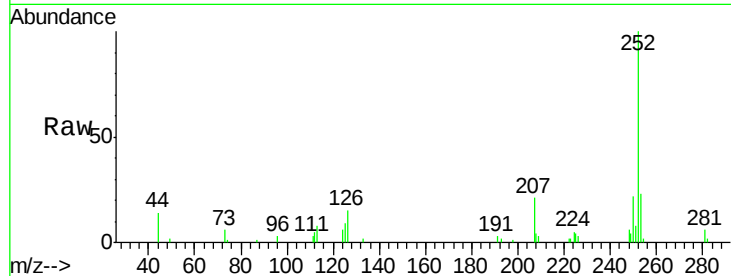
#89
Benzo(a)pyrene
Concen: 0.873 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.04 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	9.4	9.8	14.6

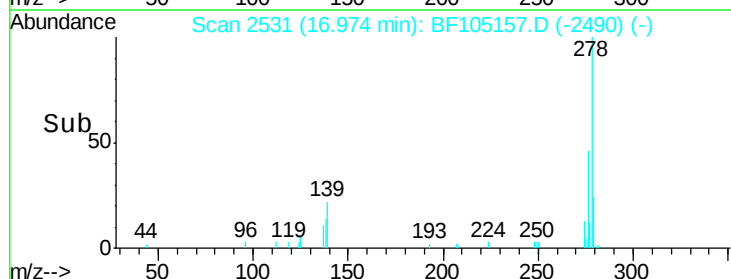
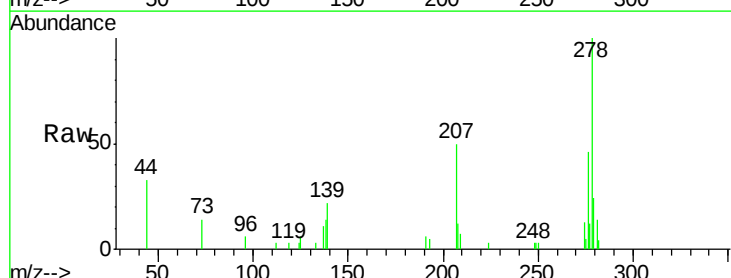
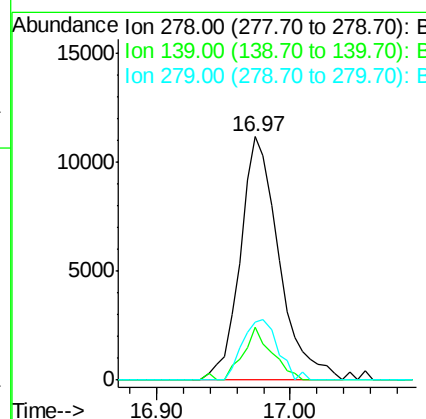
Manual Integrations
APPROVED

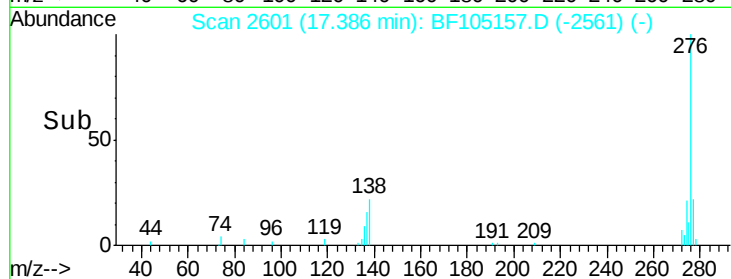
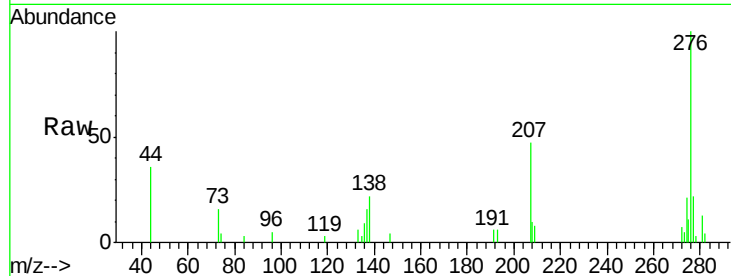
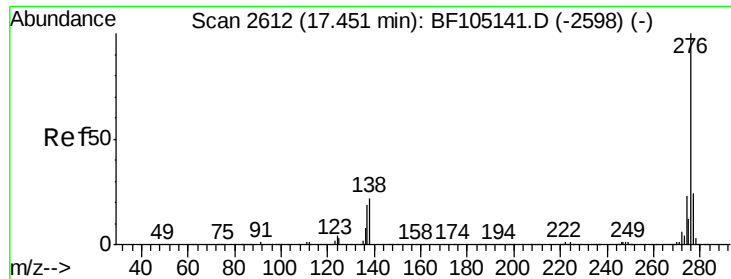
Sohil
5/9/2018 6:50:58 PM



#90
Dibenzo(a,h)anthracene
Concen: 0.848 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.06 min
Lab File: BF105157.D
Acq: 8 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	15.9	23.9
279	23.7	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 0.876 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.06 min
 Lab File: BF105157.D
 Acq: 8 May 2018 21:12

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.9	17.9	26.9
138	21.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 5/9/2018 6:50:58 PM

