

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108025.D
 Acq On : 8 Aug 2018 17:49
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 5 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Manual Integrations
 APPROVED

Sohil
 8/9/2018 5:01:25 PM

Quant Time: Aug 09 07:00:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	249545	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	983168	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	529618	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1103190	20.00	ng	0.00
75) Chrysene-d12	14.21	240	968657	20.00	ng	-0.01
86) Perylene-d12	15.77	264	830162	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	1484244	107.68	ng	0.00
7) Phenol-d6	6.62	99	1991401	108.72	ng	0.00
23) Nitrobenzene-d5	7.57	82	1219088	69.19	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	615137	116.44	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2339102	70.91	ng	0.00
78) Terphenyl-d14	13.15	244	2856356	74.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.92	88	39458	5.571	ng	# 83
3) Pyridine	3.71	79	108040	5.922	ng	# 80
4) n-Nitrosodimethylamine	3.64	42	58096	5.659	ng	# 74
6) Aniline	6.68	93	92263	3.703	ng	98
8) 2-Chlorophenol	6.80	128	93688	6.035	ng	92
9) Benzaldehyde	6.57	77	77886	5.485	ng	95
10) Phenol	6.64	94	115139	6.077	ng	87
11) bis(2-Chloroethyl)ether	6.74	93	96622	6.308	ng	95
12) 1,3-Dichlorobenzene	6.95	146	113597	6.329	ng	97
13) 1,4-Dichlorobenzene	7.03	146	112529	6.240	ng	98
14) 1,2-Dichlorobenzene	7.18	146	103783	6.187	ng	97
15) Benzyl Alcohol	7.14	79	69701	4.520	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.28	45	196644	6.232	ng	96
17) 2-Methylphenol	7.24	107	82373	6.188	ng	97
18) Hexachloroethane	7.53	117	39417	6.139	ng	92
19) n-Nitroso-di-n-propylamine	7.41	70	76668	6.190	ng	# 86
20) 3+4-Methylphenols	7.40	107	106276	6.230	ng	91
22) Acetophenone	7.41	105	147539	6.418	ng	# 94
24) Nitrobenzene	7.59	77	113345	6.362	ng	95
25) Isophorone	7.82	82	202039	6.016	ng	97
26) 2-Nitrophenol	7.91	139	31210	4.639	ng	92
27) 2,4-Dimethylphenol	7.93	122	92101	6.179	ng	98
28) bis(2-Chloroethoxy)methane	8.03	93	121291	6.187	ng	99
29) 2,4-Dichlorophenol	8.14	162	81239	5.923	ng	97
30) 1,2,4-Trichlorobenzene	8.23	180	94260	6.233	ng	99
31) Naphthalene	8.32	128	295957	6.619	ng	99
32) Benzoic acid	7.97	122	25509m	8.557	ng	
33) 4-Chloroaniline	8.36	127	77043	3.954	ng	98
34) Hexachlorobutadiene	8.43	225	58531	6.114	ng	95
35) Caprolactam	8.69	113	24536	5.708	ng	# 82
36) 4-Chloro-3-methylphenol	8.82	107	90286	6.102	ng	96
37) 2-Methylnaphthalene	9.01	142	211532	6.687	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	101545	6.244	ng	97
40) Hexachlorocyclopentadiene	9.16	237	55883	5.320	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	54160	5.366	nq	97
43) 2,4,5-Trichlorophenol	9.32	196	63891	5.751	nq	# 93
45) 1,1'-Biphenyl	9.47	154	257206	6.587	nq	96
46) 2-Chloronaphthalene	9.50	162	199715	6.471	nq	97
47) 2-Nitroaniline	9.59	65	58689	5.877	nq	# 82
48) Acenaphthylene	9.92	152	327780	6.718	nq	100
49) Dimethylphthalate	9.77	163	241278	6.540	nq	98
50) 2,6-Dinitrotoluene	9.83	165	46261	5.993	nq	93
51) Acenaphthene	10.10	154	196071	6.561	nq	98
52) 3-Nitroaniline	10.00	138	42396	5.020	nq	91
53) 2,4-Dinitrophenol	10.10	184	7767	9.474	nq	# 1
54) Dibenzofuran	10.27	168	298137	6.886	nq	99
55) 4-Nitrophenol	10.14	139	33257	5.200	nq	# 77
56) 2,4-Dinitrotoluene	10.23	165	59032	5.942	nq	# 89
57) Fluorene	10.61	166	233223	6.805	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.38	232	51485	5.544	nq	# 89
59) Diethylphthalate	10.47	149	236640	6.624	nq	97
60) 4-Chlorophenyl-phenylether	10.60	204	116199	6.506	nq	91
61) 4-Nitroaniline	10.61	138	48537	5.813	nq	95
62) Azobenzene	10.76	77	245707	6.660	nq	94
64) 4,6-Dinitro-2-methylphenol	10.64	198	13359	8.224	nq	83
65) n-Nitrosodiphenylamine	10.71	169	212049	6.505	nq	97
66) 4-Bromophenyl-phenylether	11.10	248	75778	6.321	nq	# 82
67) Hexachlorobenzene	11.16	284	79228	6.281	nq	# 85
68) Atrazine	11.24	200	68399	6.255	nq	94
69) Pentachlorophenol	11.35	266	25171	4.169	nq	95
70) Phenanthrene	11.58	178	364176	6.999	nq	98
71) Anthracene	11.63	178	372116	6.978	nq	98
72) Carbazole	11.78	167	318555	6.723	nq	99
73) Di-n-butylphthalate	12.11	149	364593	6.793	nq	98
74) Fluoranthene	12.77	202	397623	7.002	nq	95
76) Benzidine	12.89	184	66535	1.838	nq	# 94
77) Pyrene	13.01	202	400923	6.538	nq	99
79) Butylbenzylphthalate	13.61	149	134494	5.523	nq	96
80) Benzo(a)anthracene	14.19	228	361848	6.509	nq	98
81) 3,3'-Dichlorobenzidine	14.15	252	64329	3.229	nq	# 98
82) Chrysene	14.24	228	330786	6.490	nq	98
83) Bis(2-ethylhexyl)phthalate	14.17	149	194998	5.913	nq	98
84) Di-n-octyl phthalate	14.79	149	279116	5.550	nq	# 94
85) Indeno(1,2,3-cd)pyrene	17.37	276	245446	5.558	nq	# 91
87) Benzo(b)fluoranthene	15.29	252	316409	6.378	nq	97
88) Benzo(k)fluoranthene	15.32	252	280916	6.160	nq	# 97
89) Benzo(a)pyrene	15.69	252	271749	6.118	nq	97
90) Dibenzo(a,h)anthracene	17.39	278	204741	5.571	nq	# 95
91) Benzo(g,h,i)perylene	17.87	276	198076	5.473	nq	# 91

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

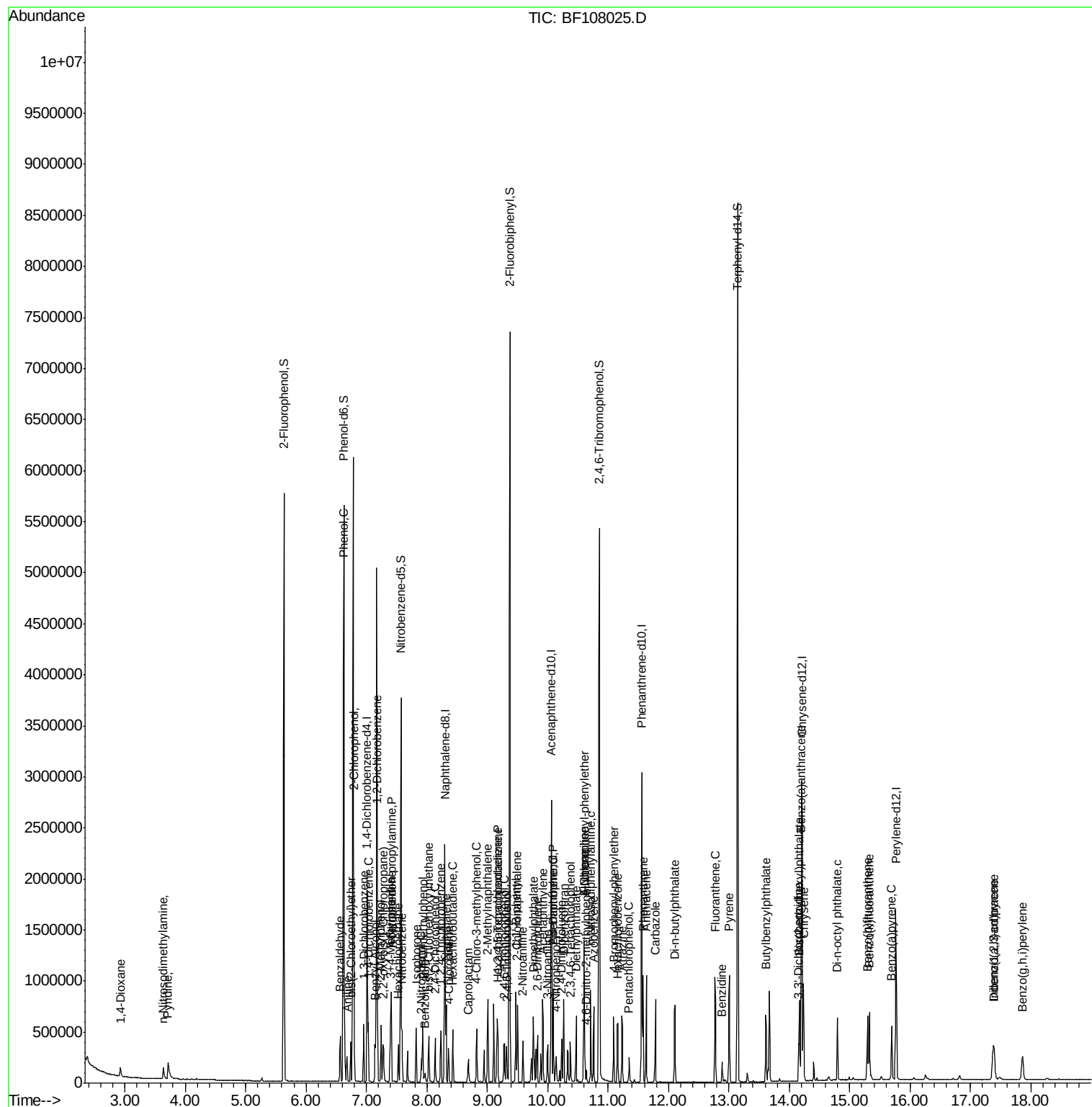
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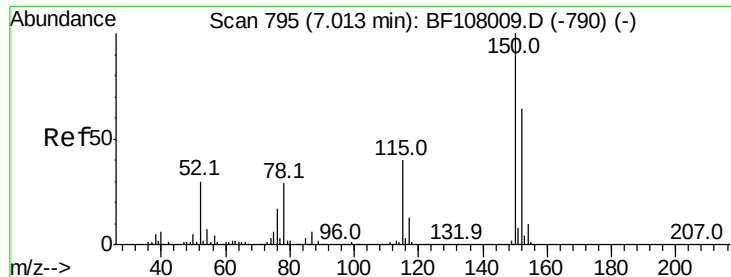
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#1

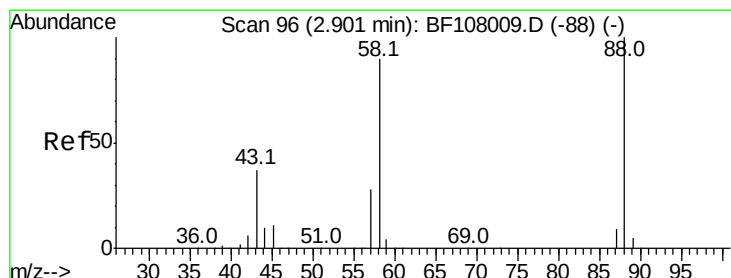
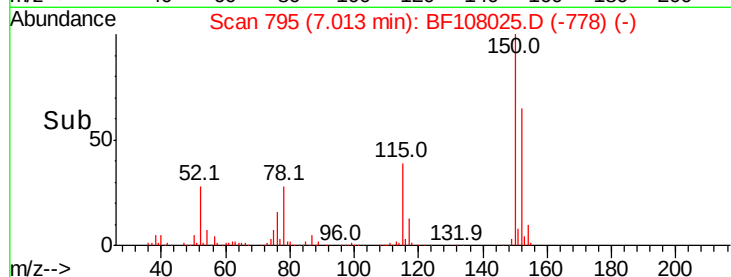
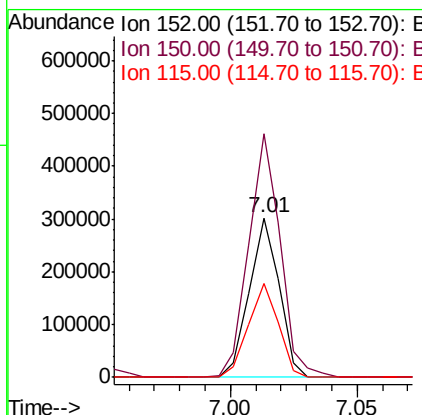
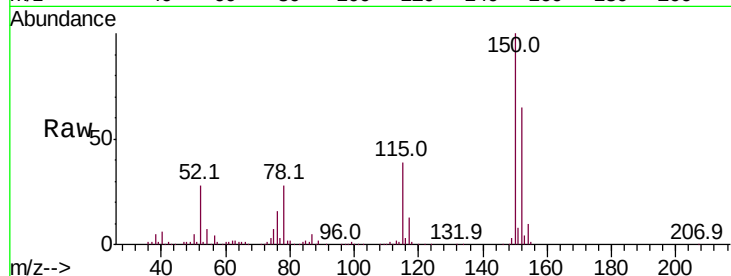
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	59.2	50.1	75.1

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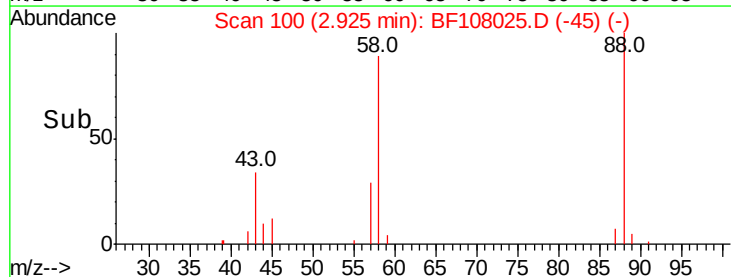
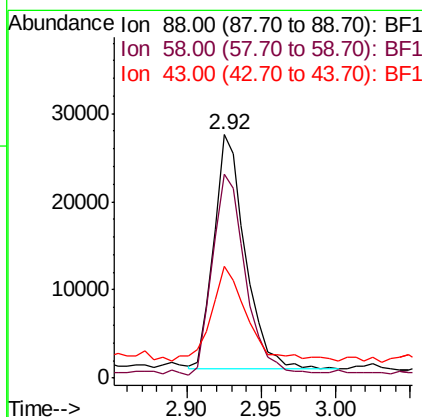
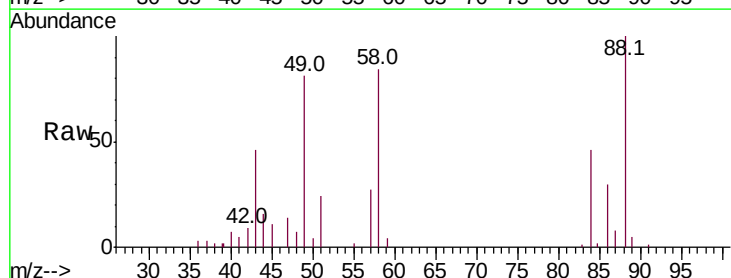
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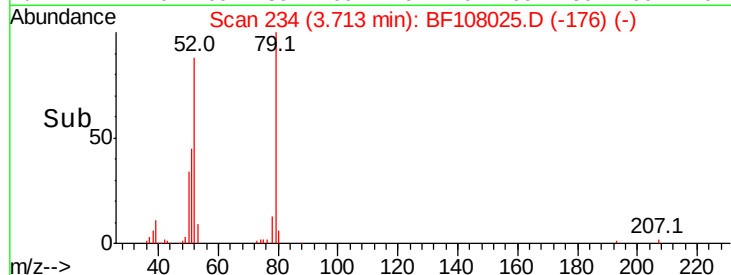
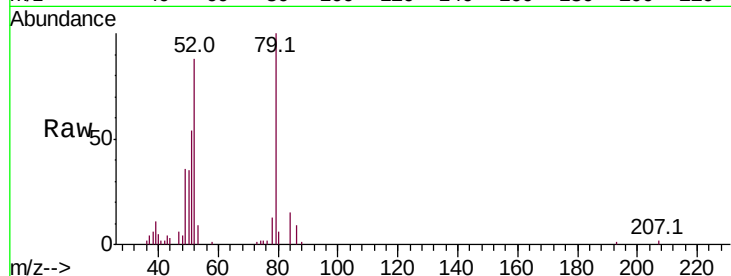
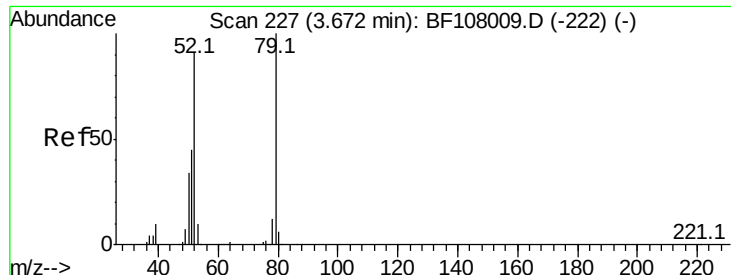


#2

1,4-Dioxane
Concen: 5.571 ng
RT: 2.92 min Scan# 100
Delta R.T. 0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.9	62.6	93.8
43	46.1	24.6	37.0





#3

Pvridine

Concen: 5.922 ng

RT: 3.71 min Scan# 234

Delta R.T. 0.04 min

Lab File: BF108025.D

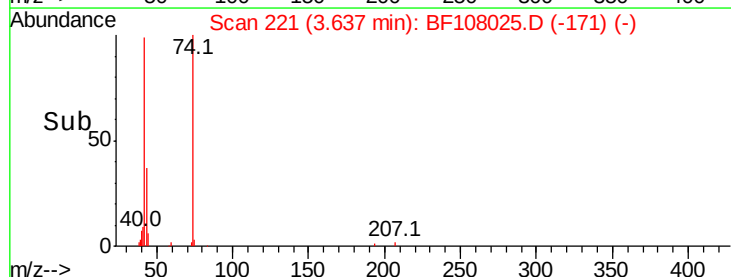
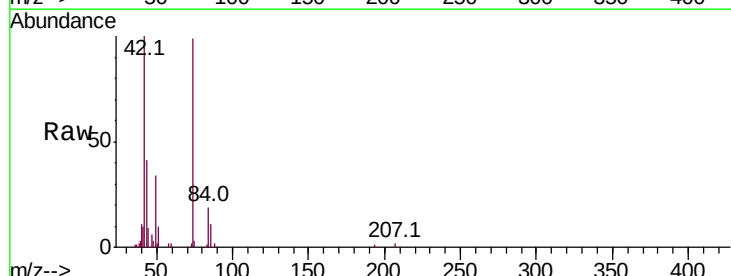
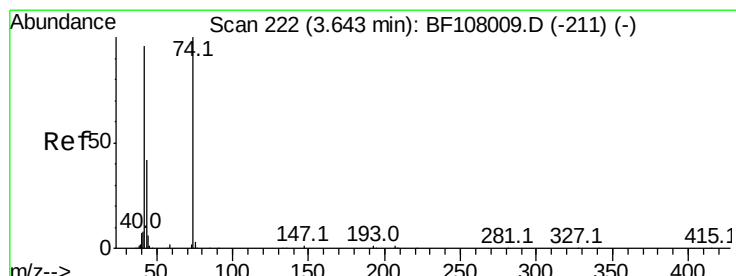
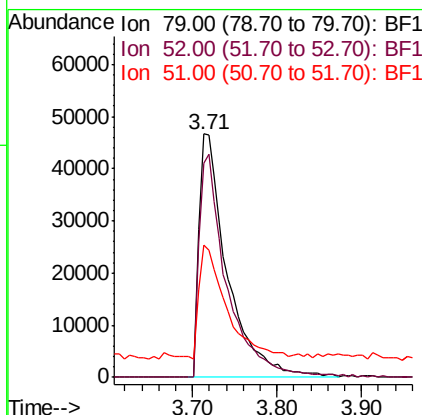
Acq: 8 Aug 2018 17:49

Tot Ion	Ratio	Lower	Upper
79	100		
52	88.1	59.8	89.6
51	54.5	29.8	44.8

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 5.659 ng

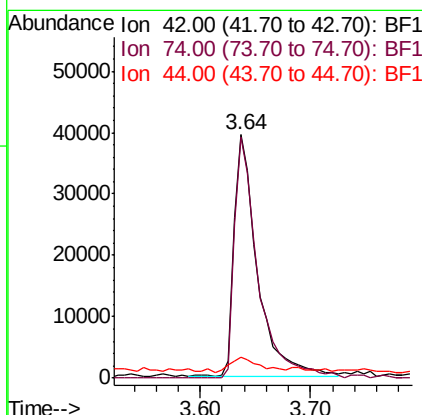
RT: 3.64 min Scan# 221

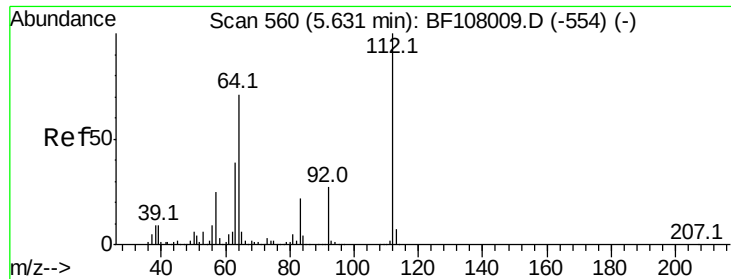
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
42	100		
74	99.2	104.9	157.3
44	8.7	6.9	10.3





#5

2-Fluorophenol

Concen: 107.682 ng

RT: 5.64 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

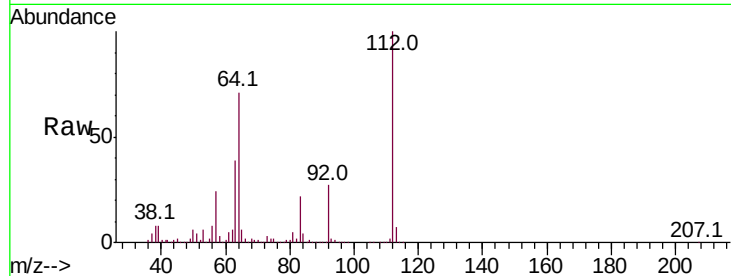
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	112	Resp:	1484244
Ion Ratio	Lower	Upper	
112	100		
64	70.6	47.9	71.9
63	38.5	23.7	35.5#

Manual Integrations
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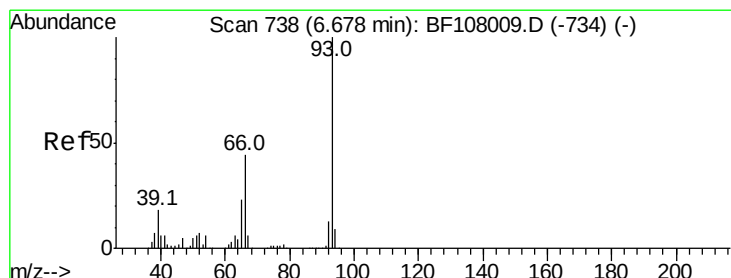
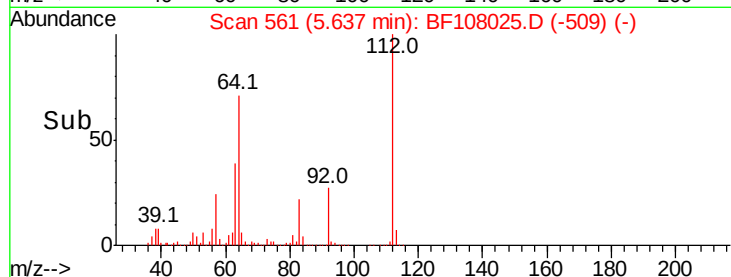
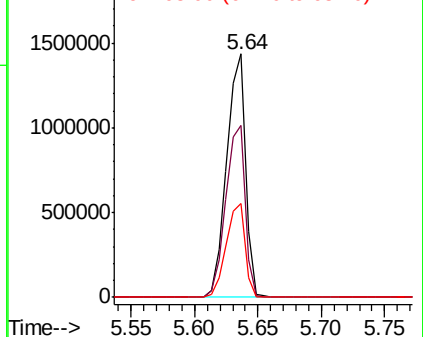
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 3.703 ng

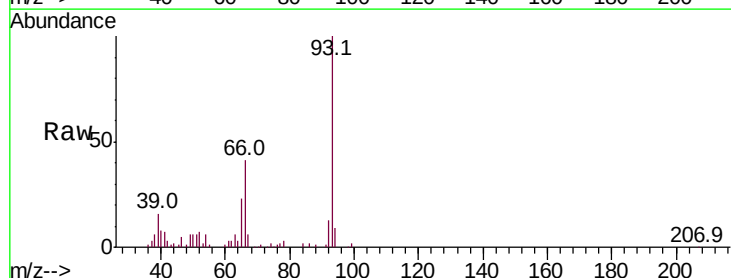
RT: 6.68 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

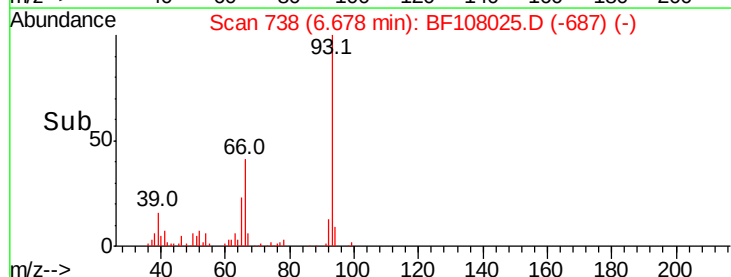
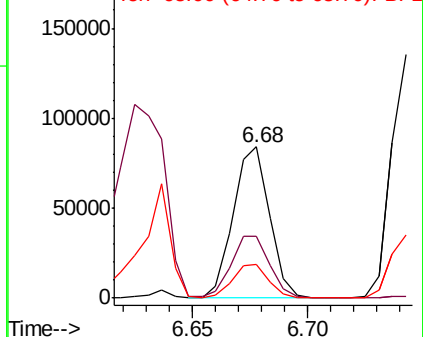
Tgt Ion:	93	Resp:	92263
Ion Ratio	Lower	Upper	
93	100		
66	41.0	32.2	48.2
65	22.6	16.4	24.6

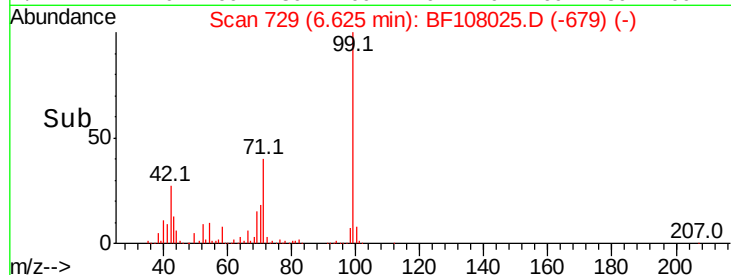
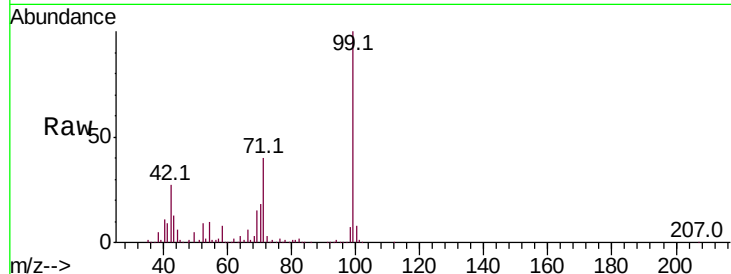
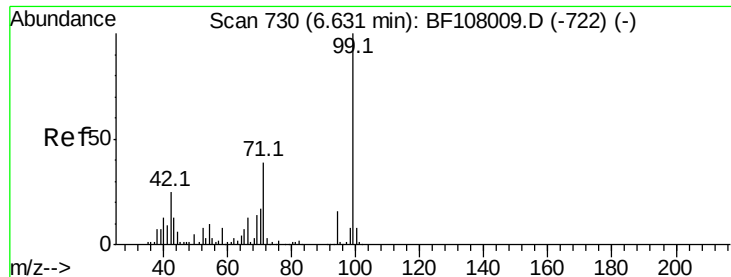


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 108.722 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tot Ion:	99	Resp:	1991401
Ion	Ratio	Lower	Upper
99	100		
42	27.0	14.5	21.7#
71	40.0	25.4	38.0#

Instrument :

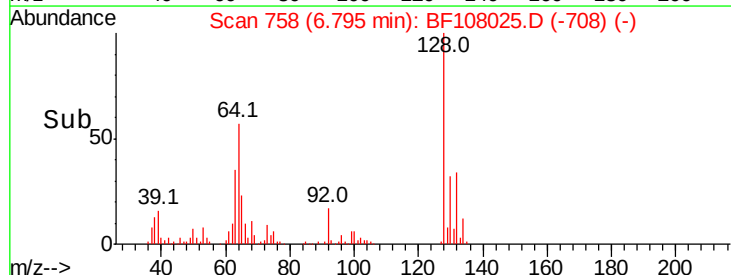
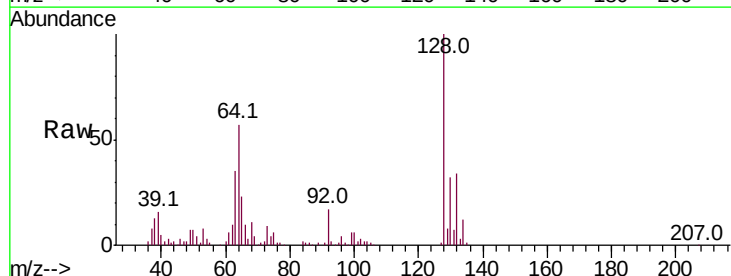
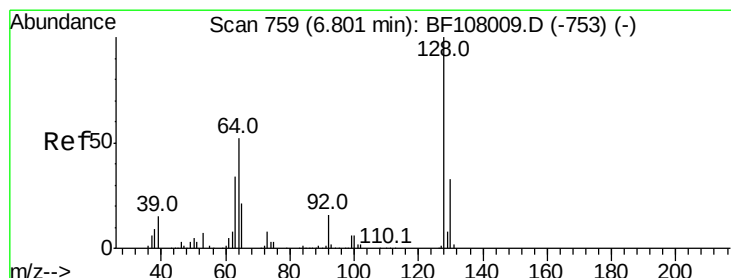
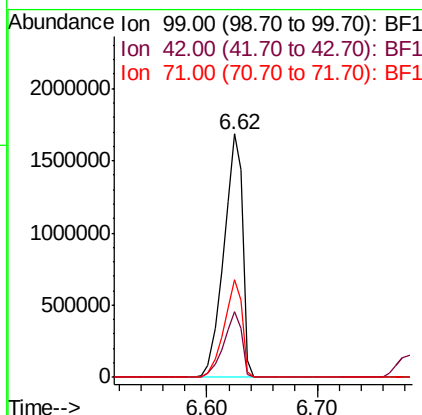
BNA_F

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#8

2-Chlorophenol

Concen: 6.035 ng

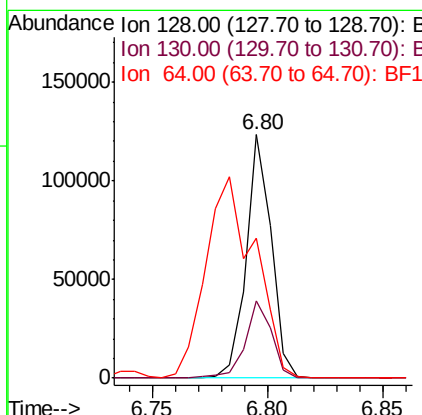
RT: 6.80 min Scan# 758

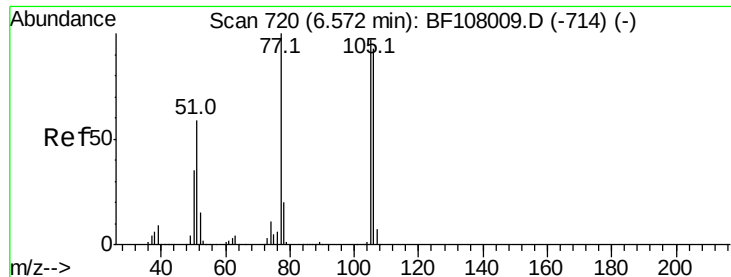
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:	128	Resp:	93688
Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.0	53.0
64	57.4	29.4	69.4





#9

Benzaldehyde

Concen: 5.485 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

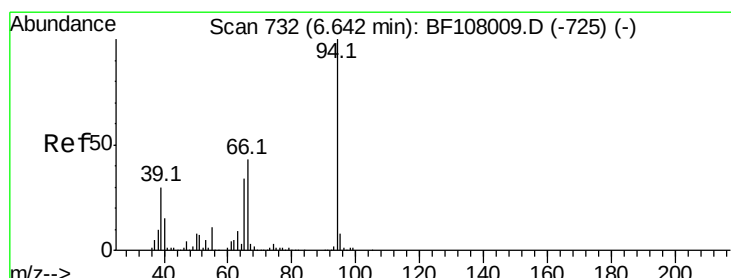
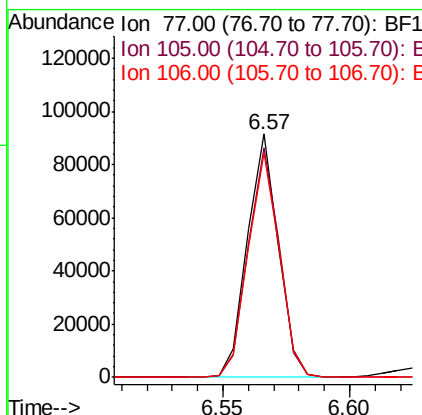
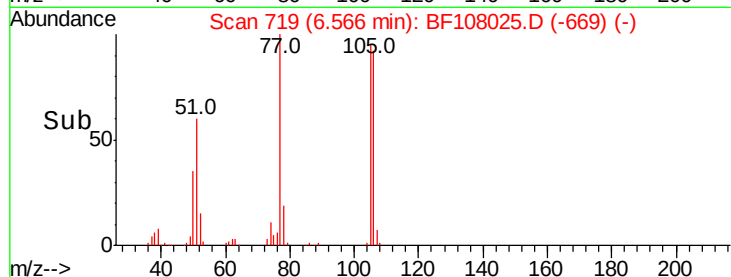
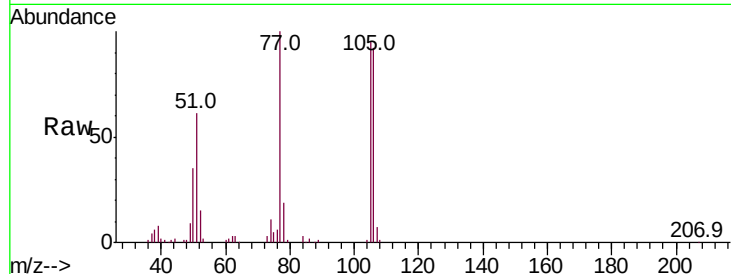
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	77	Resp:	77886
Ion	Ratio	Lower	Upper
77	100		
105	94.5	81.1	121.1
106	92.1	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 6.077 ng

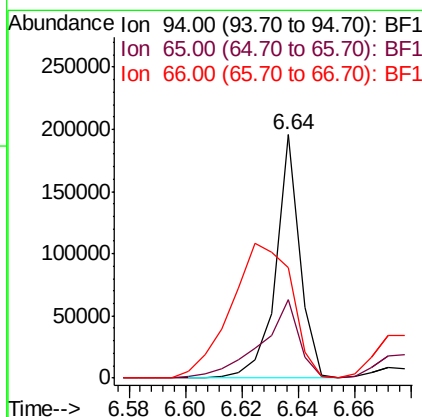
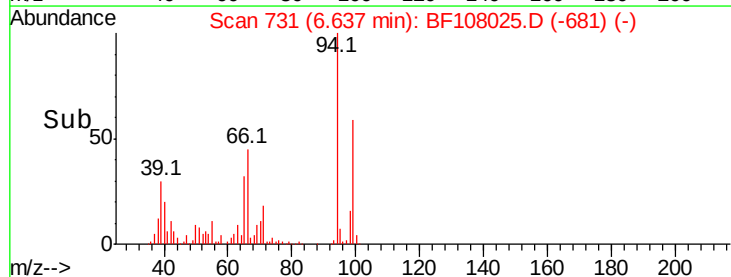
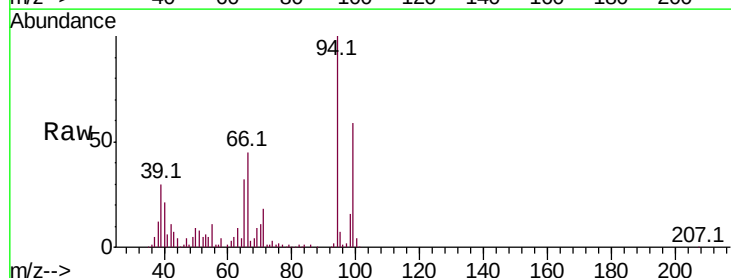
RT: 6.64 min Scan# 731

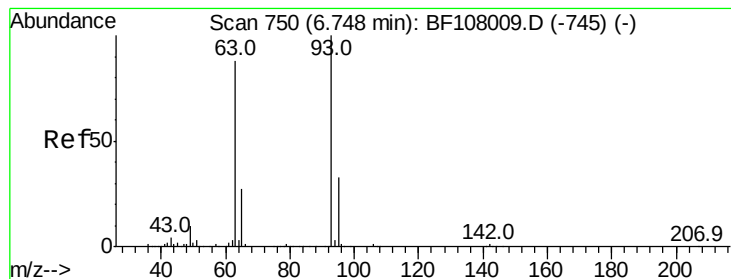
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:	94	Resp:	115139
Ion	Ratio	Lower	Upper
94	100		
65	32.4	7.9	47.9
66	45.4	16.2	56.2





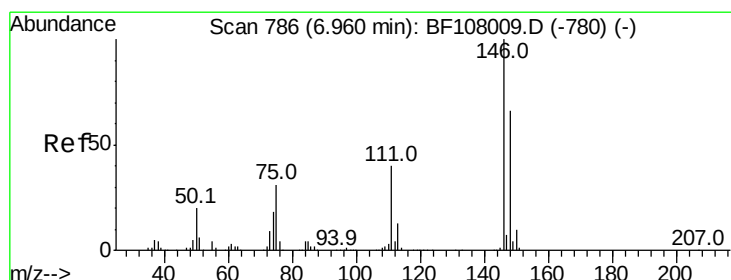
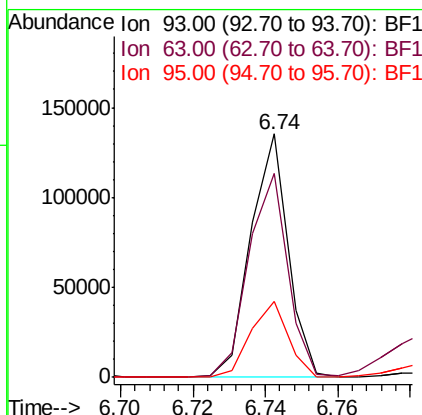
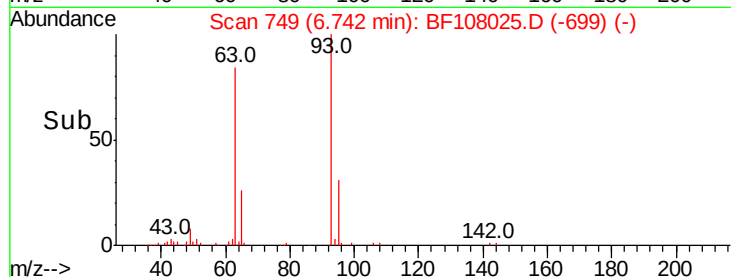
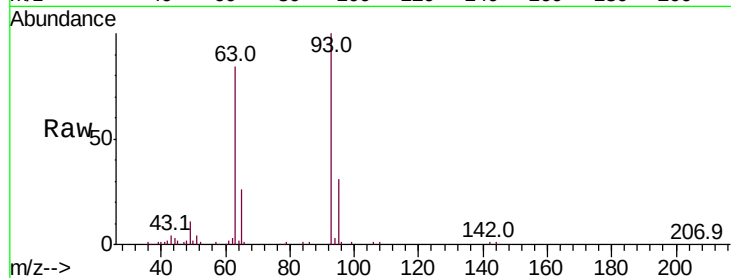
#11
bis(2-Chloroethyl)ether
Concen: 6.308 ng
RT: 6.74 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	93	Resp	96622
Ion Ratio	100	Lower	Upper
93	100		
63	83.9	58.6	98.6
95	31.4	11.8	51.8

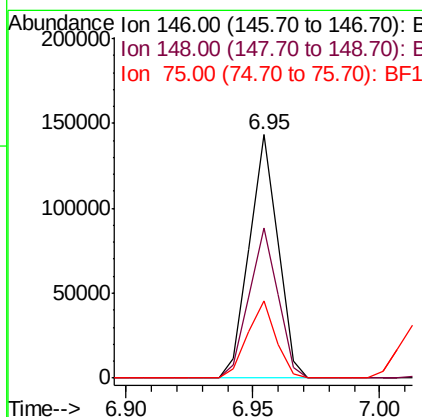
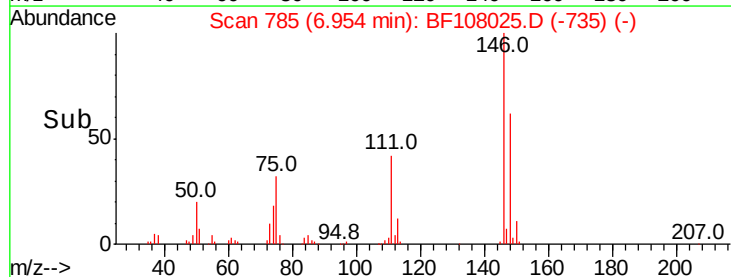
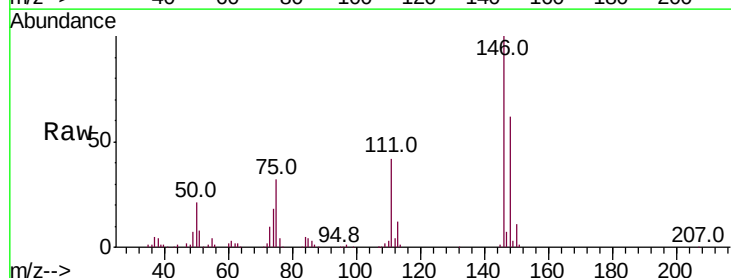
Manual Integrations
APPROVED

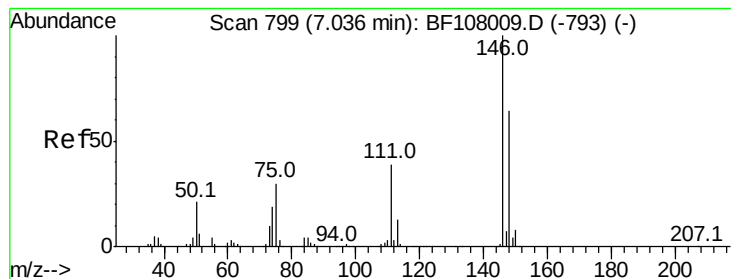
Sohil
8/9/2018 5:01:25 PM



#12
1,3-Dichlorobenzene
Concen: 6.329 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	146	Resp	113597
Ion Ratio	100	Lower	Upper
146	100		
148	61.8	51.8	77.8
75	31.7	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 6.240 ng

RT: 7.03 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

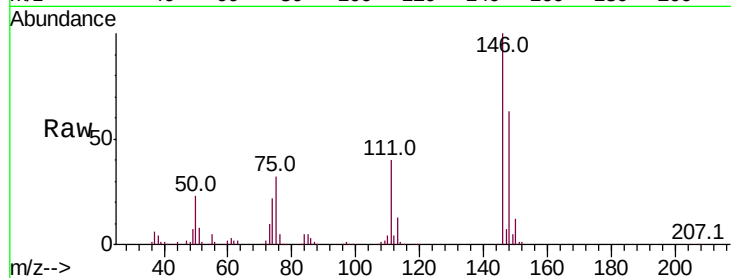
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	146	Resp:	112529
Ion Ratio	Lower	Upper	
146	100		
148	63.3	50.8	76.2
111	39.9	34.2	51.2

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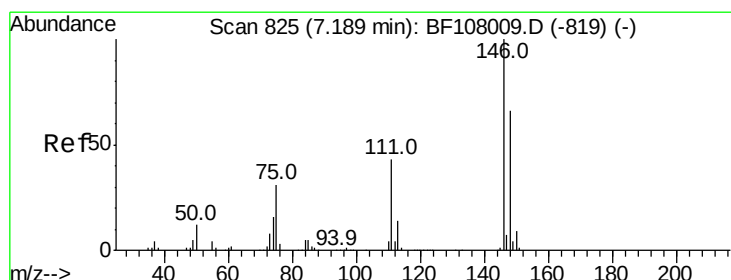
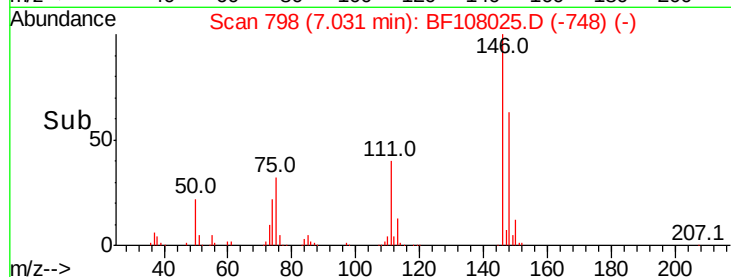
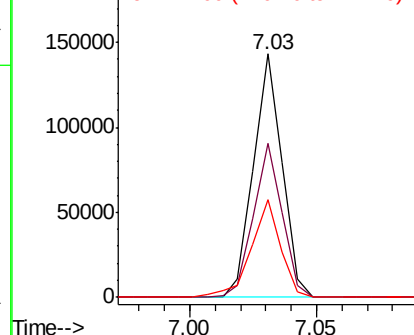


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 6.187 ng

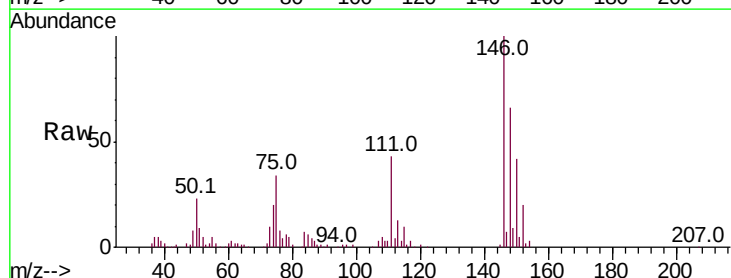
RT: 7.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:	146	Resp:	103783
Ion Ratio	Lower	Upper	
146	100		
148	65.9	50.6	75.8
111	43.2	36.0	54.0

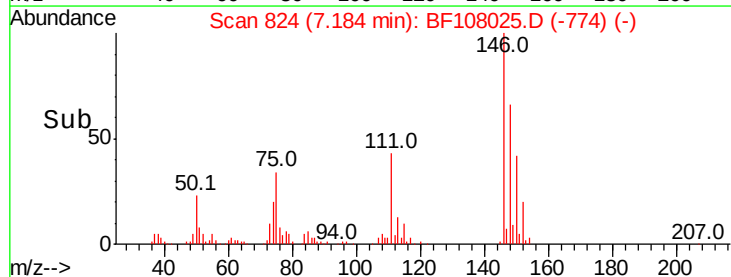
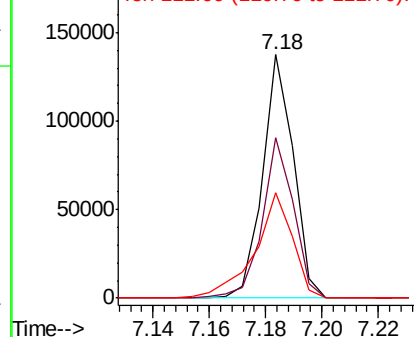


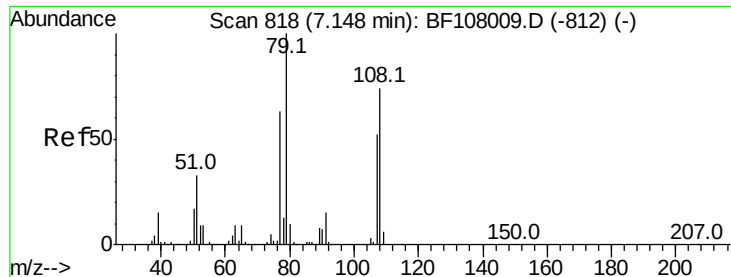
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





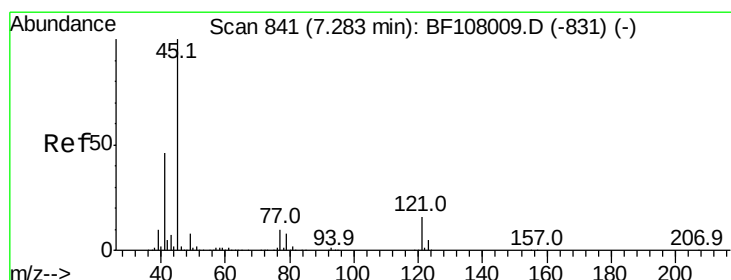
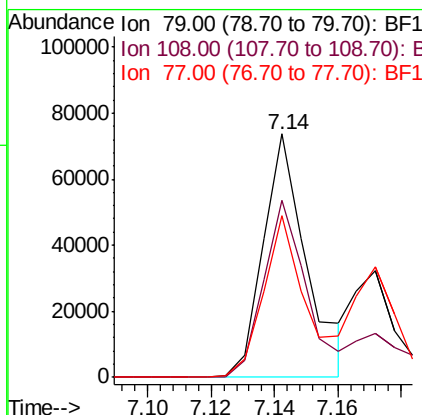
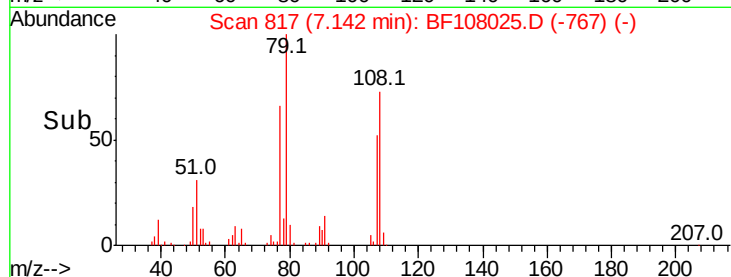
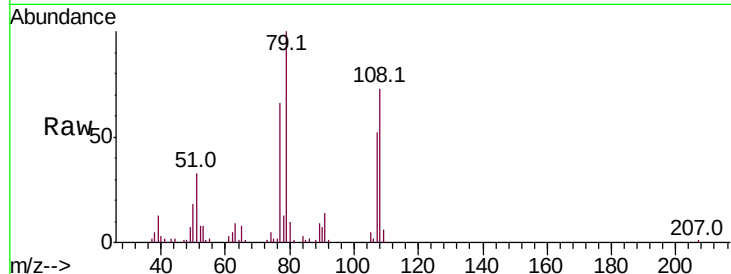
#15
Benzyl Alcohol
Concen: 4.520 ng
RT: 7.14 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.7	65.1	97.7
77	66.2	50.6	75.8

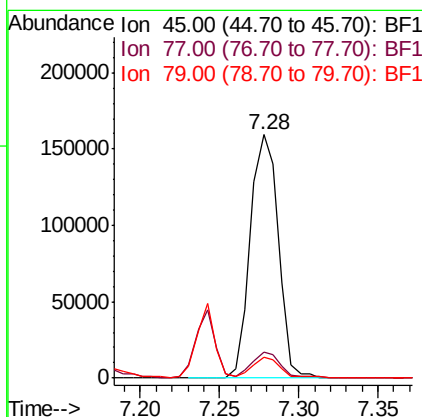
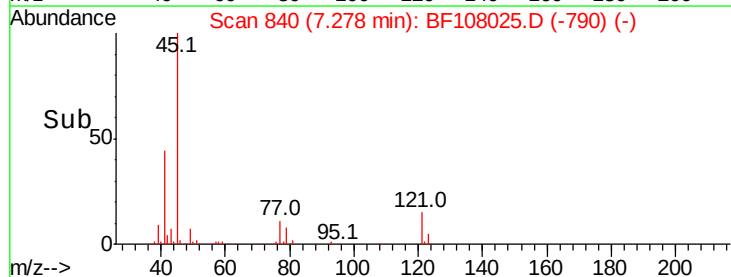
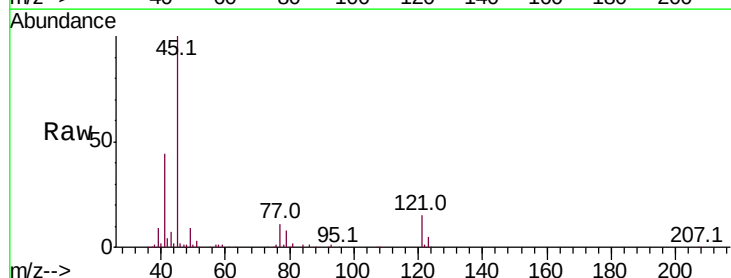
Manual Integrations
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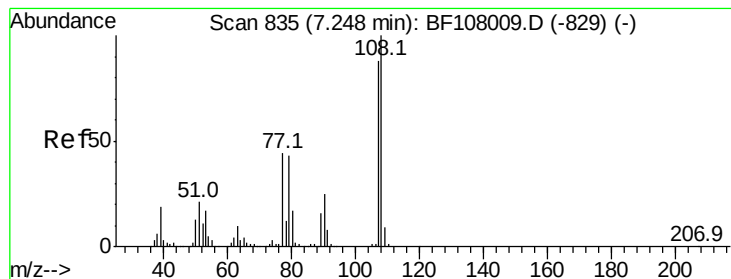
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#16
2,2'-oxybis(1-chloropropane)
Concen: 6.232 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	32.9
79	8.4	0.0	29.6





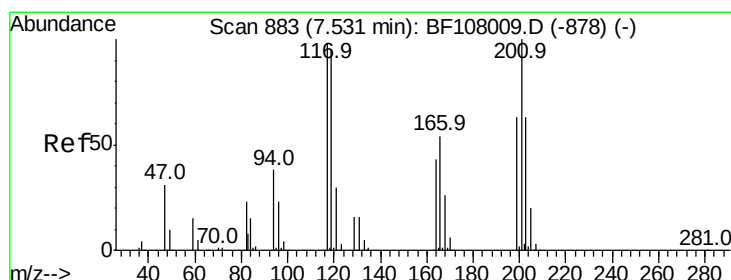
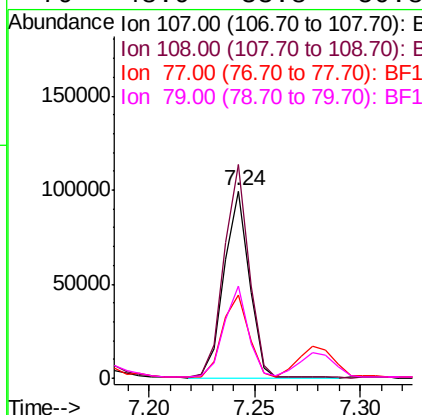
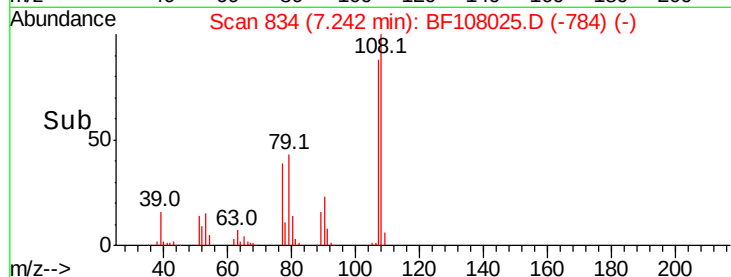
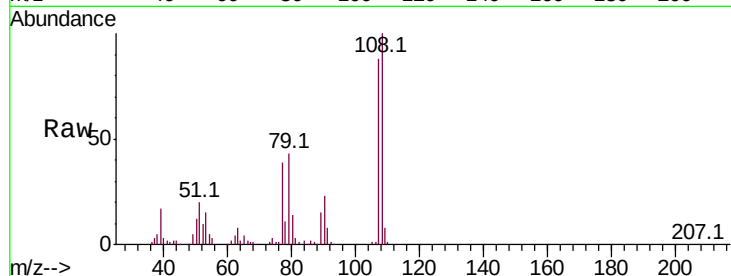
#17
2-Methylphenol
Concen: 6.188 ng
RT: 7.24 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.1	91.7	137.5	
77	44.5	33.8	50.8	
79	48.9	33.8	50.8	

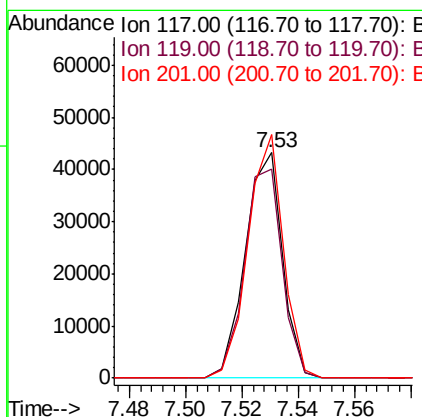
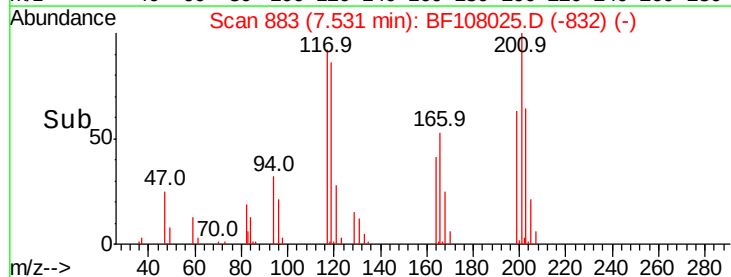
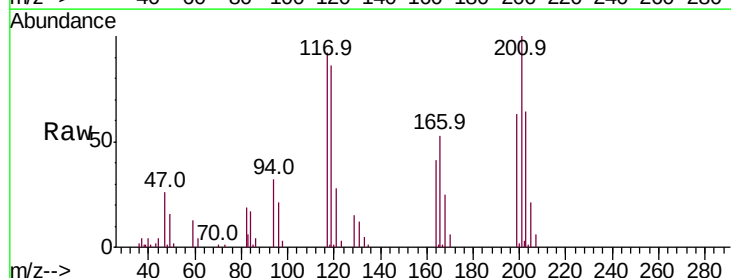
Manual Integrations
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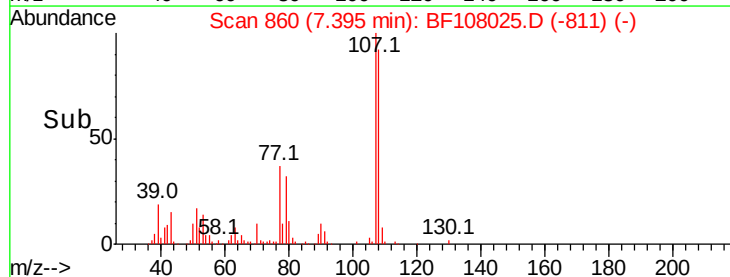
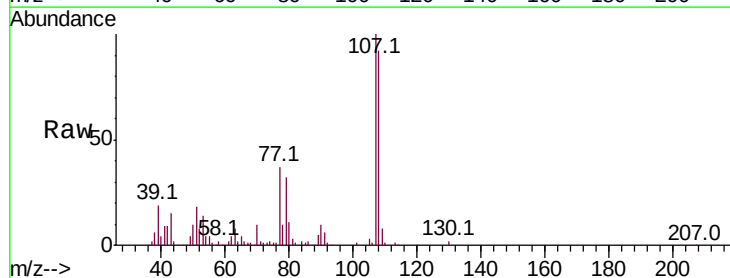
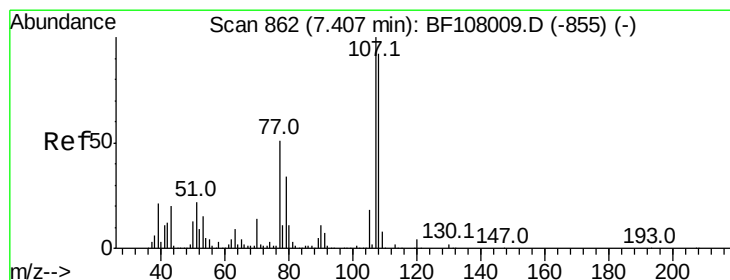
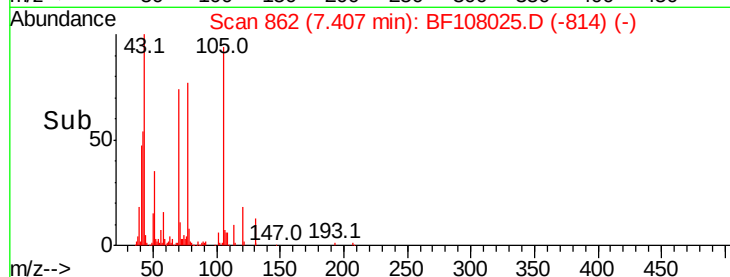
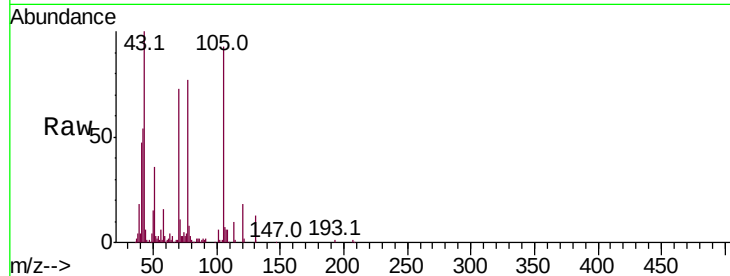
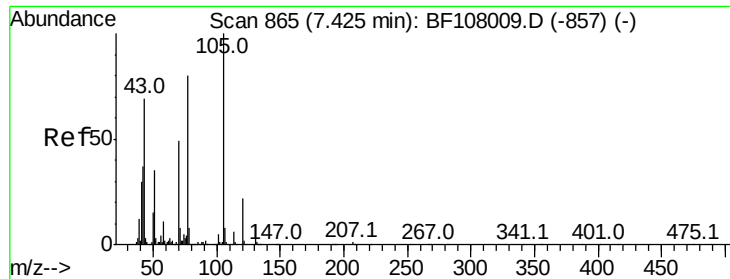
Sohil
8/9/2018 5:01:25 PM



#18
Hexachloroethane
Concen: 6.139 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.0	75.8	113.8	
201	108.2	75.7	113.5	





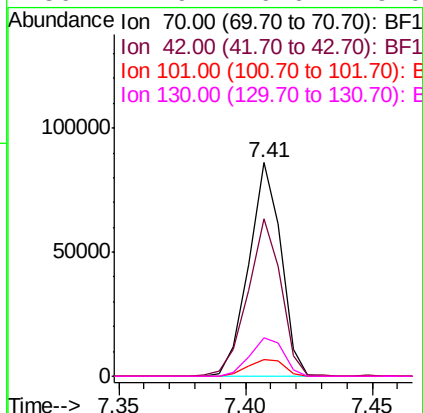
#19
n-Nitroso-di-n-propylamine
Concen: 6.190 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
70	100		
42	73.5	47.5	71.3#
101	7.5	7.4	11.2
130	17.9	16.6	25.0

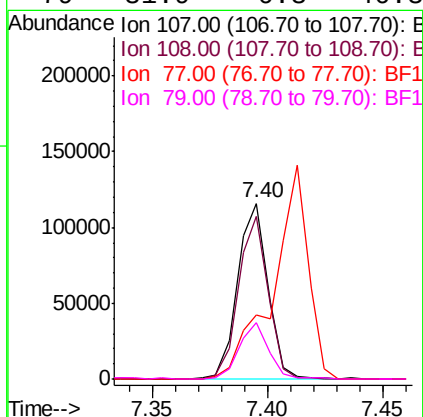
Manual Integrations
APPROVED

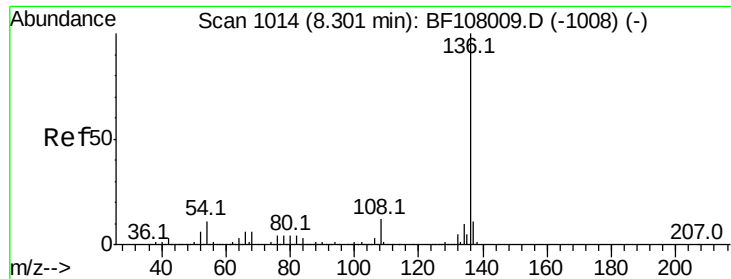
Sohil
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#20
3+4-Methylphenols
Concen: 6.230 ng
RT: 7.40 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.4	68.2	108.2
77	36.8	26.7	66.7
79	31.9	6.3	46.3





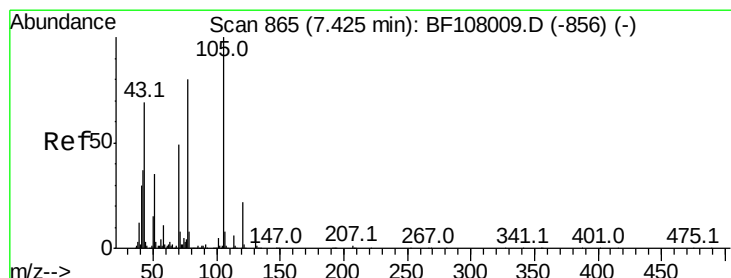
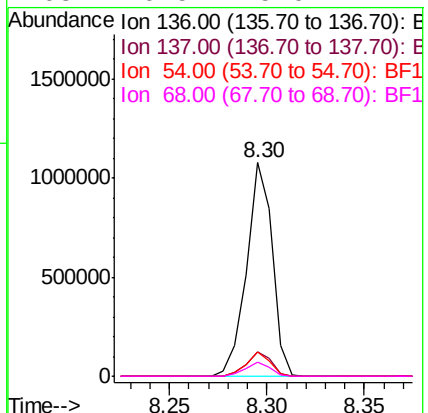
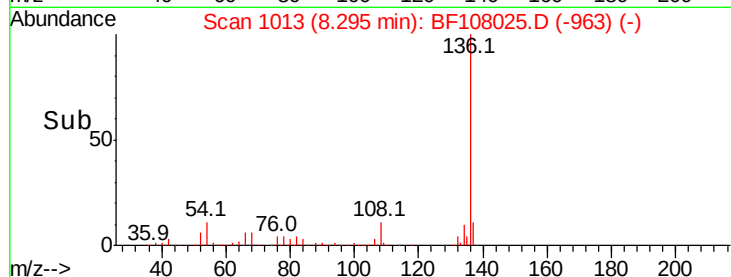
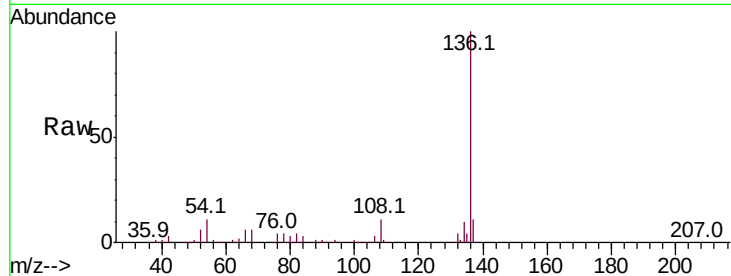
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.9	13.3	
54	11.3	6.6	9.8	
68	6.5	5.0	7.4	

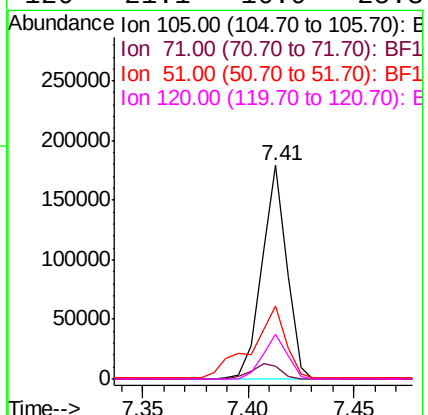
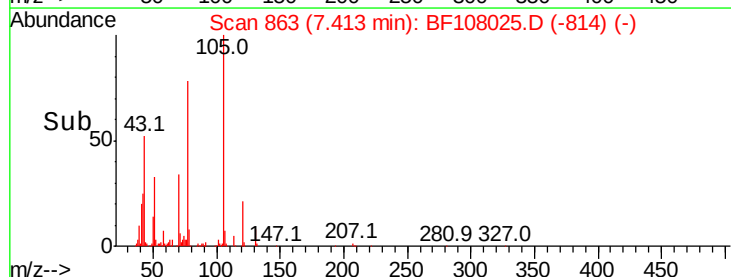
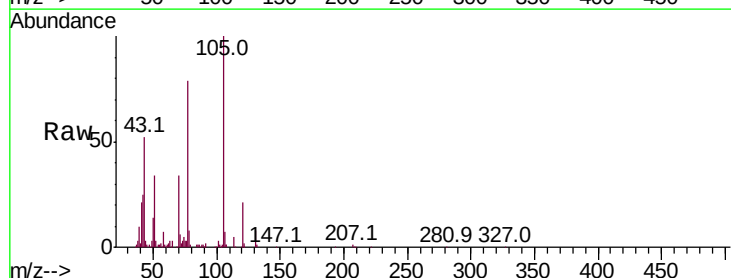
Manual Integrations
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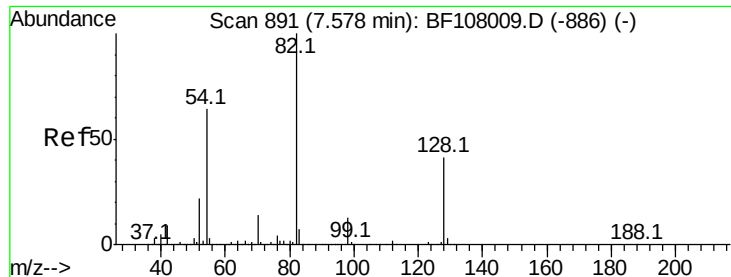
Sohil
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#22
Acetophenone
Concen: 6.418 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.8	4.4	6.6	
51	34.1	22.3	33.5	
120	21.1	16.9	25.3	





#23

Nitrobenzene-d5

Concen: 69.192 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 82 Resp: 1219088

Ion Ratio Lower Upper

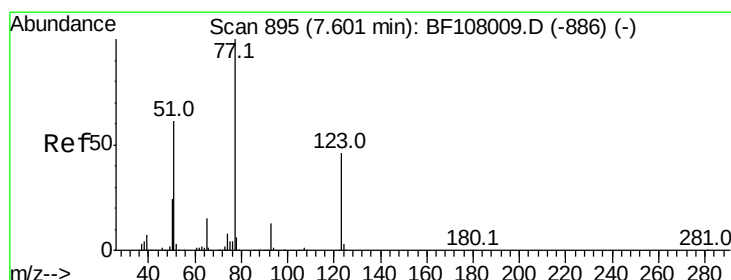
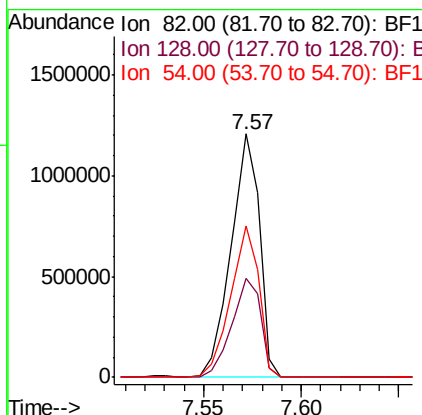
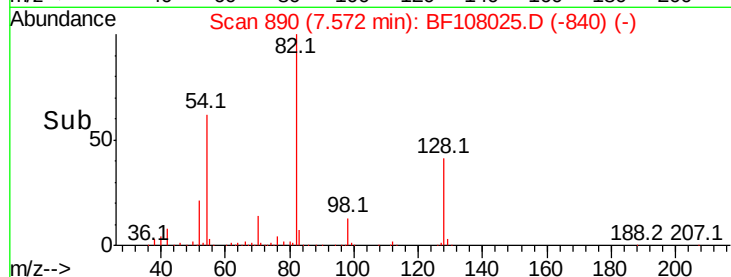
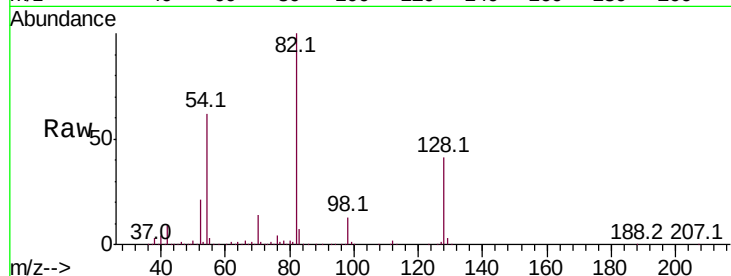
82 100

128 40.8 36.1 54.1

54 62.3 41.4 62.2#

Manual Integrations
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#24

Nitrobenzene

Concen: 6.362 ng

RT: 7.59 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

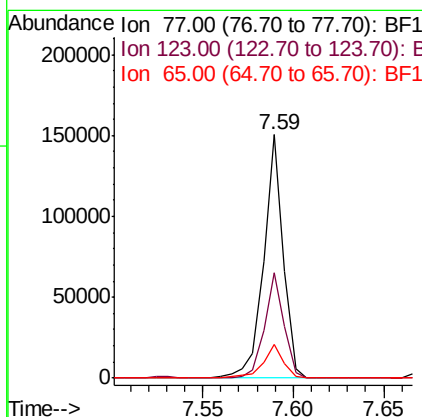
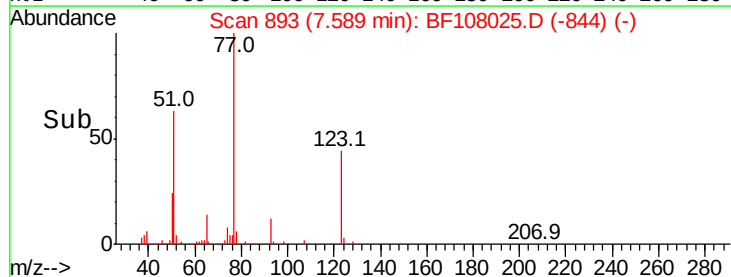
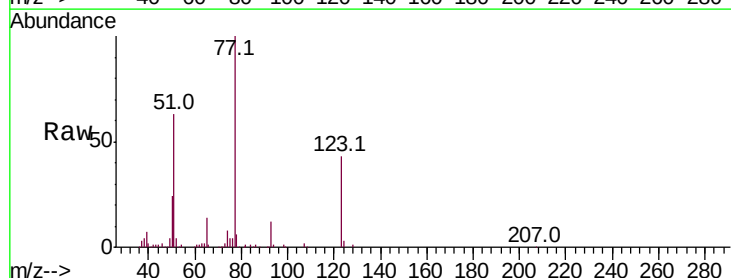
Tgt Ion: 77 Resp: 113345

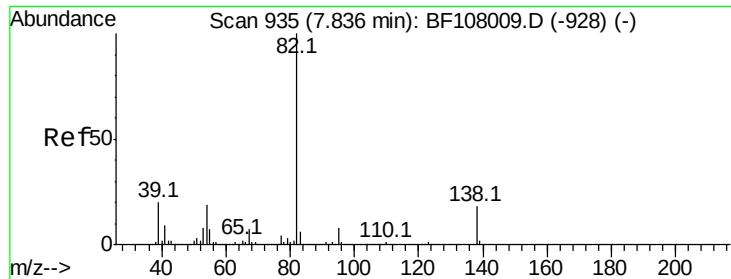
Ion Ratio Lower Upper

77 100

123 43.3 37.9 56.9

65 13.8 11.0 16.4





#25

Isophorone

Concen: 6.016 ng

RT: 7.82 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

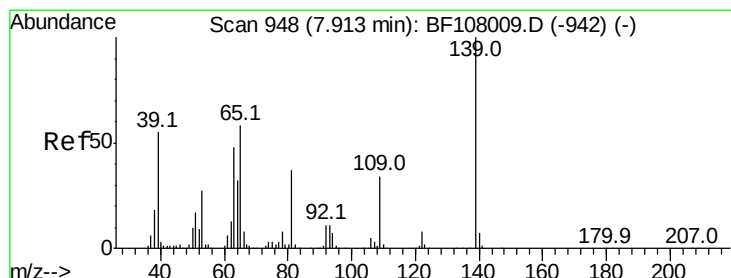
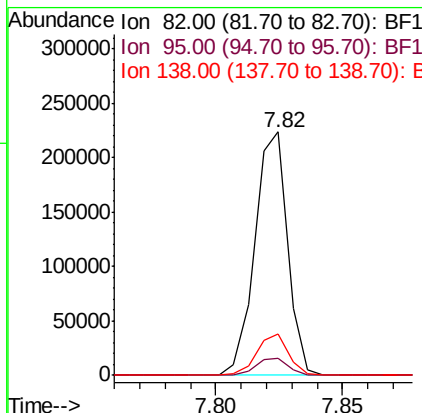
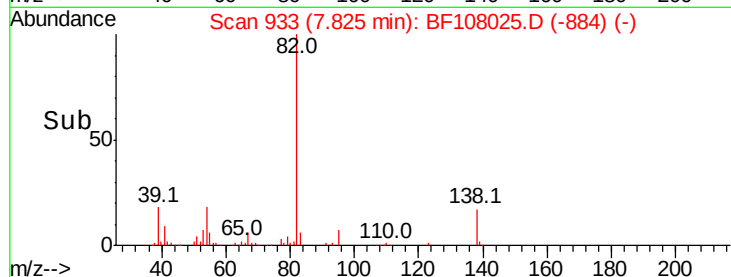
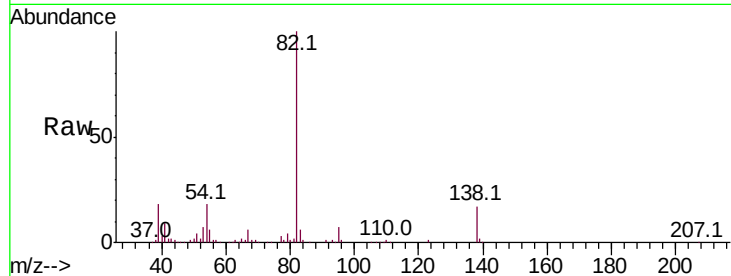
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	82	Resp:	202039
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.2	7.8
138	17.0	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 4.639 ng

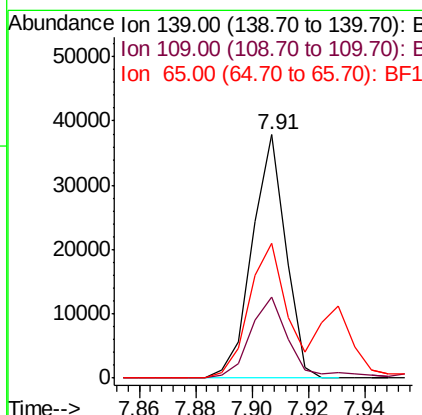
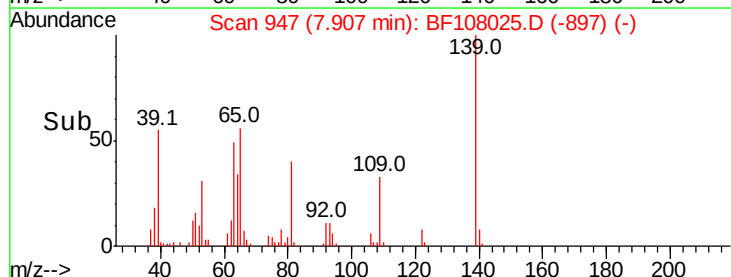
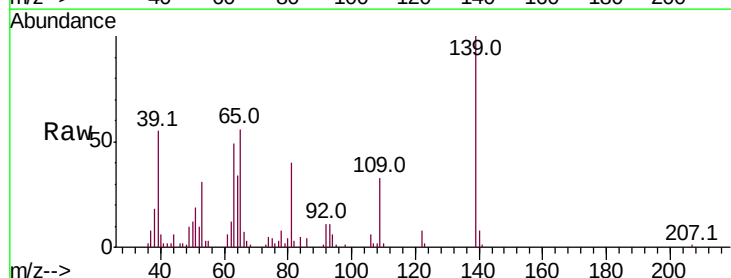
RT: 7.91 min Scan# 947

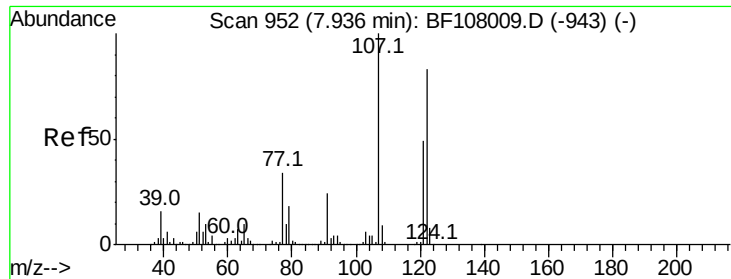
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:	139	Resp:	31210
Ion Ratio	Lower	Upper	
139	100		
109	33.2	22.7	34.1
65	55.5	40.5	60.7





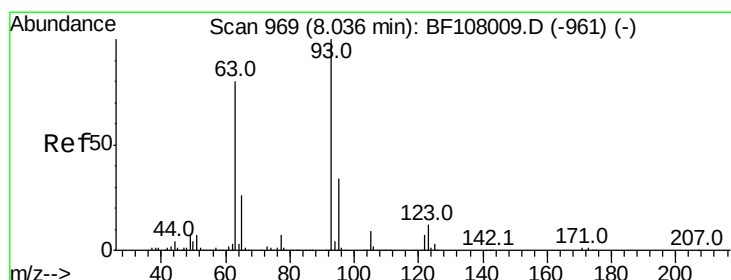
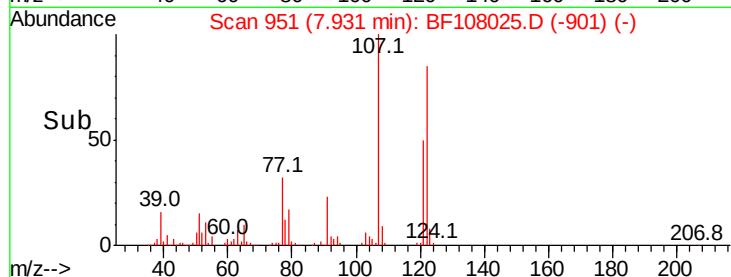
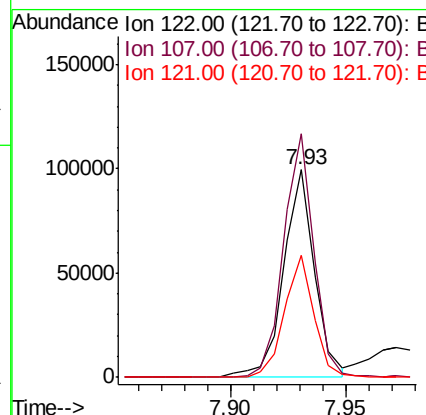
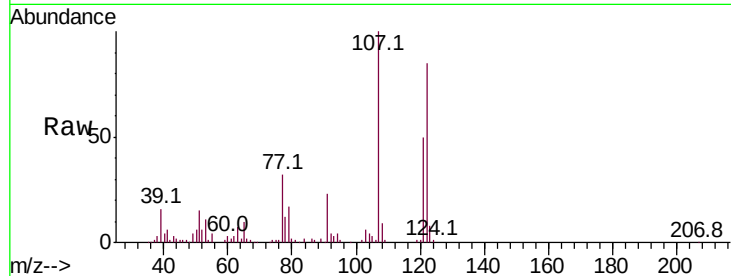
#27
 2,4-Dimethylphenol
 Concen: 6.179 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.3	91.2	136.8
121	58.7	47.2	70.8

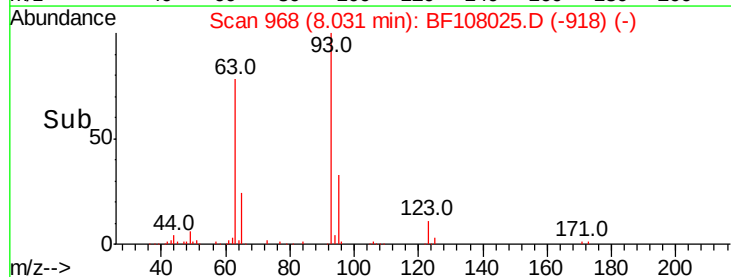
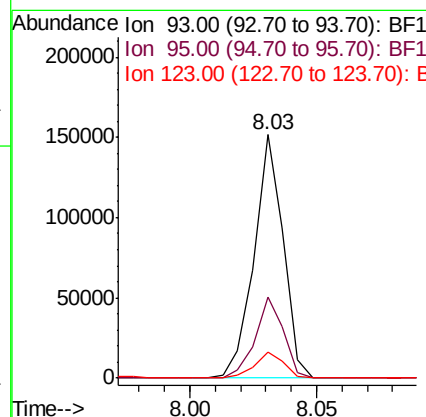
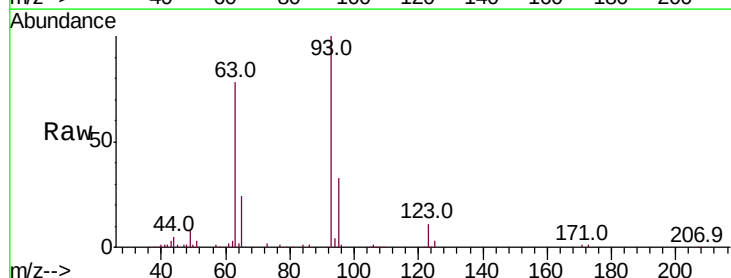
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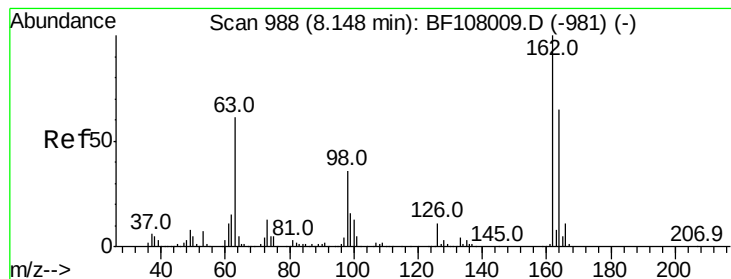
Sohil
 8/9/2018 5:01:25 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 6.187 ng
 RT: 8.03 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.3	39.5
123	10.7	9.8	14.6





#29

2,4-Dichlorophenol

Concen: 5.923 ng

RT: 8.14 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

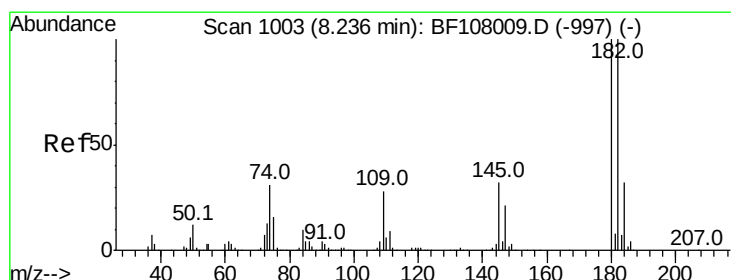
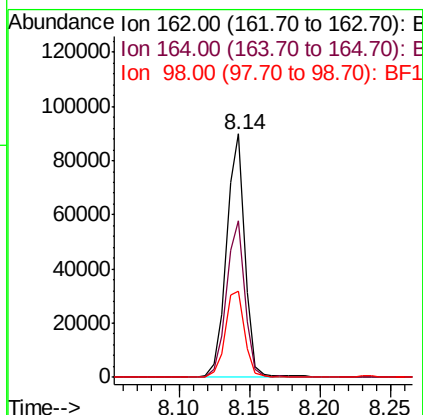
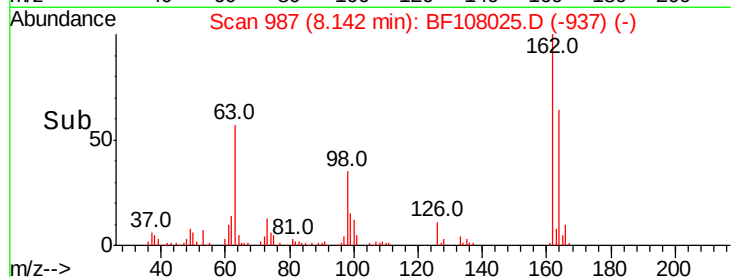
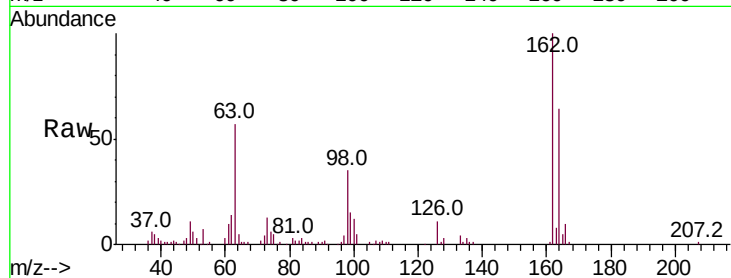
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	162	Resp:	81239
Ion Ratio	Lower	Upper	
162	100		
164	64.2	42.7	82.7
98	35.4	18.1	58.1

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#30

1,2,4-Trichlorobenzene

Concen: 6.233 ng

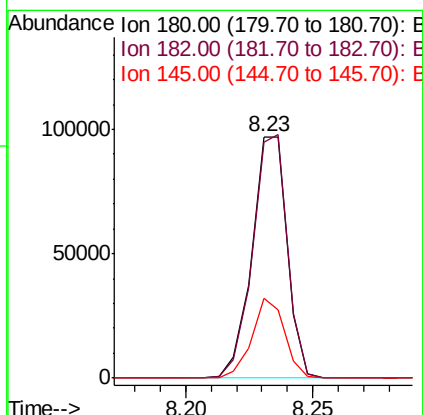
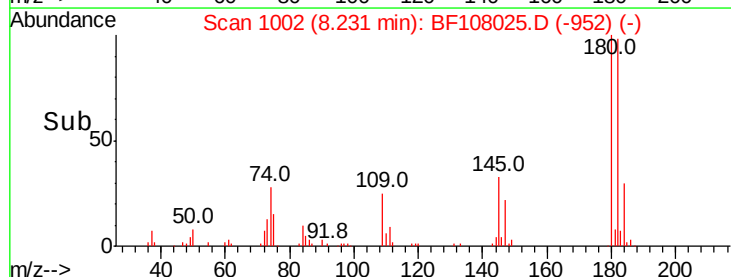
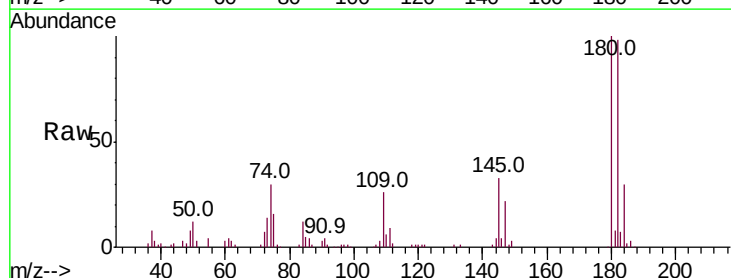
RT: 8.23 min Scan# 1002

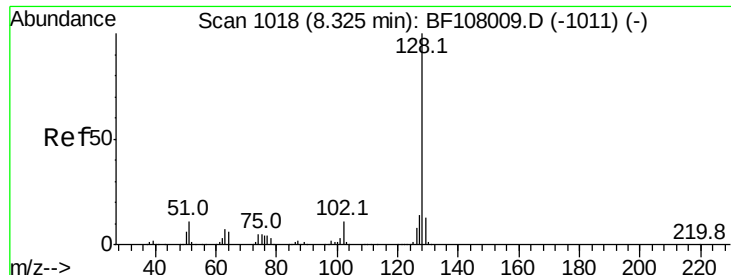
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:	180	Resp:	94260
Ion Ratio	Lower	Upper	
180	100		
182	97.6	76.8	115.2
145	32.8	26.5	39.7





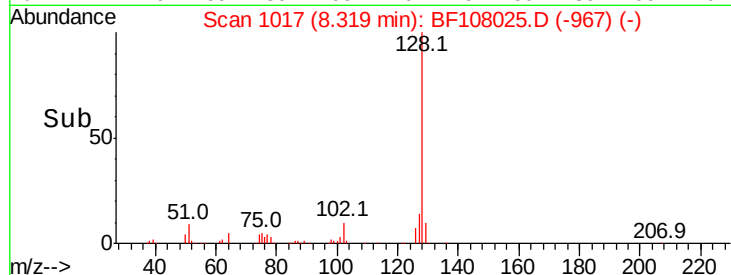
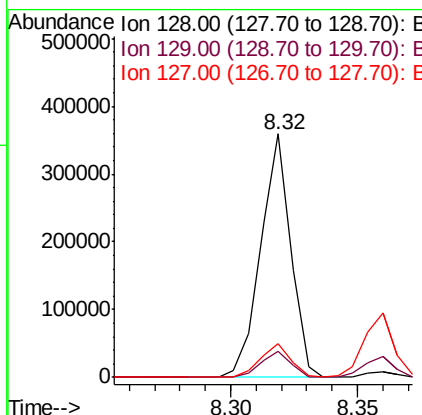
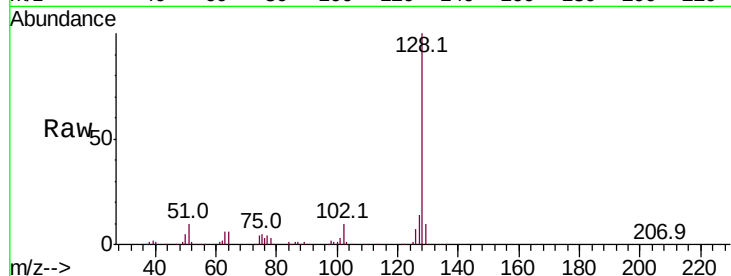
#31
Naphthalene
Concen: 6.619 ng
RT: 8.32 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.5	8.8	13.2	
127	13.6	10.9	16.3	

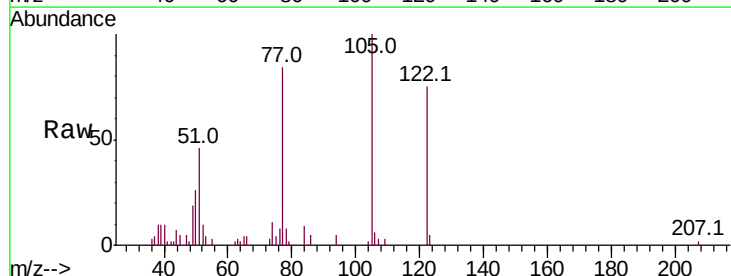
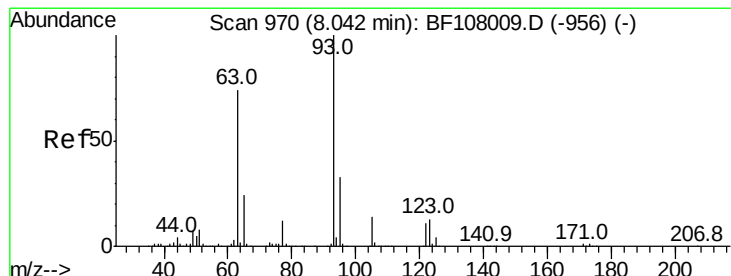
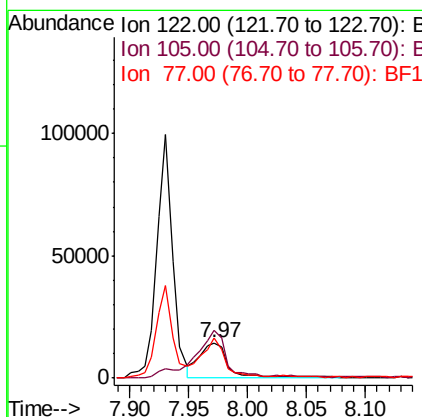
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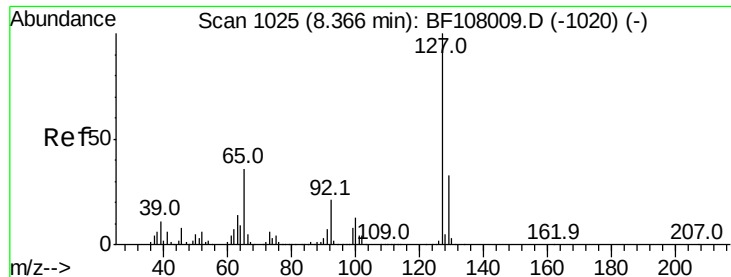
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#32
Benzoic acid
Concen: 8.557 ng m
RT: 7.97 min Scan# 958
Delta R.T. -0.07 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	133.4	101.1	141.1	
77	111.5	70.7	110.7#	





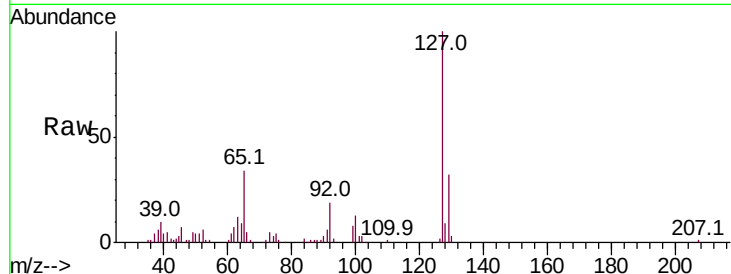
#33
4-Chloroaniline
Concen: 3.954 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.0	25.9	38.9	
65	33.6	25.0	37.4	
92	18.7	15.2	22.8	

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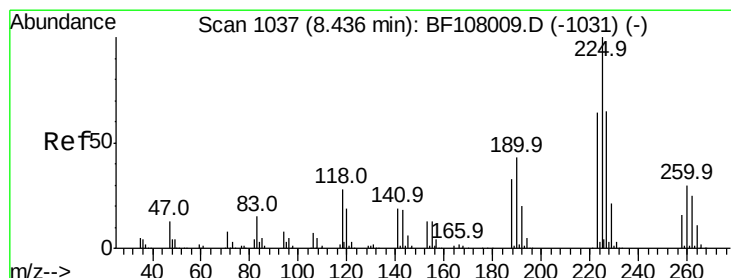
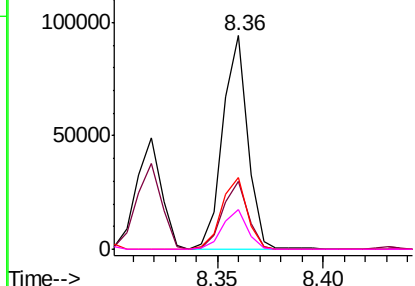
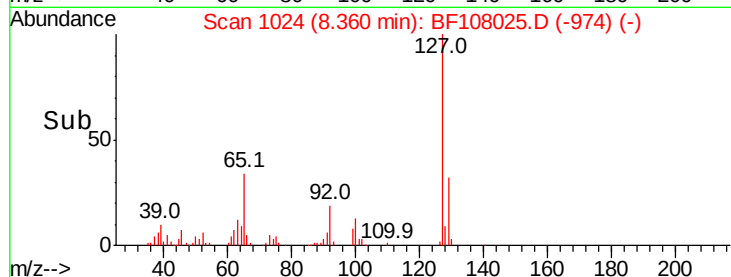
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

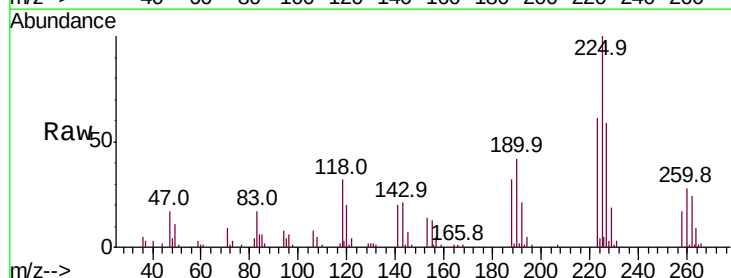
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 6.114 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	50.6	76.0	
227	59.2	51.9	77.9	

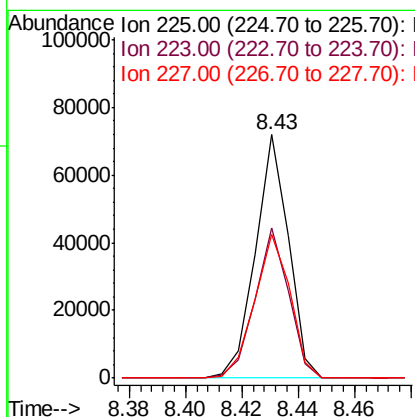
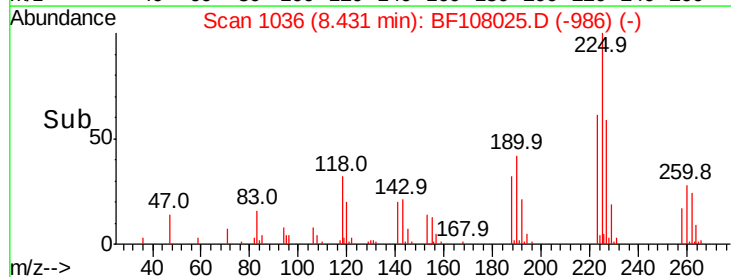


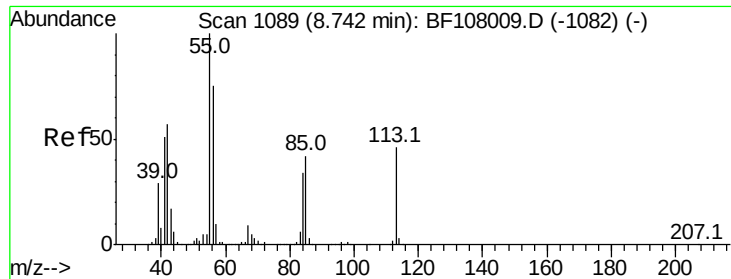
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





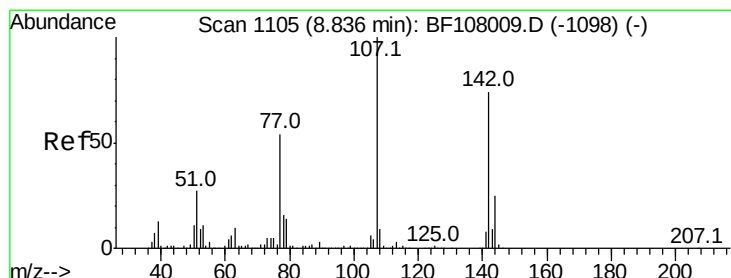
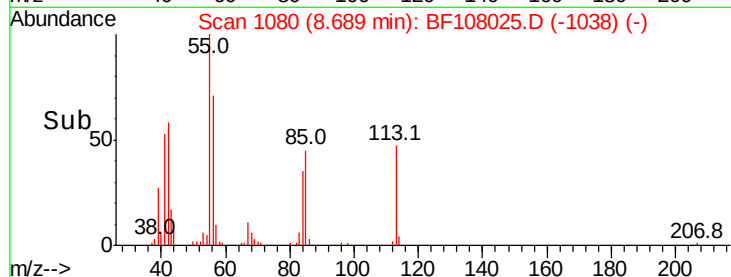
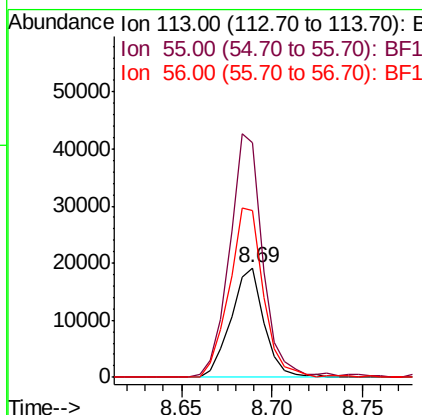
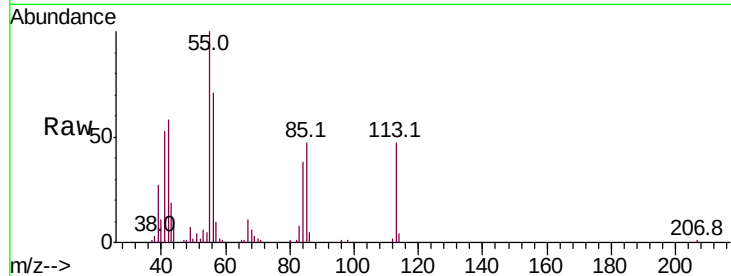
#35
 Caprolactam
 Concen: 5.708 ng
 RT: 8.69 min Scan# 1080
 Delta R.T. -0.05 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion:113 Resp: 24536
 Ion Ratio Lower Upper
 113 100
 55 214.2 163.3 203.3#
 56 152.6 115.7 155.7

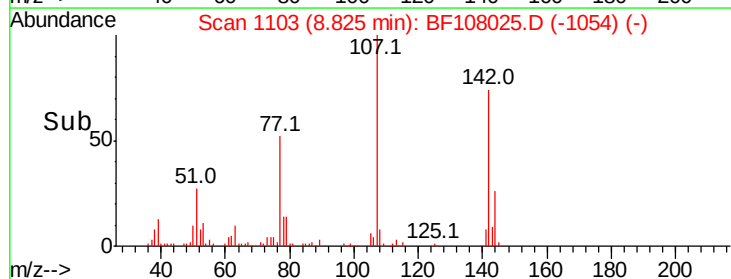
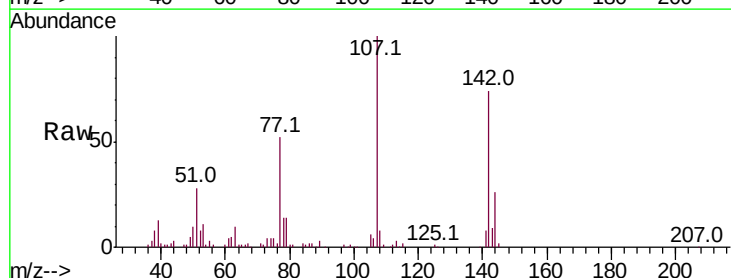
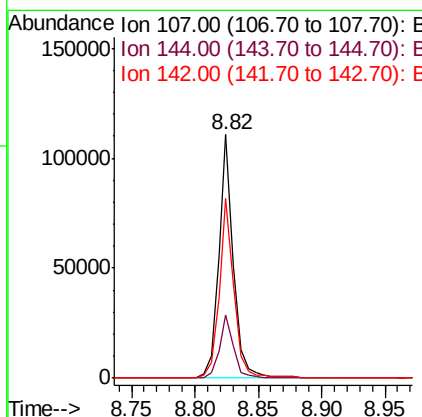
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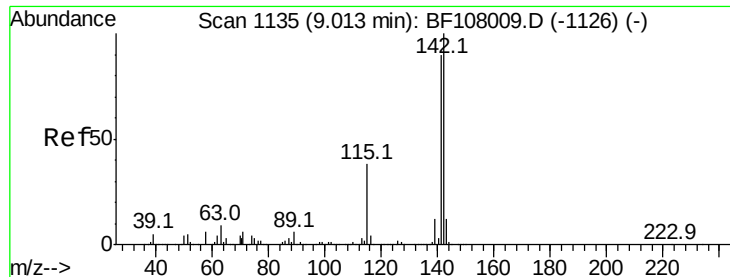
Sohil
 8/9/2018 5:01:25 PM



#36
 4-Chloro-3-methylphenol
 Concen: 6.102 ng
 RT: 8.82 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:107 Resp: 90286
 Ion Ratio Lower Upper
 107 100
 144 26.0 20.5 30.7
 142 73.6 62.0 93.0





#37

2-Methylnaphthalene

Concen: 6.687 ng

RT: 9.01 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF108025.D

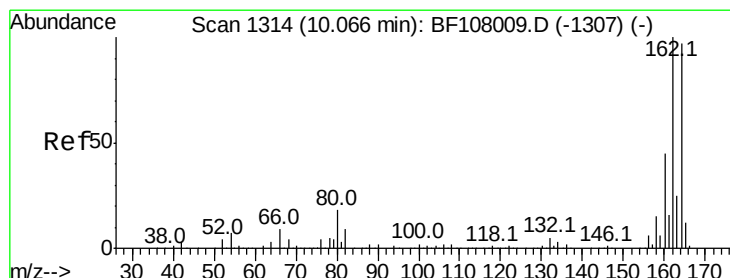
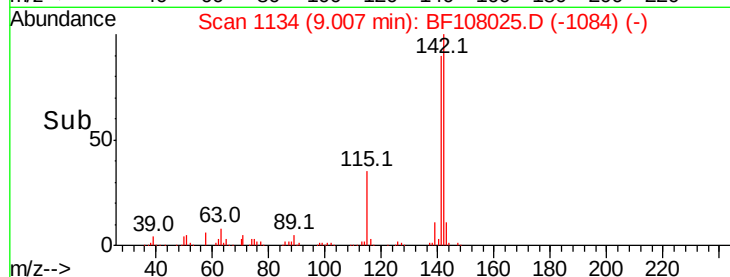
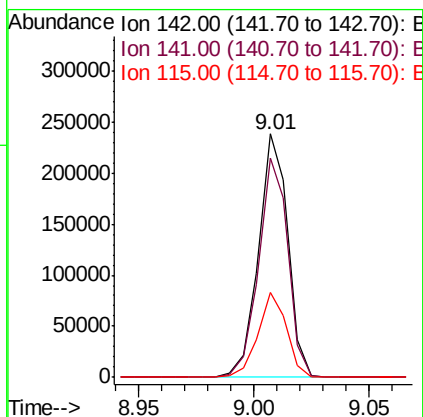
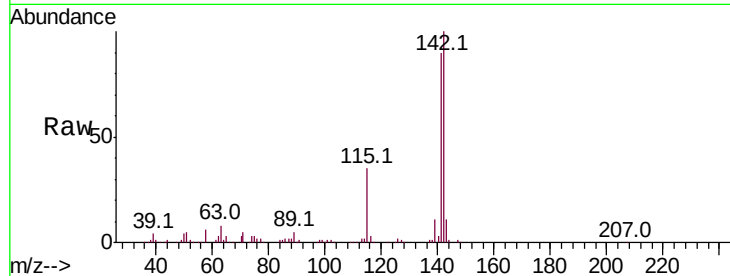
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
142	100	211532		
141	90.3	70.8	106.2	
115	34.9	26.1	39.1	

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#38

Acenaphthene-d10

Concen: 20.000 ng

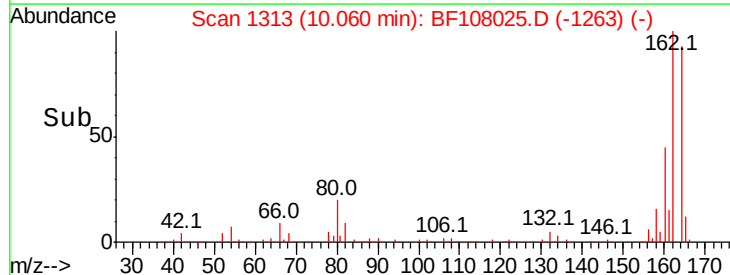
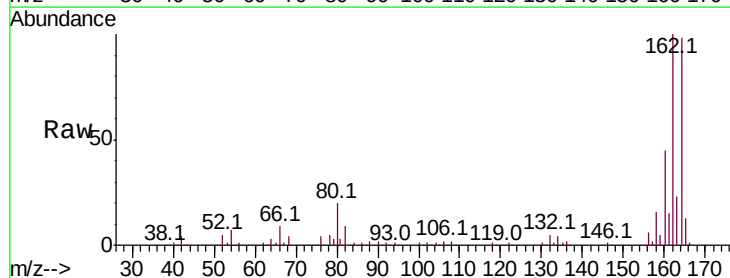
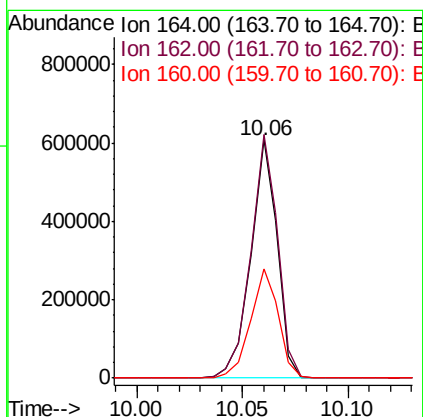
RT: 10.06 min Scan# 1313

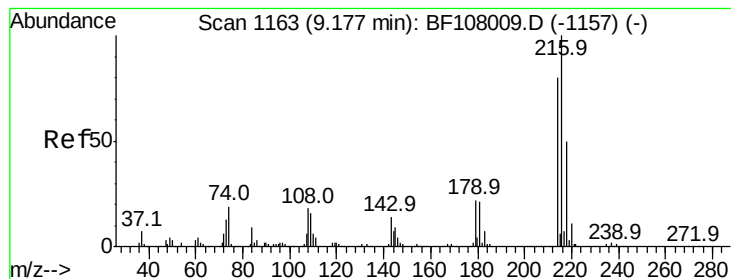
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	529618		
162	102.3	86.1	129.1	
160	45.8	38.3	57.5	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 6.244 ng

RT: 9.17 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

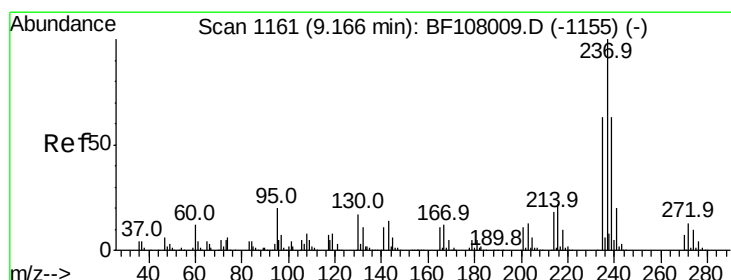
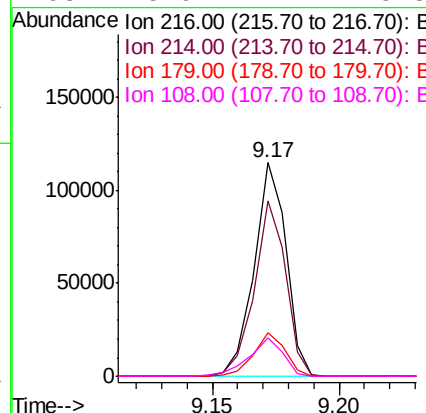
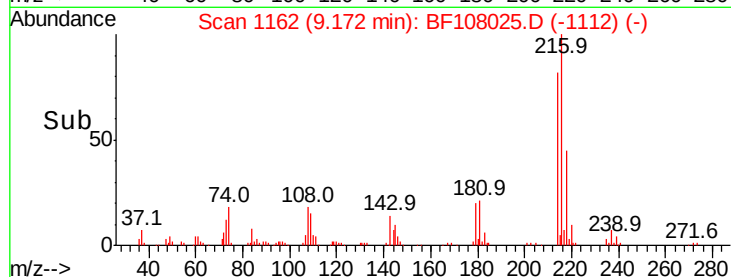
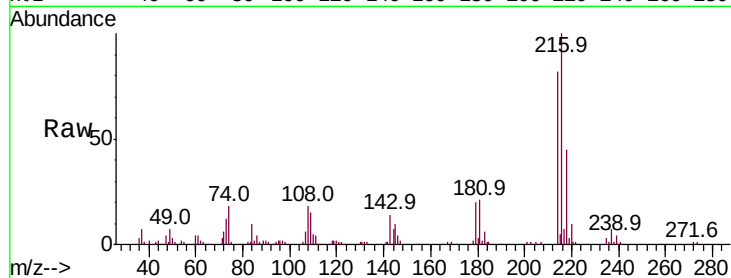
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	80.0	63.0	94.4
179	20.2	18.1	27.1
108	18.9	17.2	25.8

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#40

Hexachlorocyclopentadiene

Concen: 5.320 ng

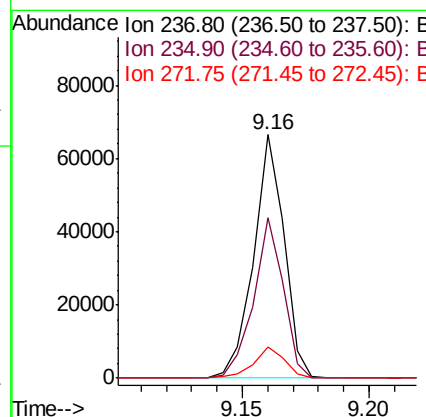
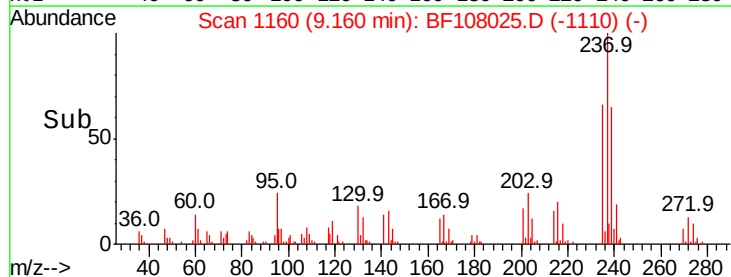
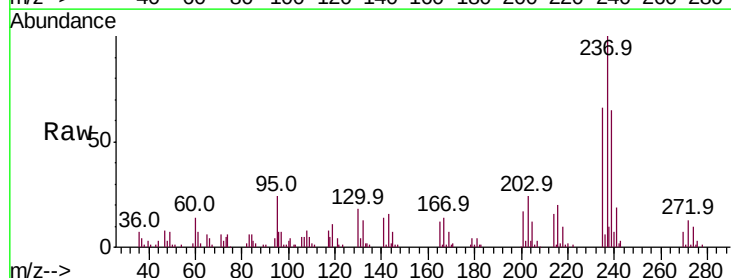
RT: 9.16 min Scan# 1160

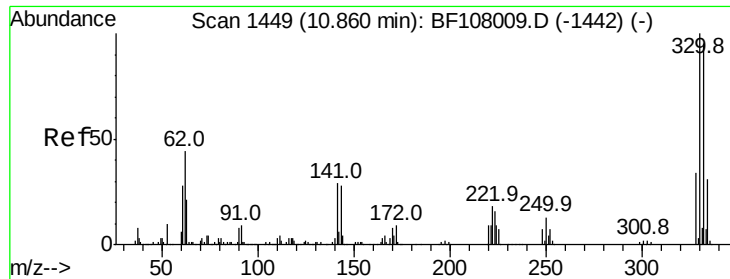
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	65.9	44.8	84.8
272	12.6	0.0	33.3





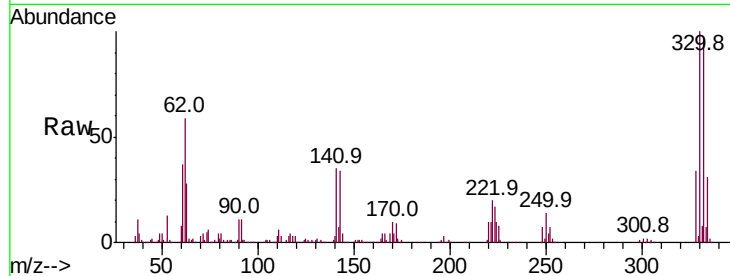
#41
 2,4,6-Tribromophenol
 Concen: 116.441 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

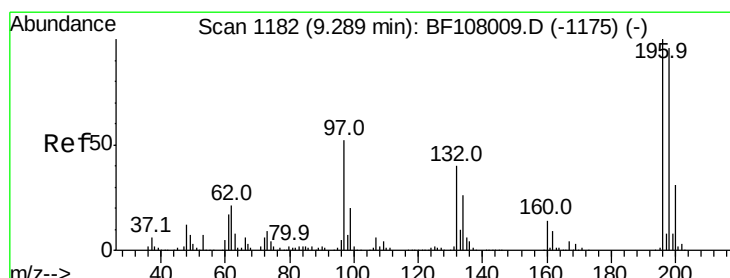
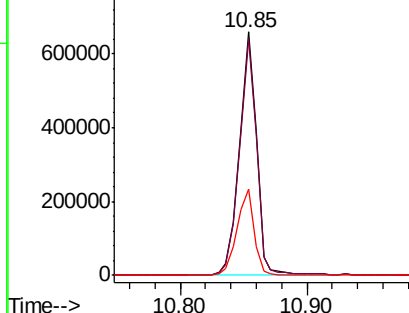
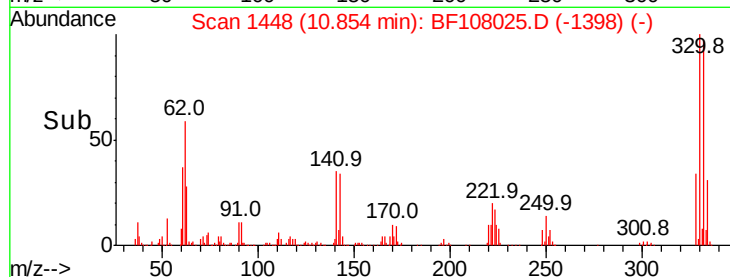
Tot Ion	Ratio	Resp	Lower	Upper
330	100	615137		
332	97.8	77.0	115.6	
141	35.3	29.9	44.9	

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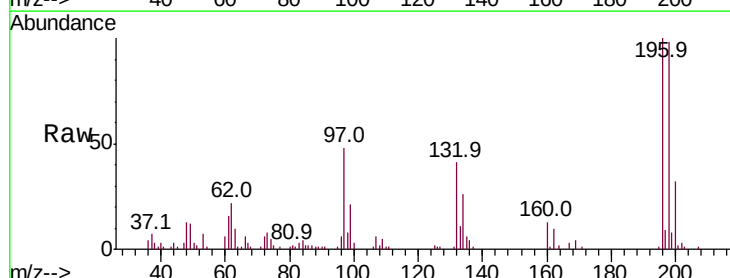


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

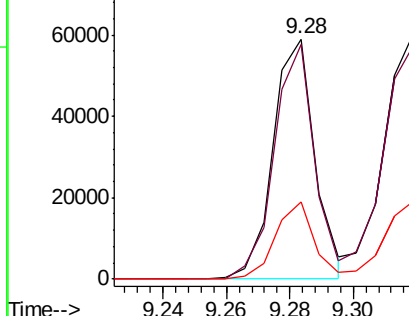
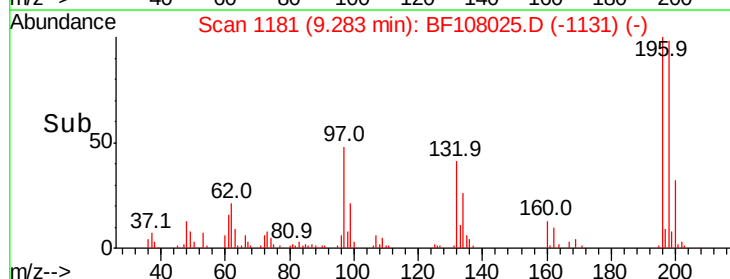


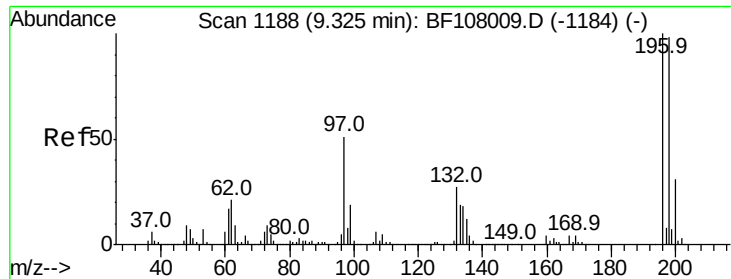
#42
 2,4,6-Trichlorophenol
 Concen: 5.366 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	54160		
198	97.8	75.7	113.5	
200	32.1	24.5	36.7	



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





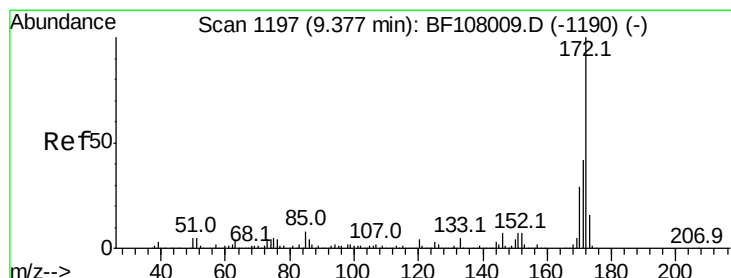
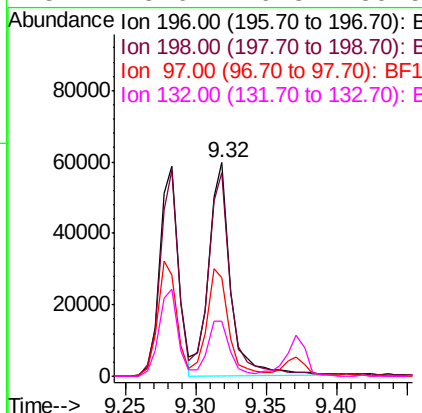
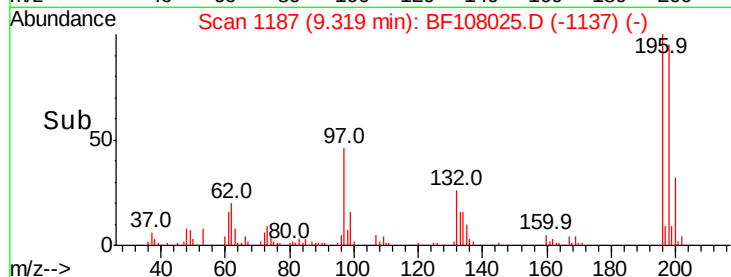
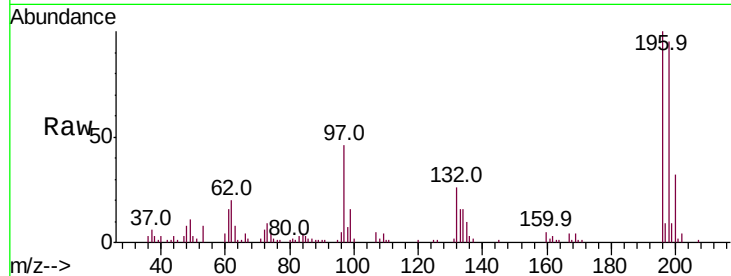
#43
 2,4,5-Trichlorophenol
 Concen: 5.751 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
196	100	63891		
198	95.2	74.6	112.0	
97	46.2	42.9	64.3	
132	25.6	26.3	39.5#	

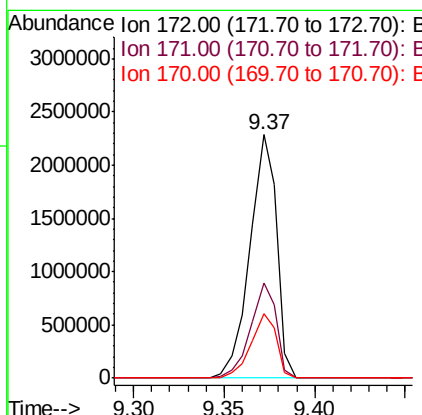
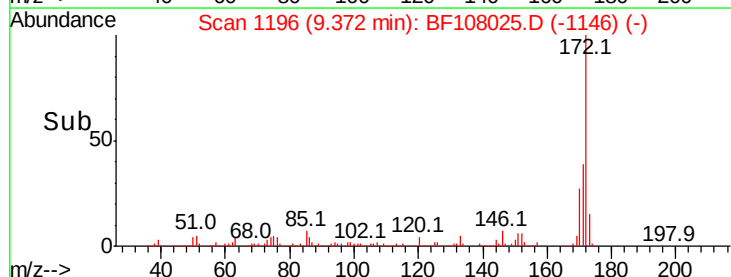
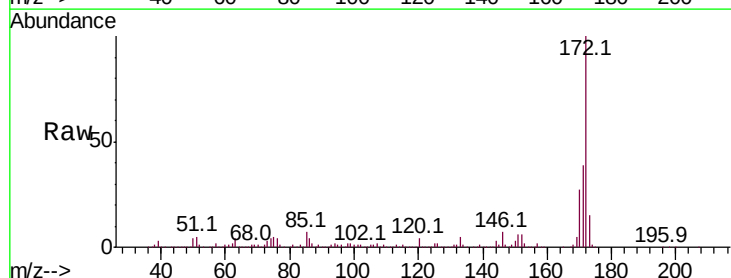
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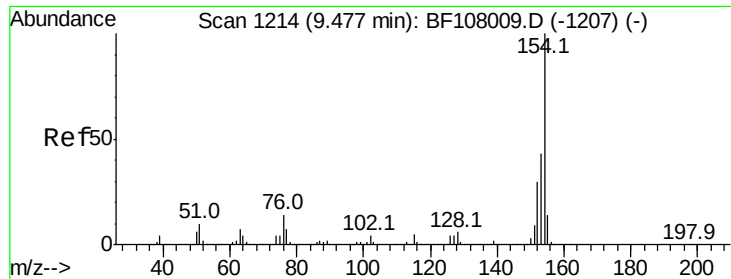
Sohil
 8/9/2018 5:01:25 PM



#44
 2-Fluorobiphenyl
 Concen: 70.907 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2339102		
171	39.3	29.7	44.5	
170	26.7	19.6	29.4	





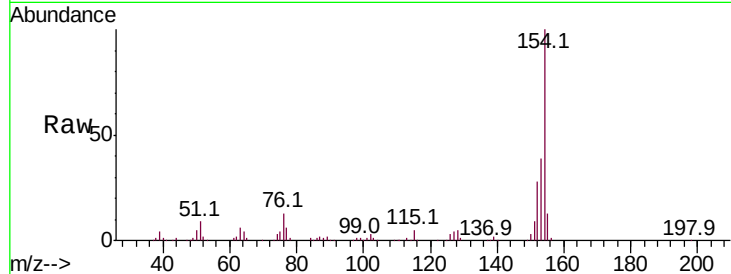
#45
 1,1'-Biphenyl
 Concen: 6.587 ng
 RT: 9.47 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	38.7	21.3	61.3	
76	13.1	0.0	34.0	

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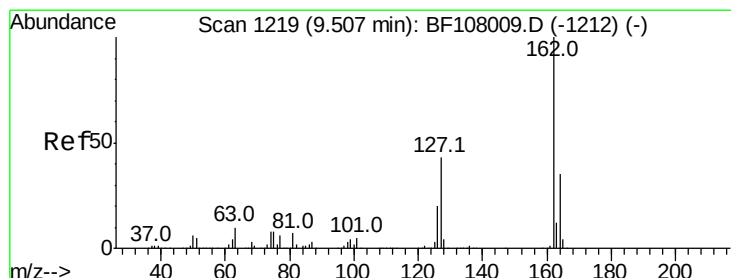
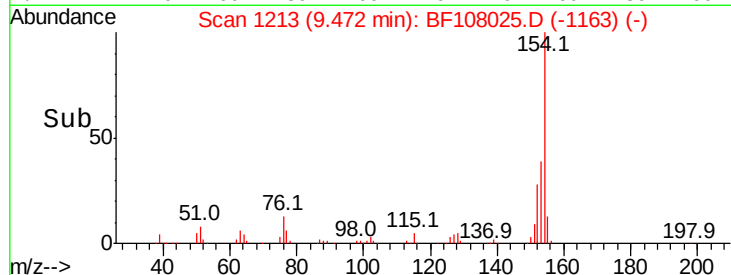
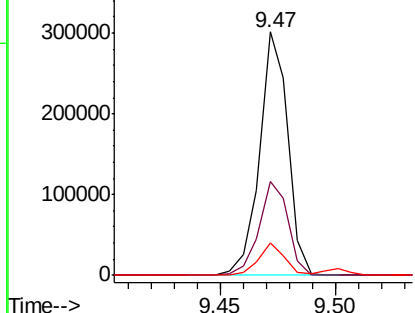


Abundance

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: 6.471 ng
 RT: 9.50 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

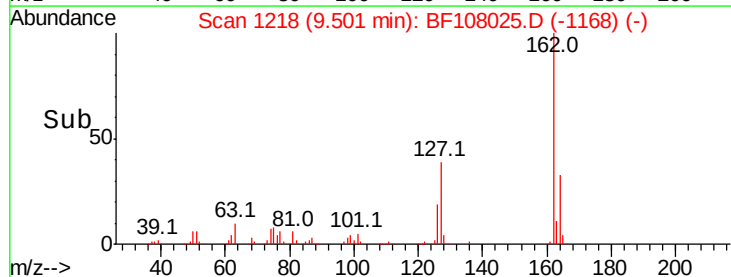
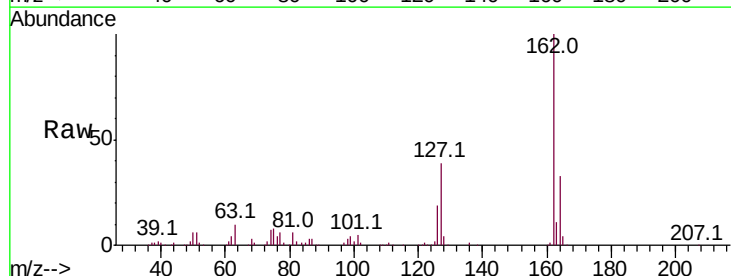
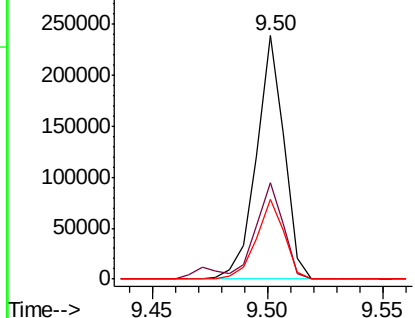
Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.5	33.9	50.9	
164	32.5	26.5	39.7	

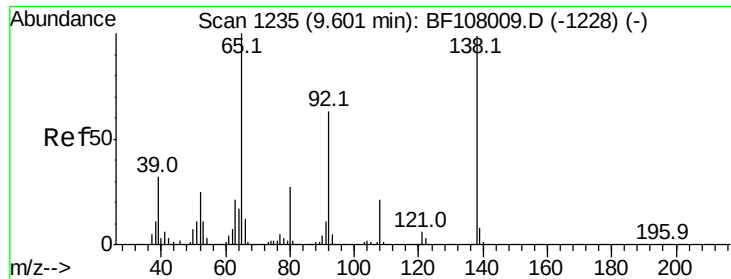
Abundance

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: 5.877 ng

RT: 9.59 min Scan# 1233

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

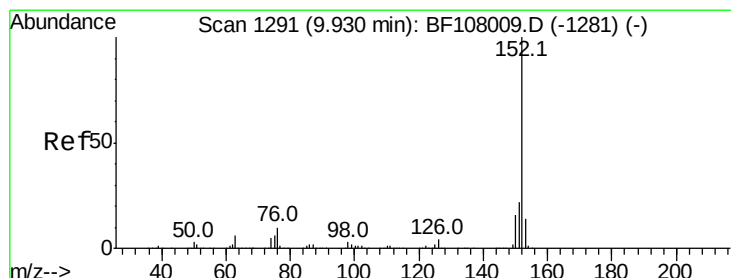
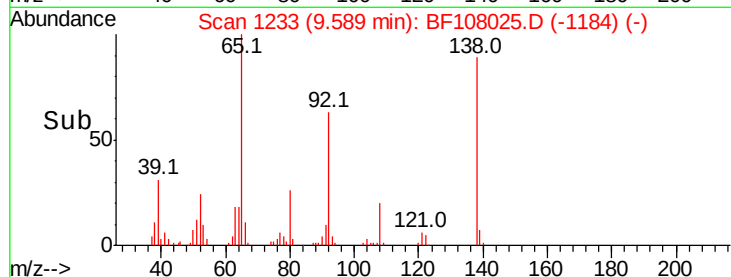
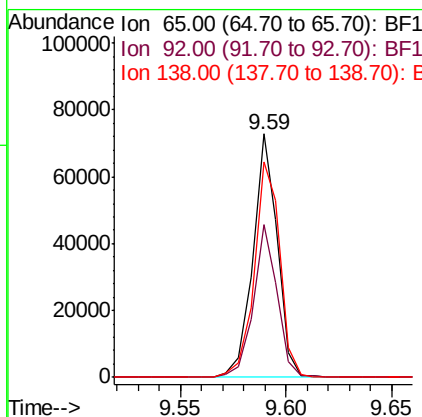
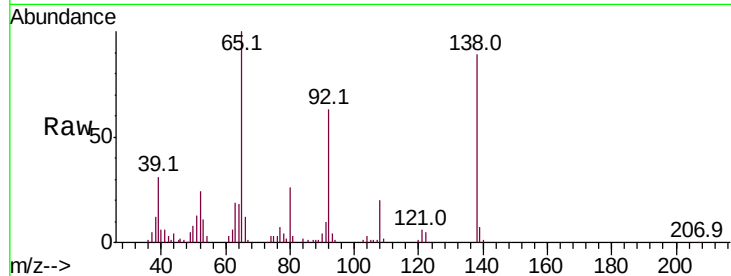
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	65	Resp:	58689
Ion Ratio	Lower	Upper	
65	100		
92	62.8	55.8	83.6
138	88.7	91.2	136.8#

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#48

Acenaphthylene

Concen: 6.718 ng

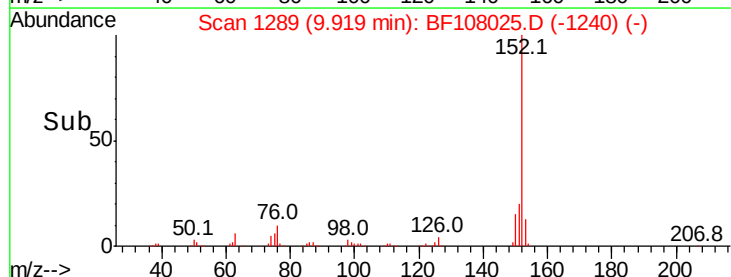
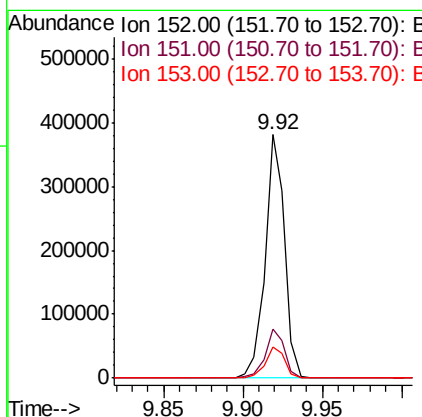
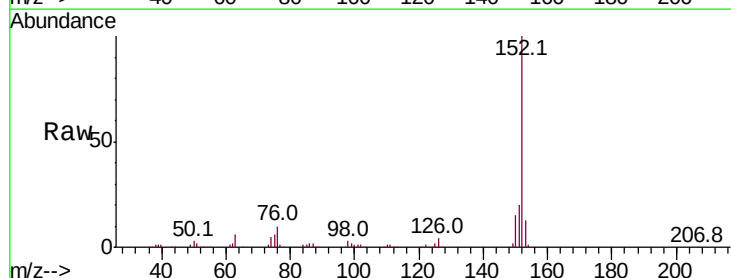
RT: 9.92 min Scan# 1289

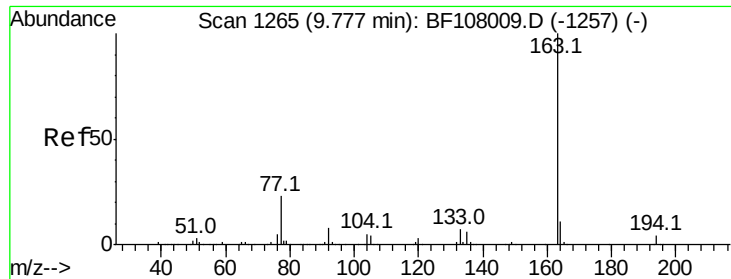
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:	152	Resp:	327780
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.0	10.7	16.1





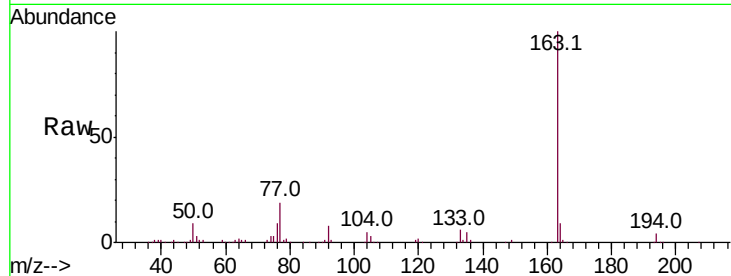
#49
Dimethylphthalate
Concen: 6.540 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

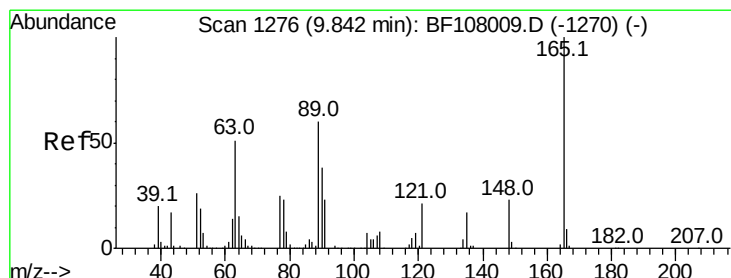
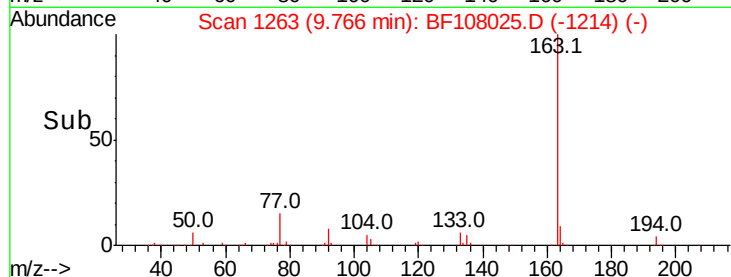
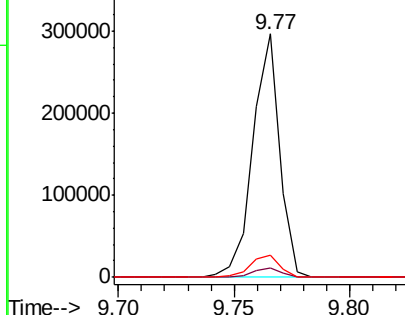
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	9.2	8.2	12.2	

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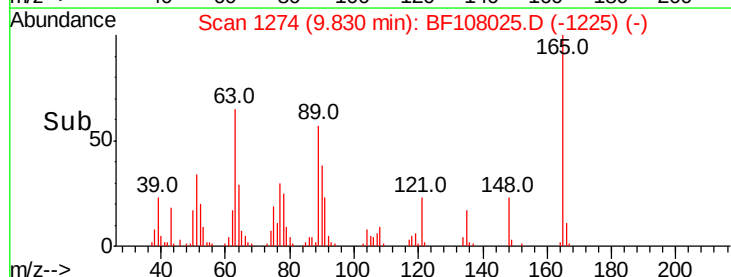
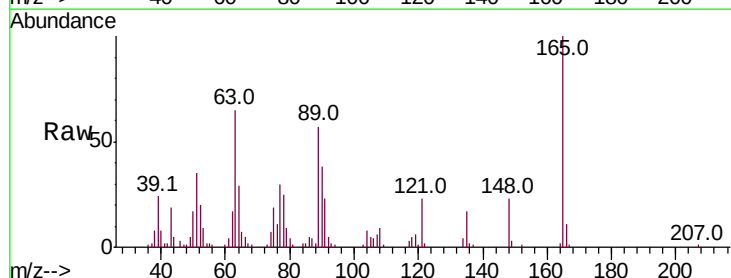
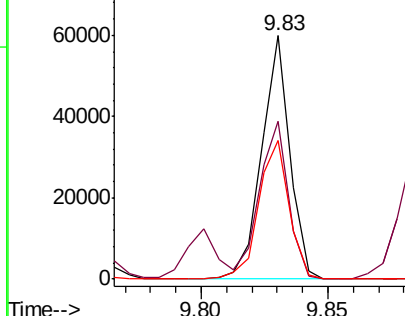
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

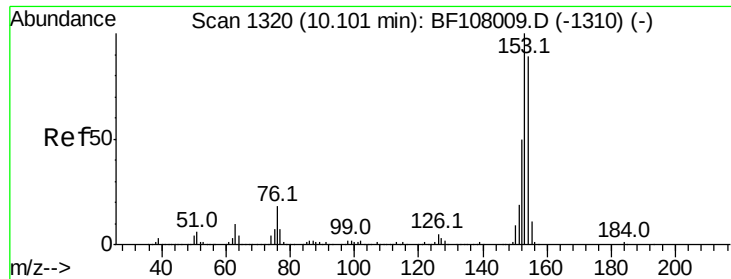


#50
2,6-Dinitrotoluene
Concen: 5.993 ng
RT: 9.83 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	64.6	44.7	67.1	
89	57.1	44.0	66.0	

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 6.561 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

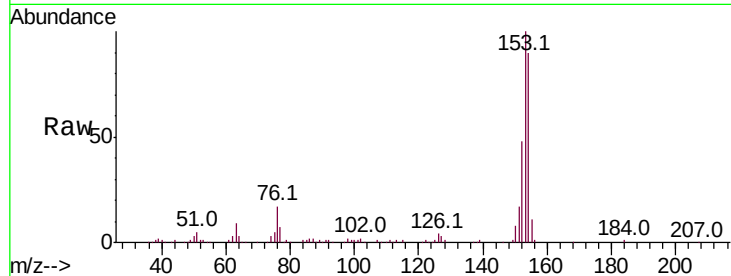
ClientSampleId :

MDL-SOIL-03-QT3-2018

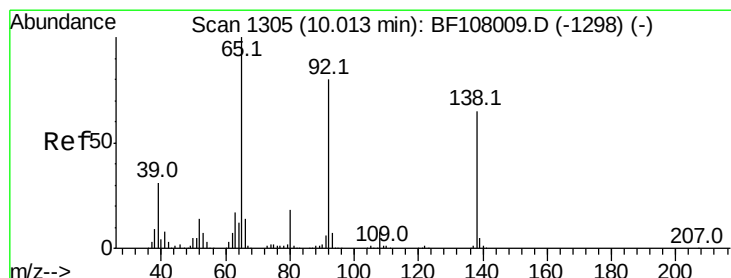
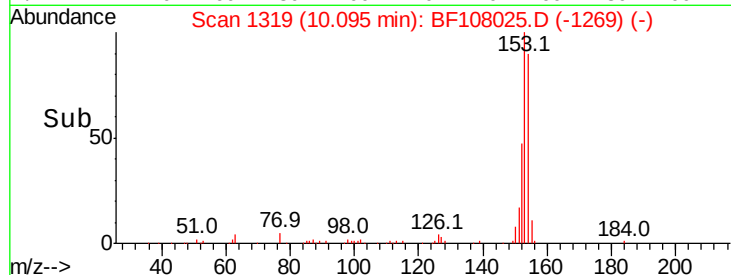
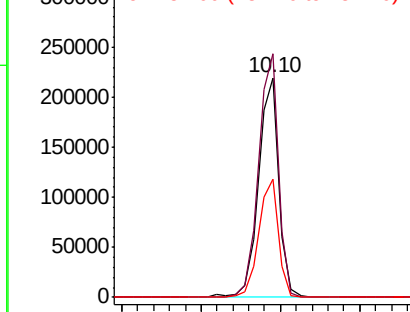
Tot Ion:	154	Resp:	196071
Ion Ratio	Lower	Upper	
154	100		
153	110.9	91.2	136.8
152	53.6	43.8	65.8

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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: 5.020 ng

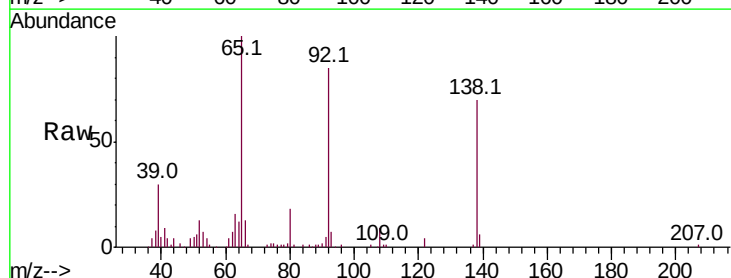
RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

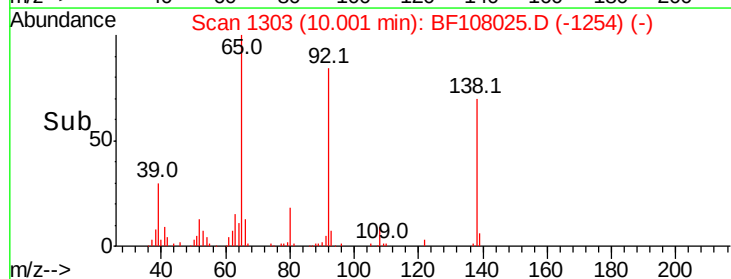
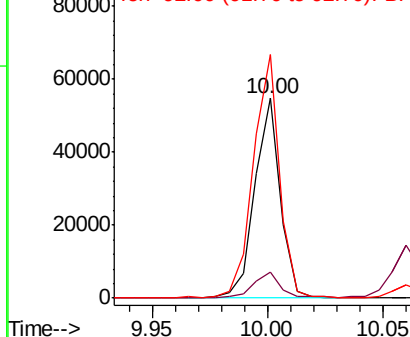
Lab File: BF108025.D

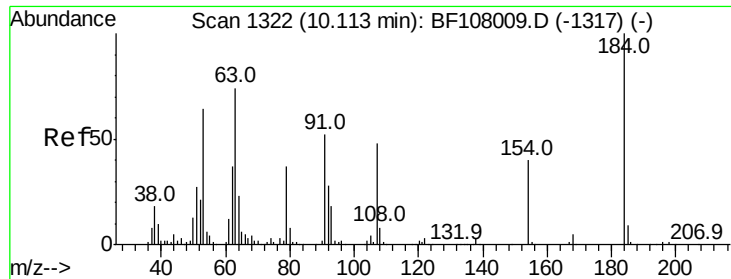
Acq: 8 Aug 2018 17:49

Tgt Ion:	138	Resp:	42396
Ion Ratio	Lower	Upper	
138	100		
108	12.9	9.4	14.0
92	122.0	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





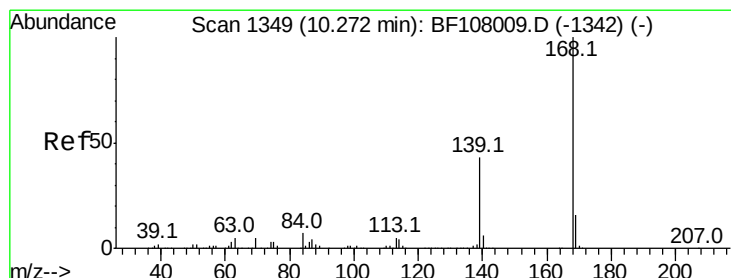
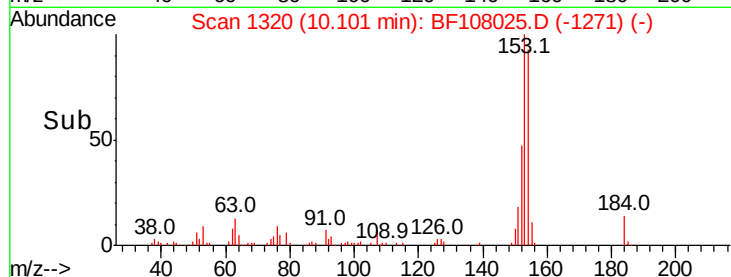
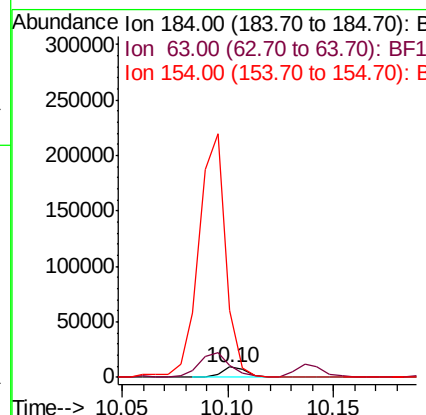
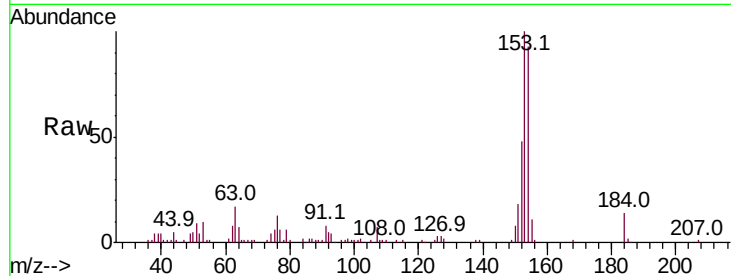
#53
2,4-Dinitrophenol
Concen: 9.474 ng
RT: 10.10 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
184	100		
63	119.1	54.2	81.2#
154	669.1	184.0	276.0#

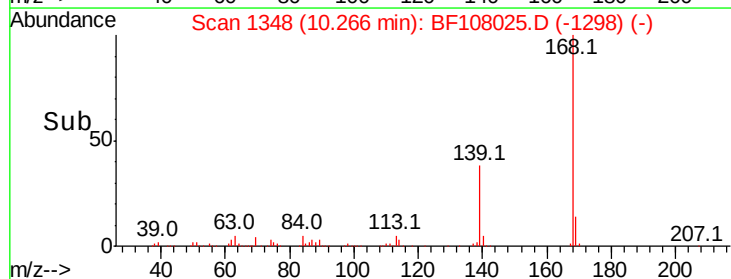
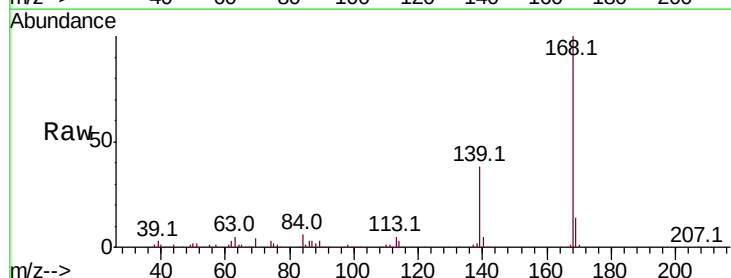
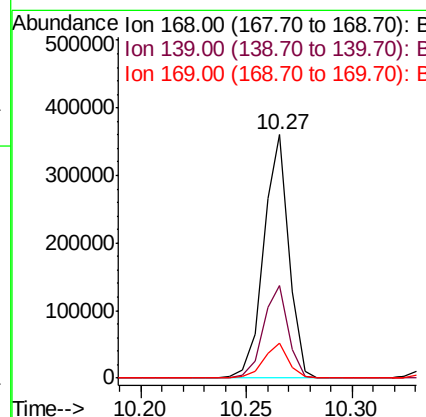
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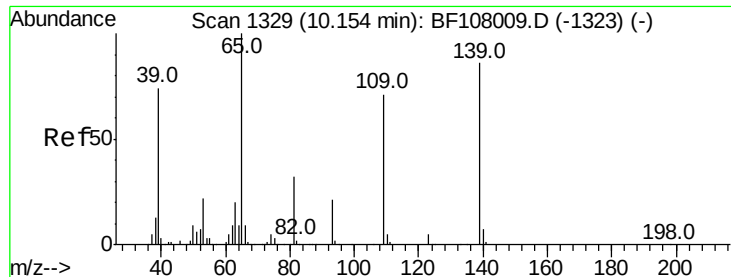
Sohil
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#54
Dibenzofuran
Concen: 6.886 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.1	45.1
169	14.3	10.9	16.3





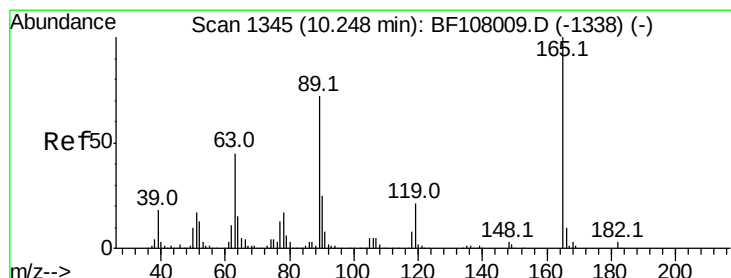
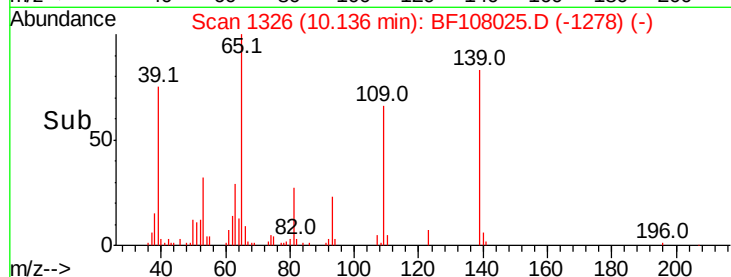
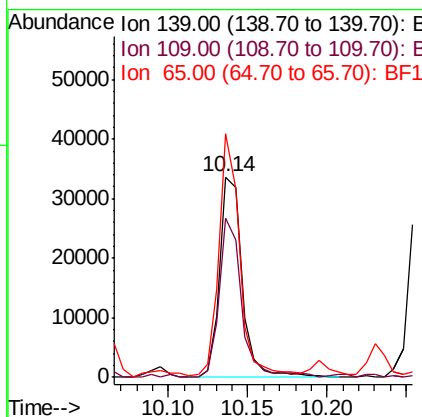
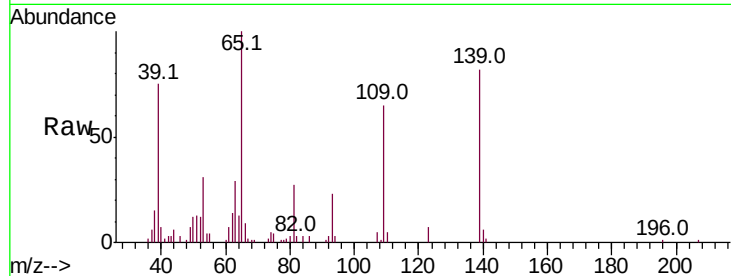
#55
4-Nitrophenol
Concen: 5.200 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
139	100		
109	79.5	48.4	88.4
65	121.6	72.6	112.6

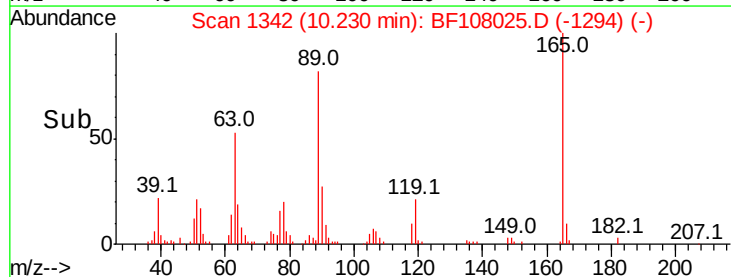
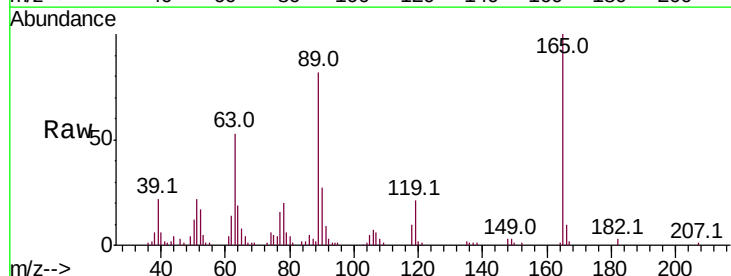
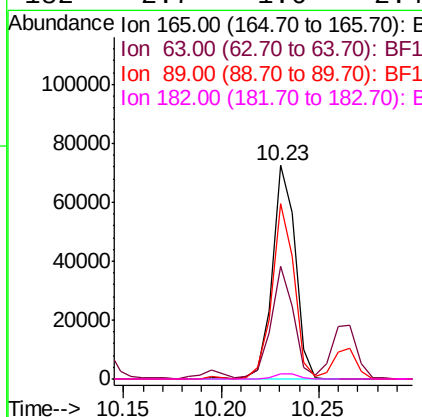
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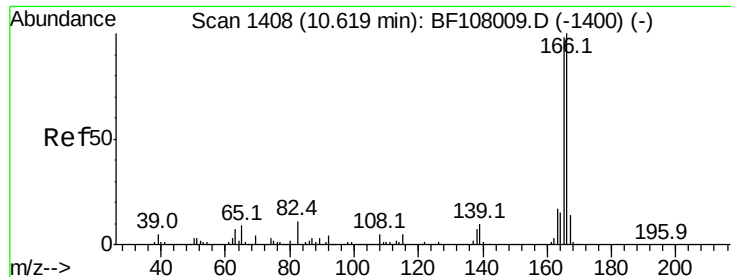
Sohil
8/9/2018 5:01:25 PM



#56
2,4-Dinitrotoluene
Concen: 5.942 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.6	36.4	54.6
89	82.1	57.8	86.6
182	2.7	1.6	2.4





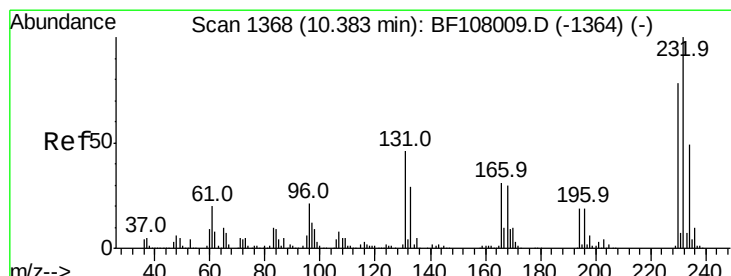
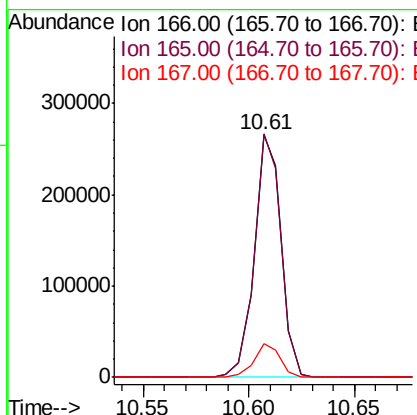
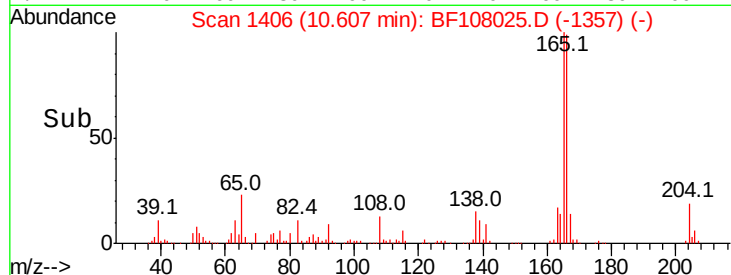
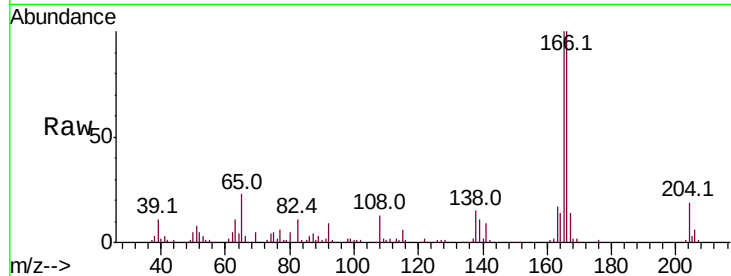
#57
 Fluorene
 Concen: 6.805 ng
 RT: 10.61 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion:	166	Resp:	233223
Ion Ratio	Lower	Upper	
166	100		
165	100.4	79.8	119.8
167	13.8	10.6	16.0

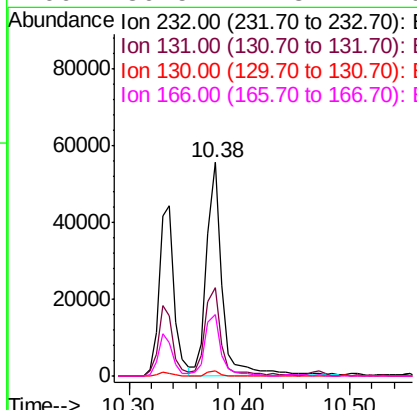
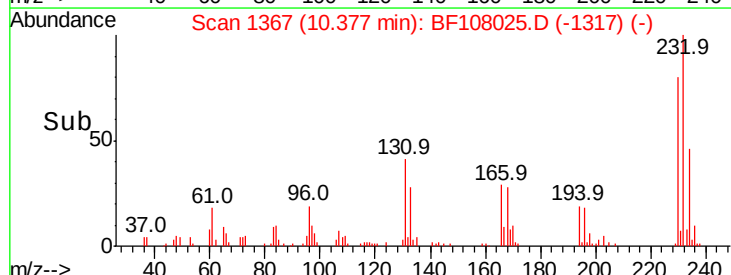
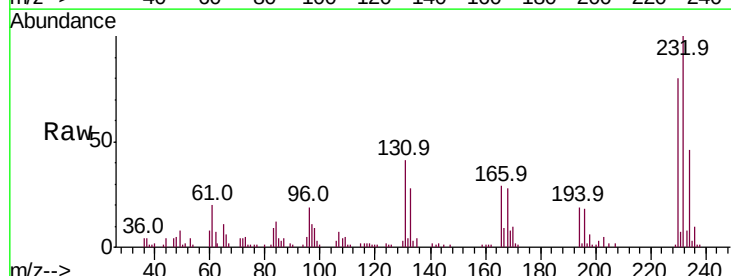
Manual Integrations
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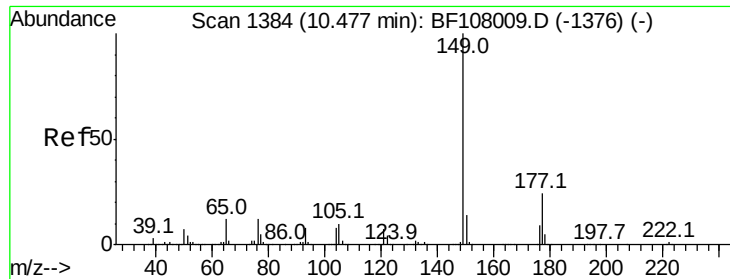
Sohil
 8/9/2018 5:01:25 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 5.544 ng
 RT: 10.38 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion:	232	Resp:	51485
Ion Ratio	Lower	Upper	
232	100		
131	44.8	43.8	65.8
130	1.8	2.1	3.1#
166	30.5	27.8	41.6





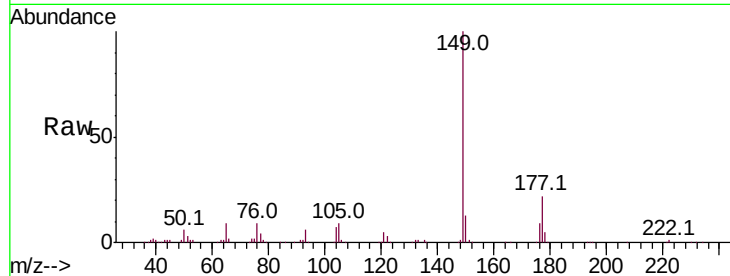
#59
Diethylphthalate
Concen: 6.624 ng
RT: 10.47 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

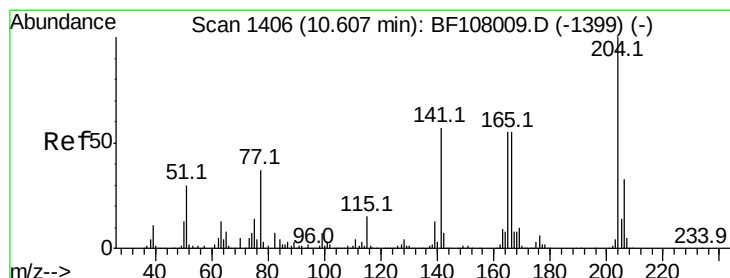
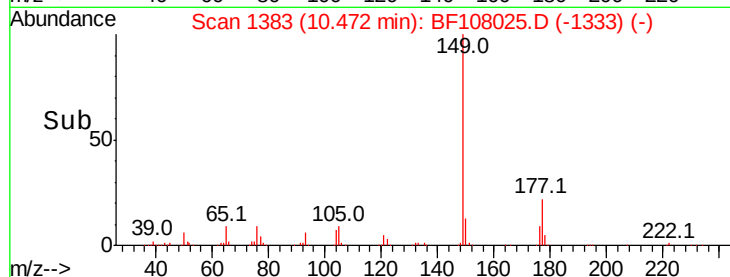
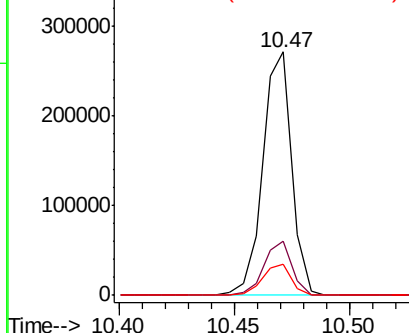
Tot Ion	Ratio	Lower	Upper
149	100		
177	22.2	16.1	24.1
150	12.6	10.1	15.1

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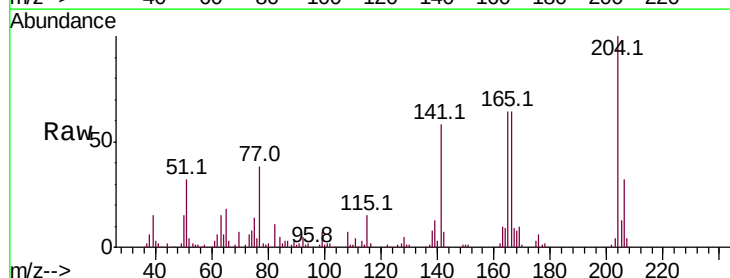


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

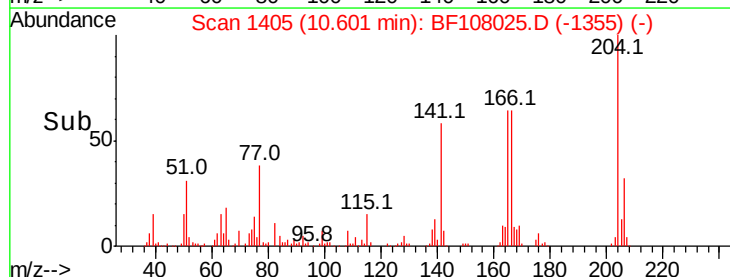
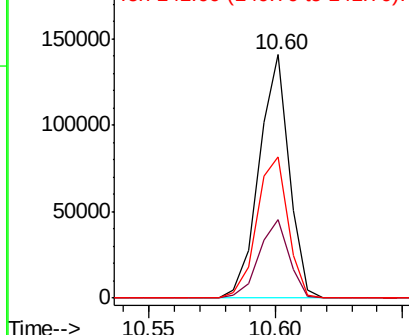


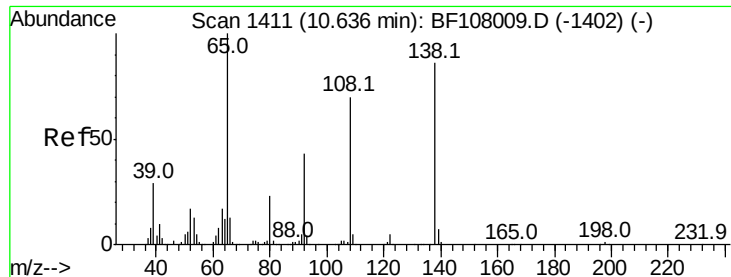
#60
4-Chlorophenyl-phenylether
Concen: 6.506 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.5	39.7
141	58.2	54.6	81.8



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





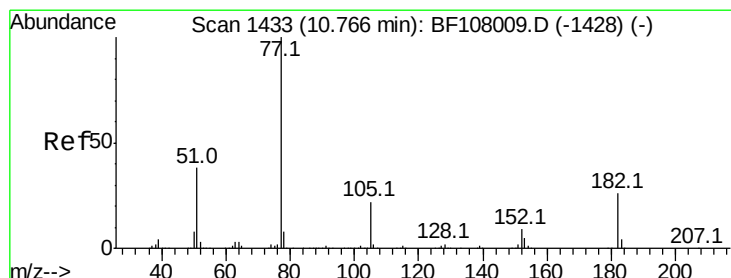
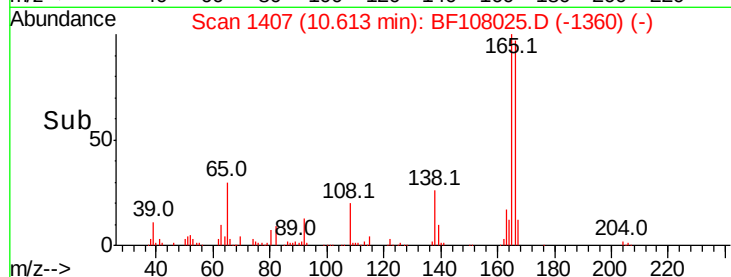
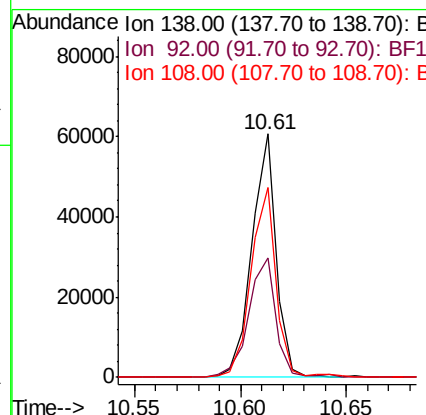
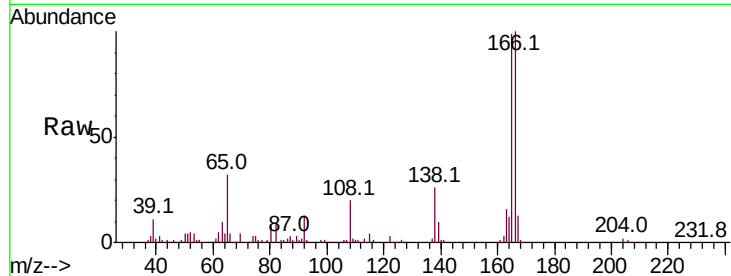
#61
4-Nitroaniline
Concen: 5.813 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
138	100		
92	49.1	30.2	70.2
108	78.2	52.5	92.5

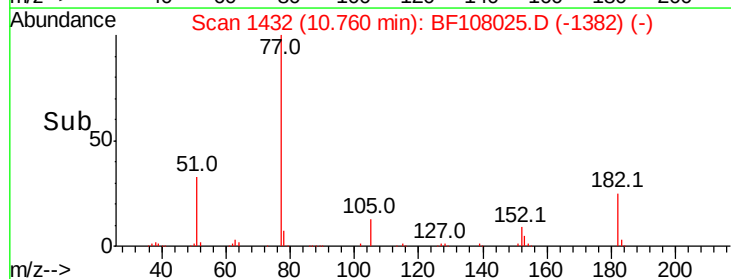
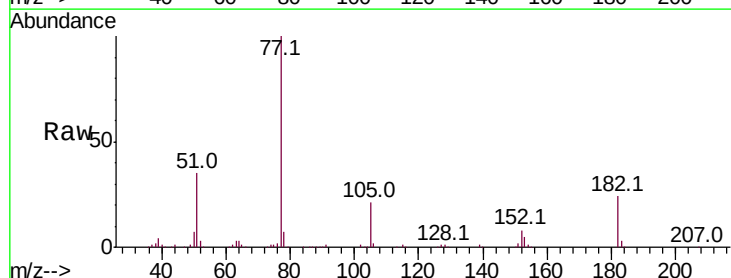
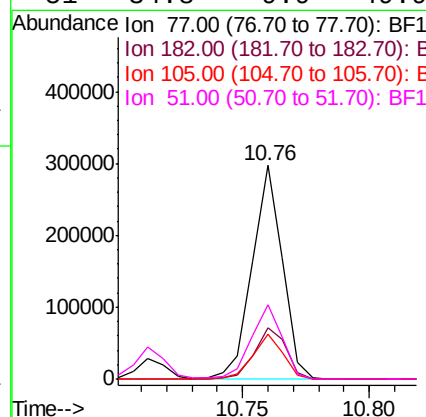
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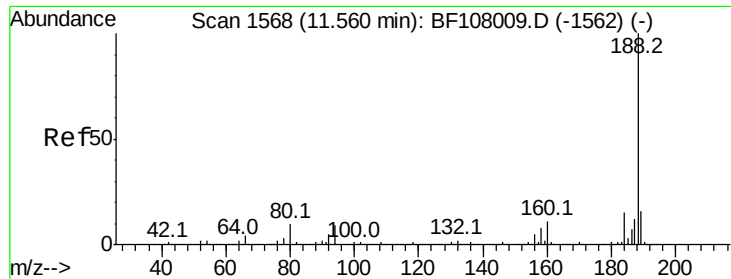
Sohil
8/9/2018 5:01:25 PM



#62
Azobenzene
Concen: 6.660 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.2	1.7	41.7
105	20.9	3.0	43.0
51	34.8	9.9	49.9





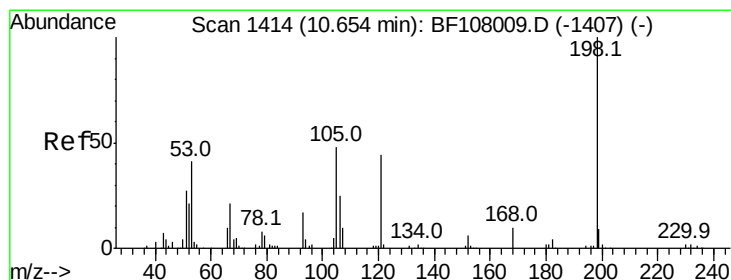
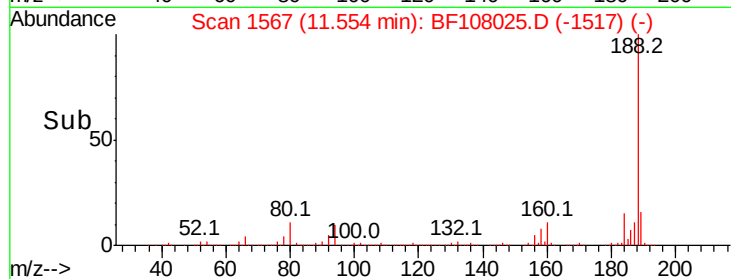
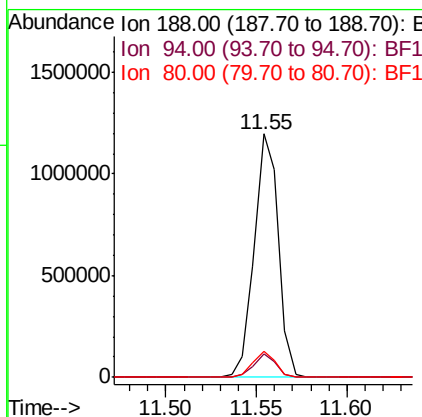
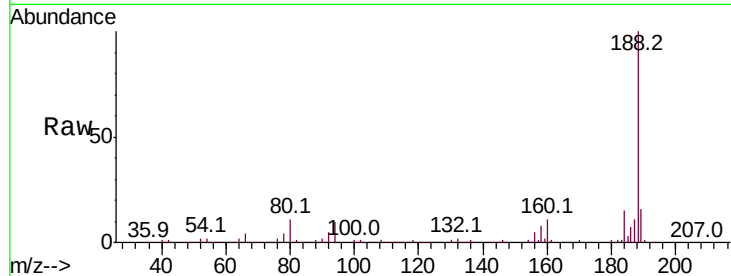
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
188	100	1103190		
94	9.6		8.5	12.7
80	10.7		9.2	13.8

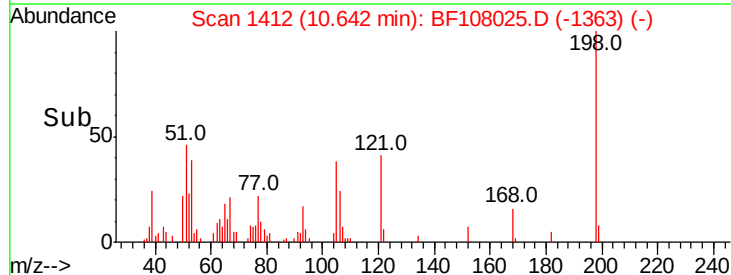
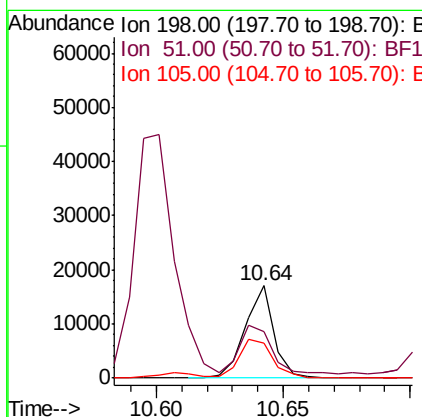
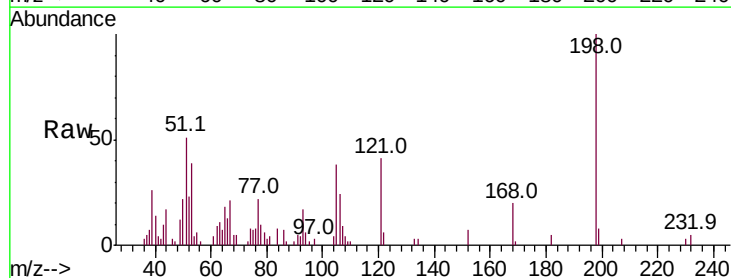
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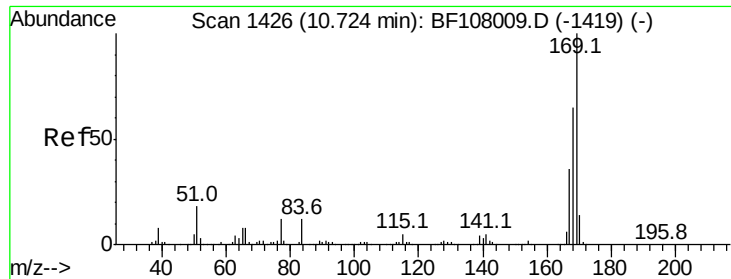
Sohil
8/9/2018 5:01:25 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 8.224 ng
RT: 10.64 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	13359		
51	50.8		37.7	77.7
105	38.1		36.3	76.3





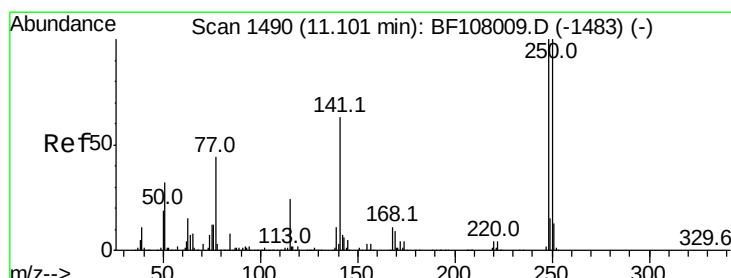
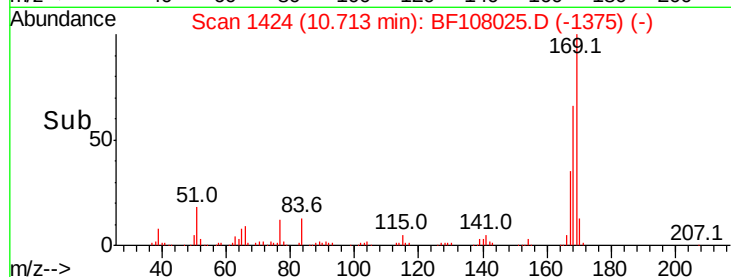
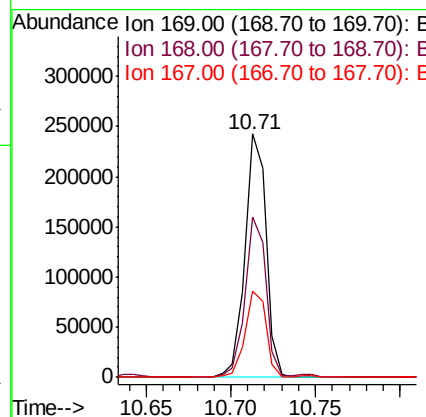
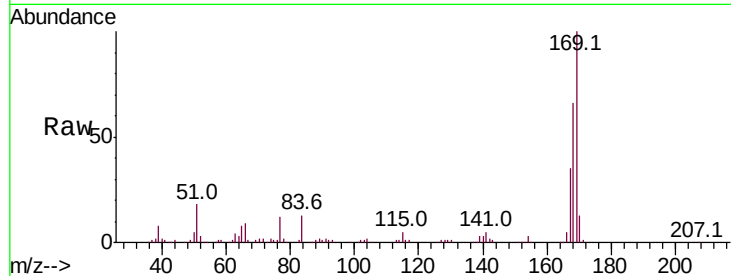
#65
n-Nitrosodiphenylamine
Concen: 6.505 ng
RT: 10.71 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	65.9	54.4	81.6	
167	35.4	29.8	44.6	

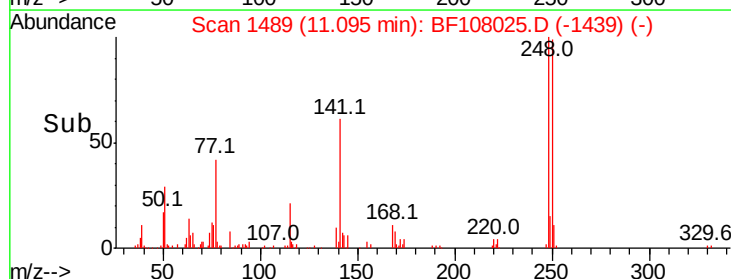
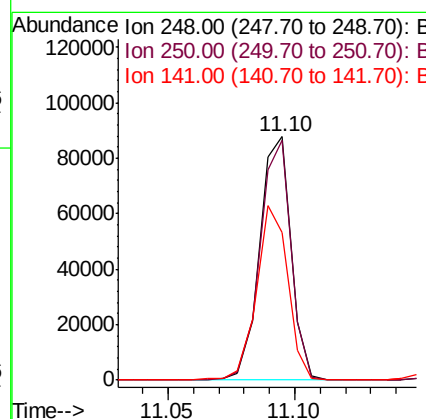
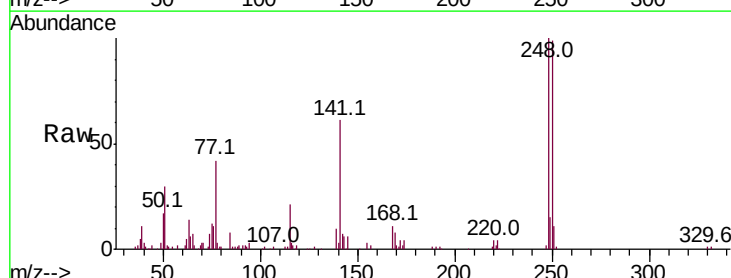
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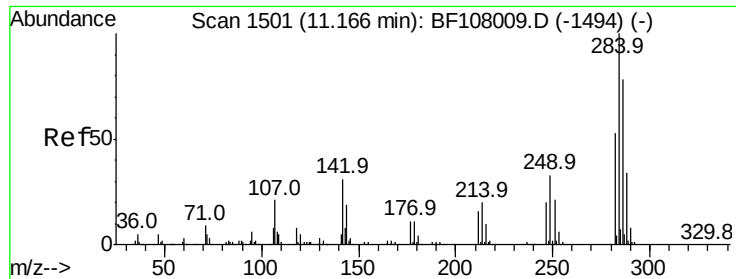
Sohil
8/9/2018 5:01:25 PM



#66
4-Bromophenyl-phenylether
Concen: 6.321 ng
RT: 11.10 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	98.7	76.9	115.3	
141	60.7	74.4	111.6	





#67

Hexachlorobenzene

Concen: 6.281 ng

RT: 11.16 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

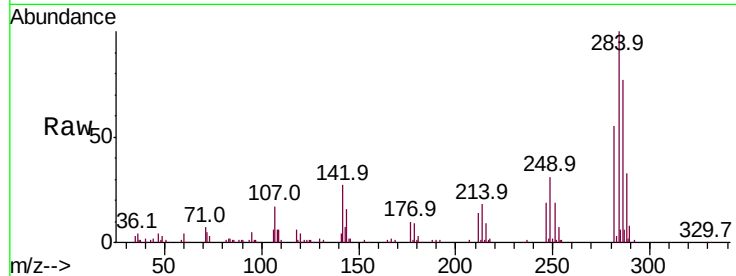
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	27.0	34.6	52.0	
249	31.2	24.8	37.2	

Manual Integrations
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8/9/2018 5:01:25 PM

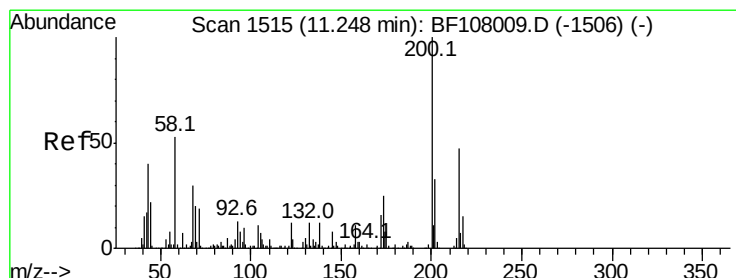
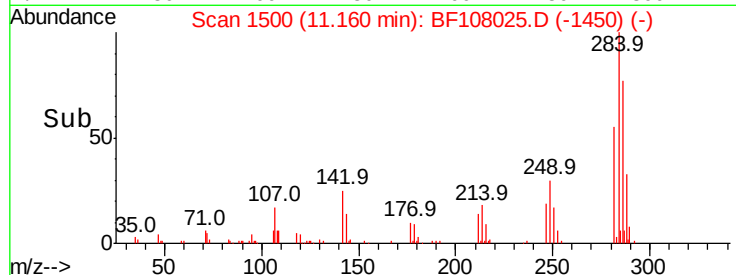
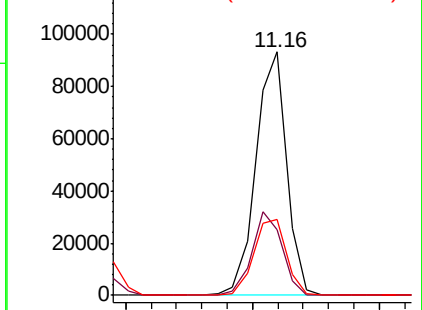


Abundance

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: 6.255 ng

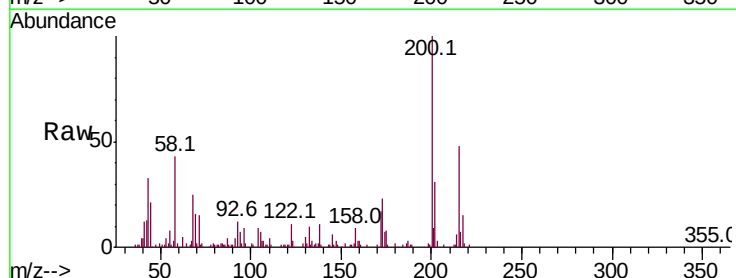
RT: 11.24 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	23.4	8.6	48.6	
215	47.9	25.1	65.1	

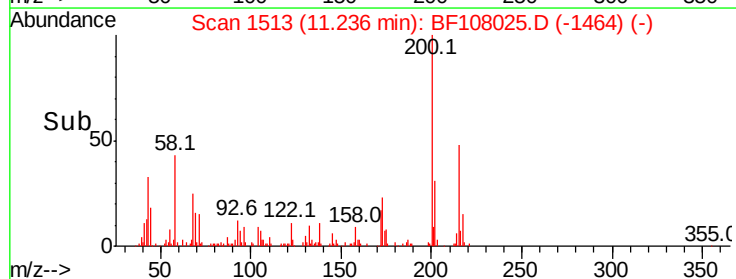
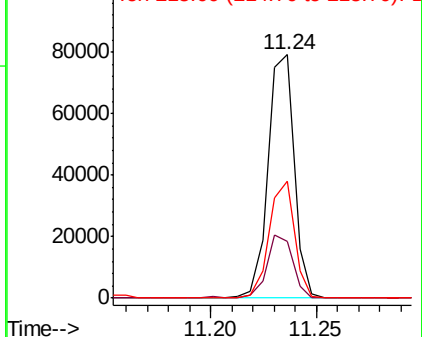


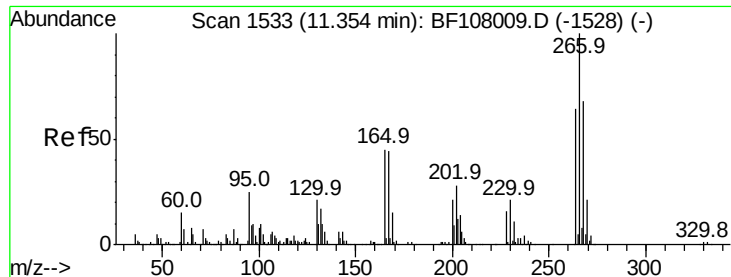
Abundance

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





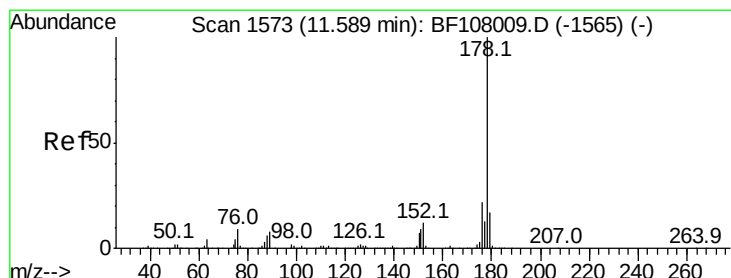
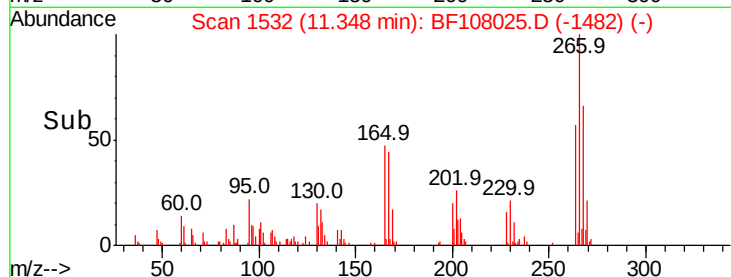
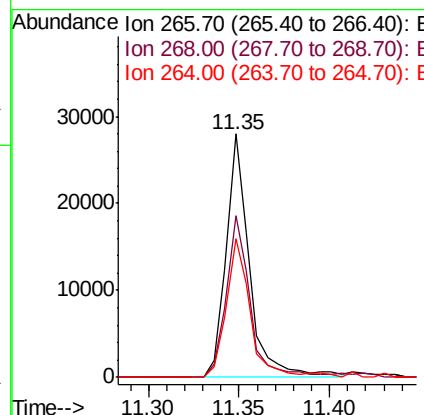
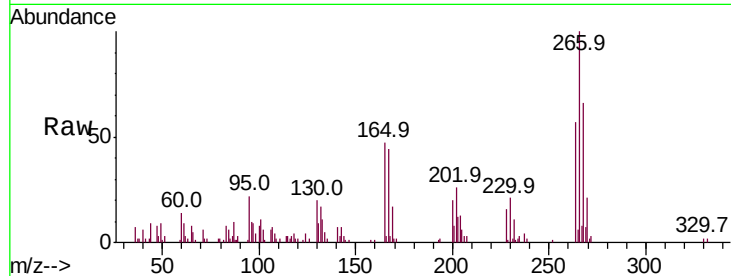
#69
 Pentachlorophenol
 Concen: 4.169 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
266	100	25171		
268	66.2	51.1	76.7	
264	56.9	49.5	74.3	

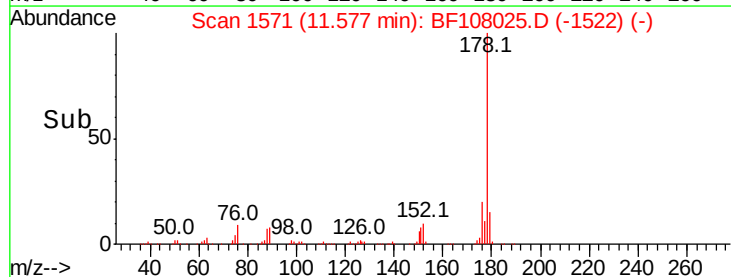
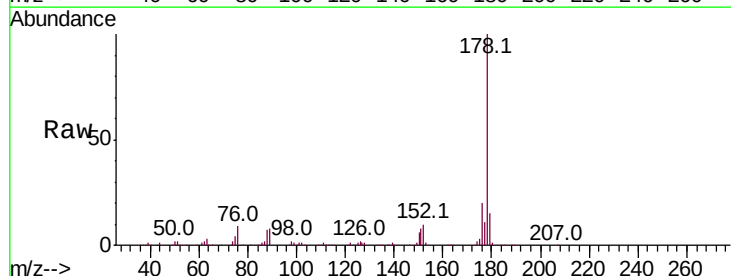
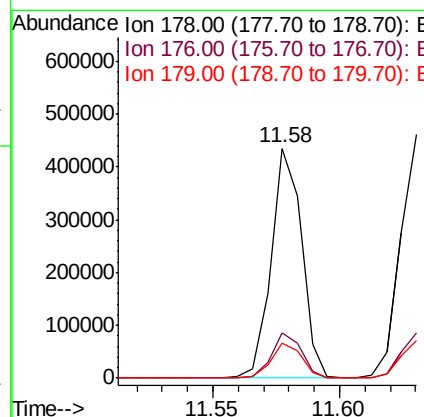
Manual Integrations
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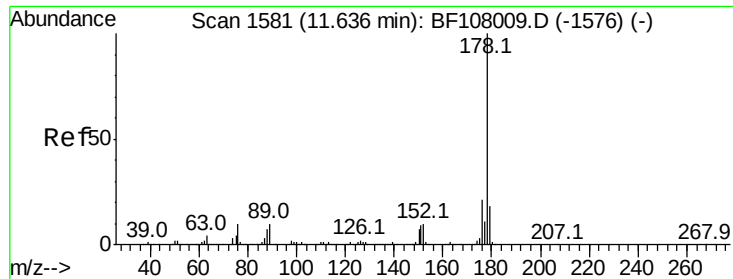
Sohil
 8/9/2018 5:01:25 PM



#70
 Phenanthrene
 Concen: 6.999 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	364176		
176	19.6	15.8	23.8	
179	15.0	13.0	19.6	





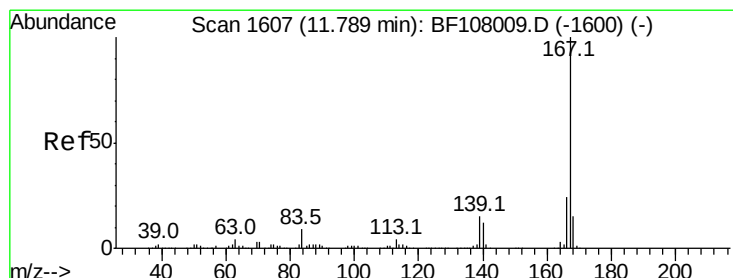
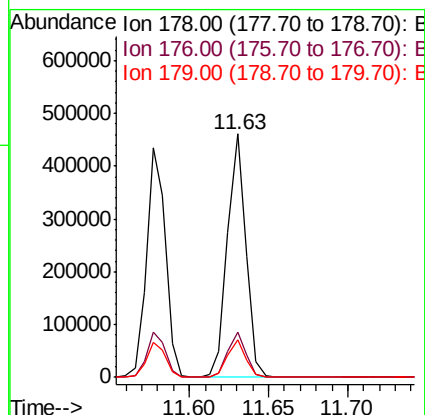
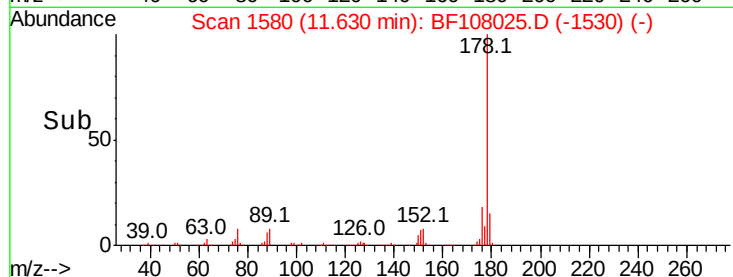
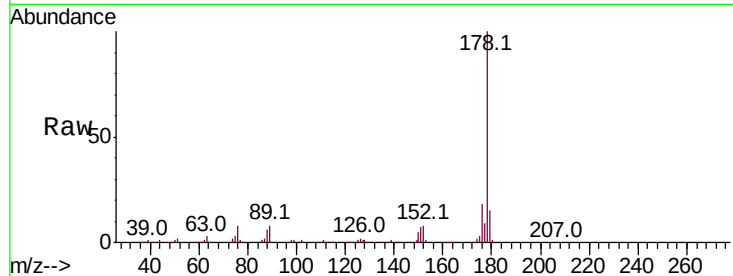
#71
 Anthracene
 Concen: 6.978 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.2	12.6	19.0

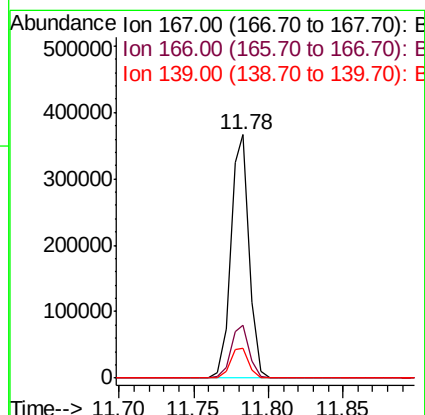
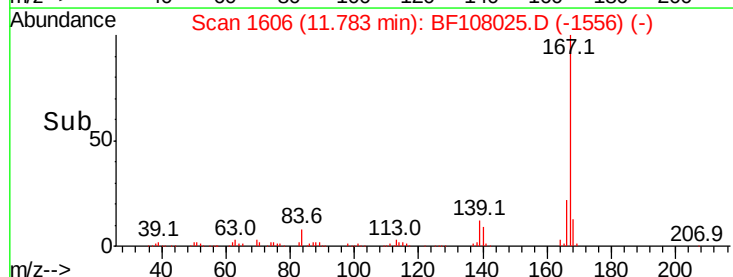
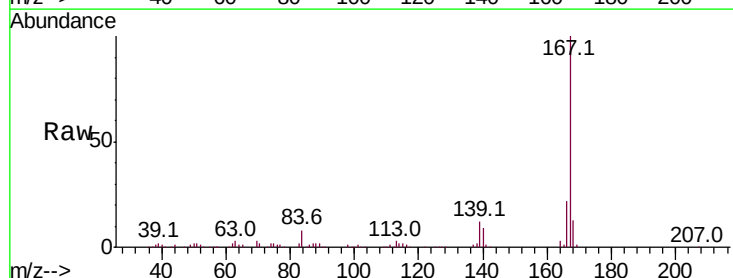
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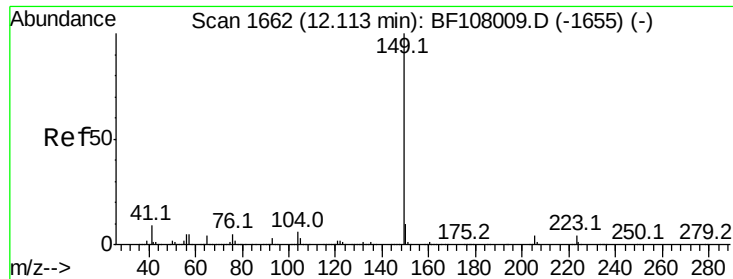
Sohil
 8/9/2018 5:01:25 PM



#72
 Carbazole
 Concen: 6.723 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	12.2	10.9	16.3





#73

Di-n-butylphthalate

Concen: 6.793 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

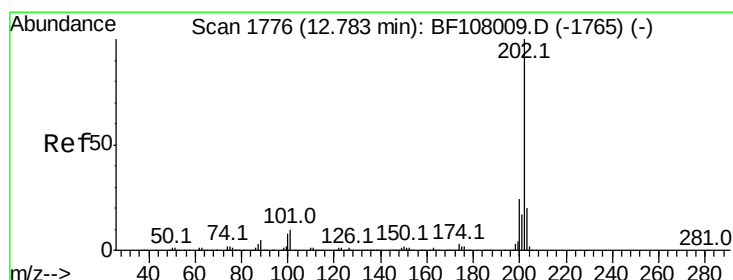
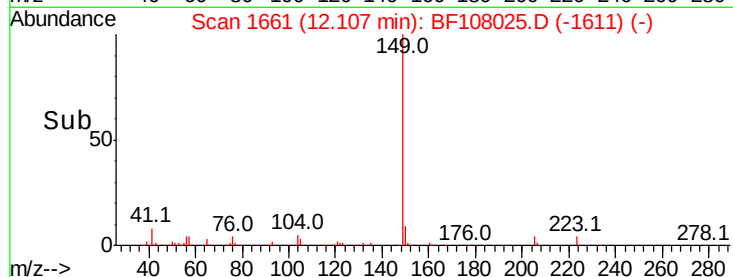
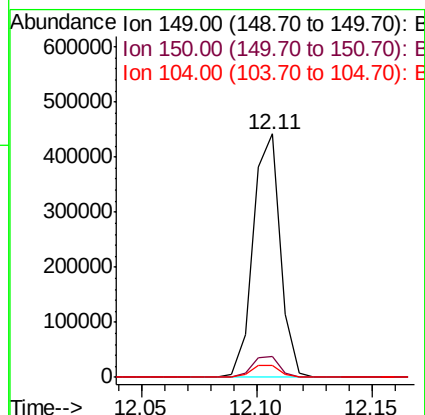
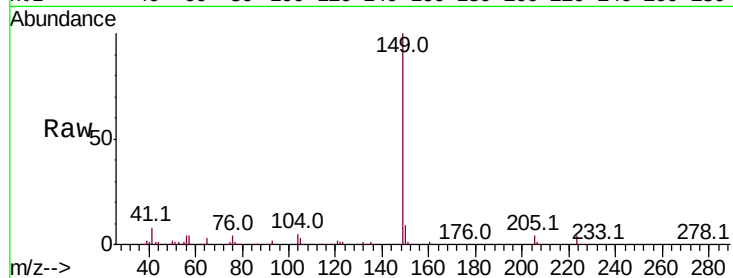
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	149	Resp:	364593
Ion Ratio	Lower	Upper	
149	100		
150	8.7	7.8	11.6
104	4.7	3.8	5.8

Manual Integrations
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Sohil
8/9/2018 5:01:25 PM



#74

Fluoranthene

Concen: 7.002 ng

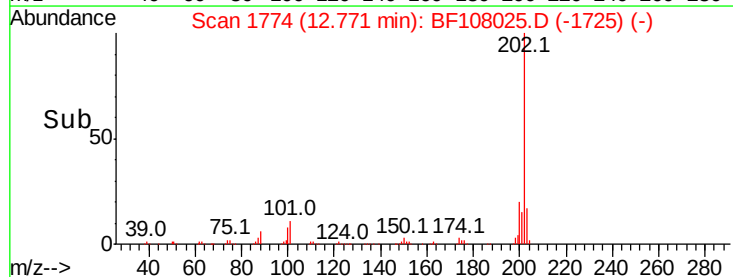
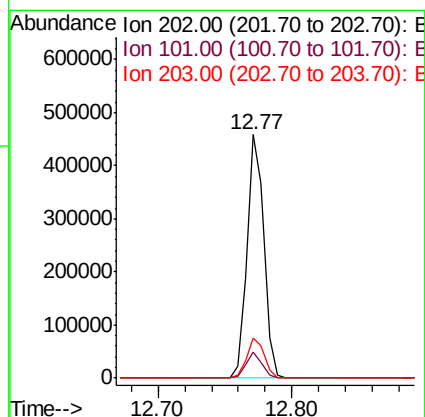
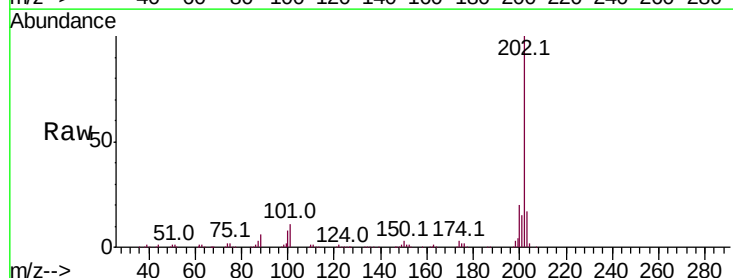
RT: 12.77 min Scan# 1774

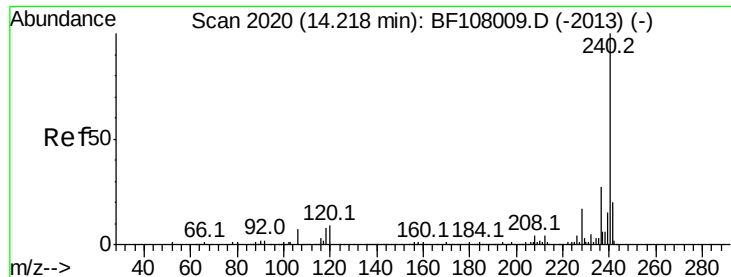
Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:	202	Resp:	397623
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	16.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

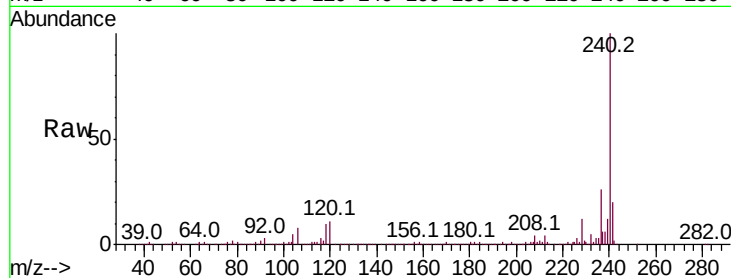
ClientSampleId :

MDL-SOIL-03-QT3-2018

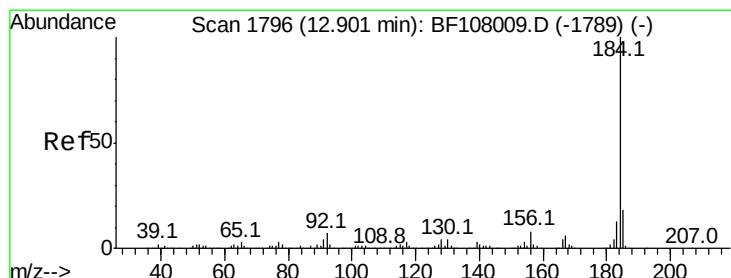
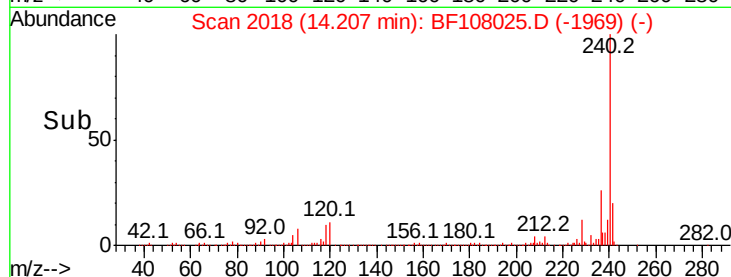
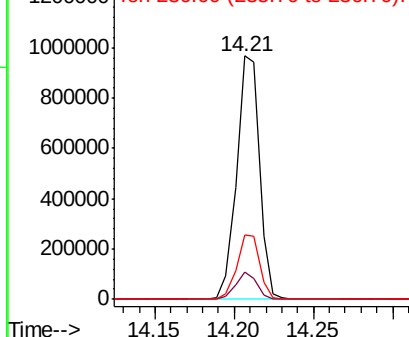
Tot Ion:	240	Resp:	968657
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	26.5	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.838 ng

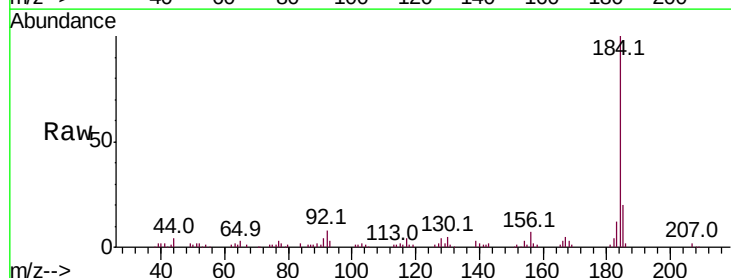
RT: 12.89 min Scan# 1794

Delta R.T. -0.01 min

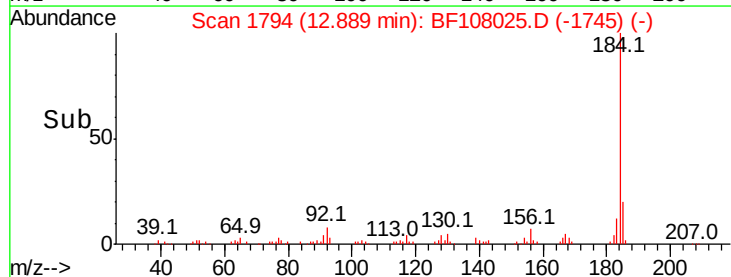
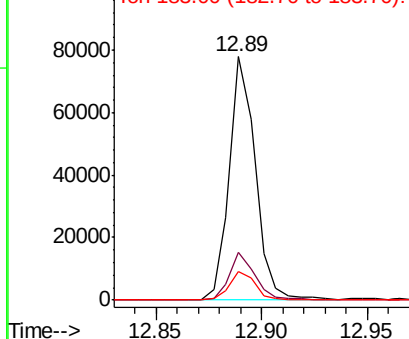
Lab File: BF108025.D

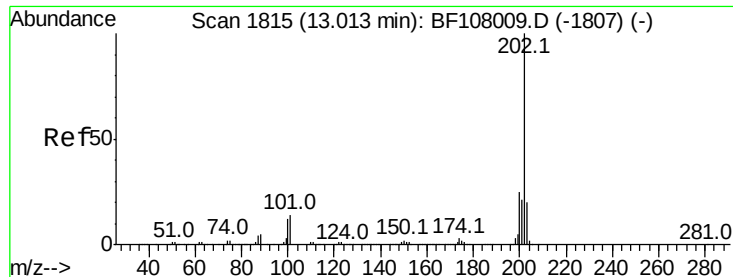
Acq: 8 Aug 2018 17:49

Tgt Ion:	184	Resp:	66535
Ion Ratio	Lower	Upper	
184	100		
185	19.8	12.6	18.8#
183	12.0	9.3	13.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 6.538 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

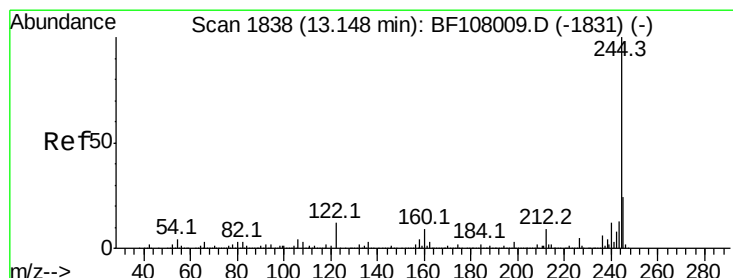
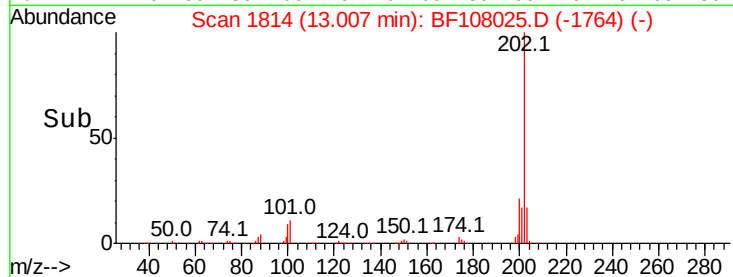
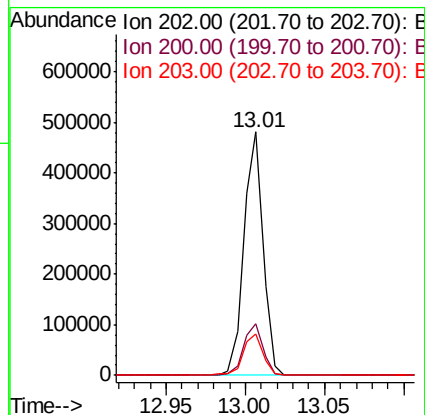
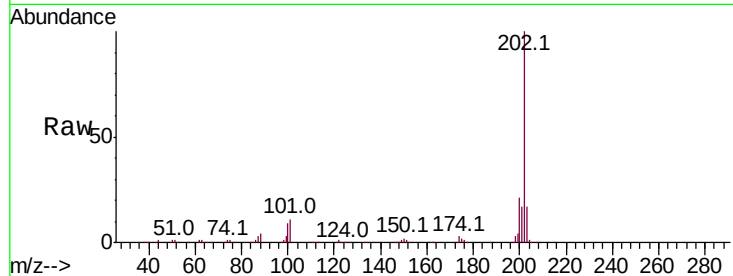
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	202	Resp:	400923
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.1	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 74.975 ng

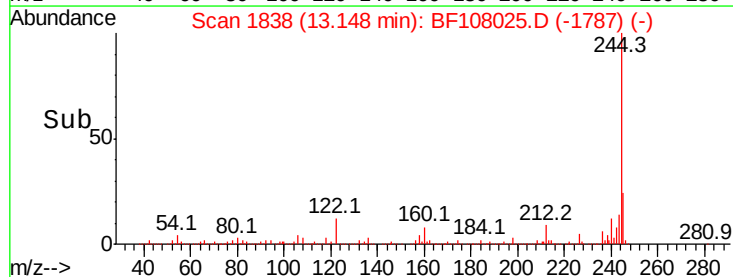
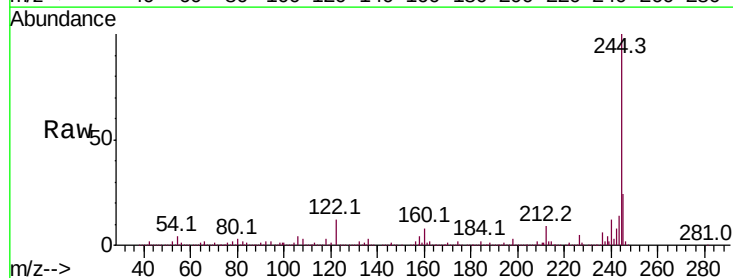
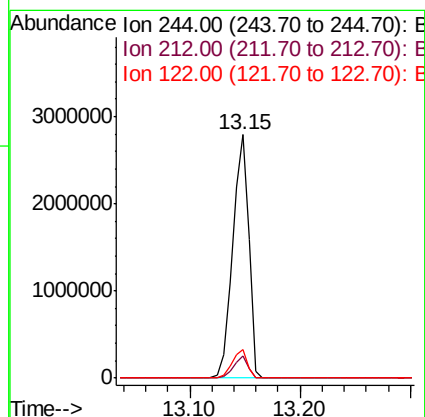
RT: 13.15 min Scan# 1838

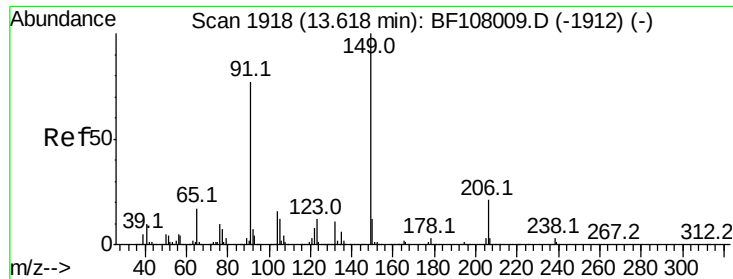
Delta R.T. 0.00 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion:	244	Resp:	2856356
Ion Ratio		Lower	Upper
244	100		
212	8.9	5.4	8.0#
122	11.7	11.0	16.4





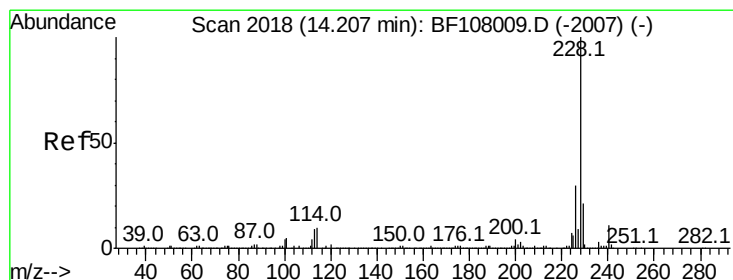
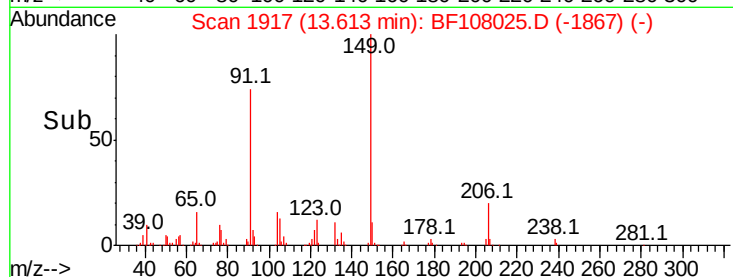
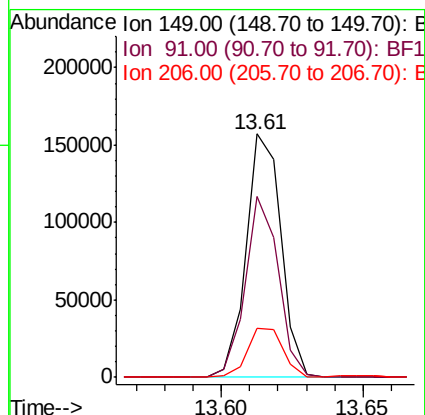
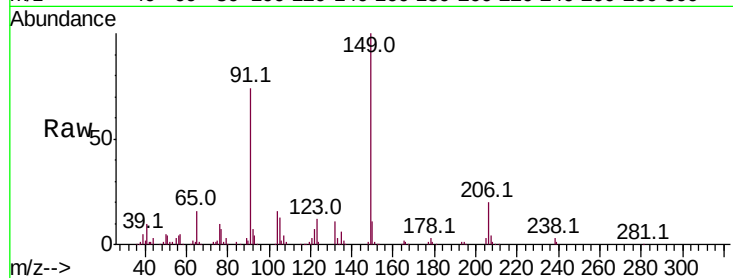
#79
Butylbenzylphthalate
Concen: 5.523 ng
RT: 13.61 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
149	100	134494		
91	74.2	56.8	85.2	
206	19.9	14.1	21.1	

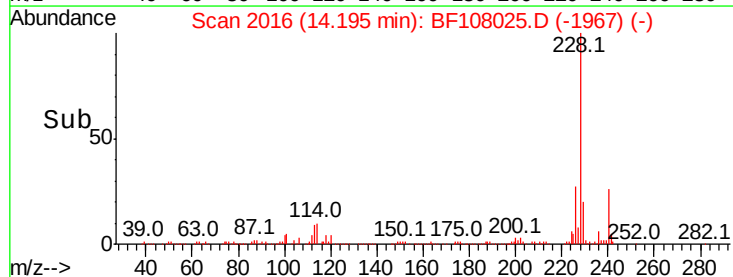
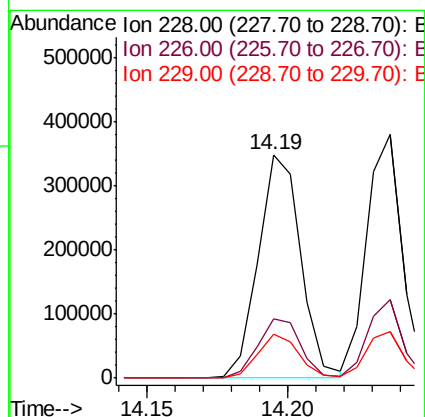
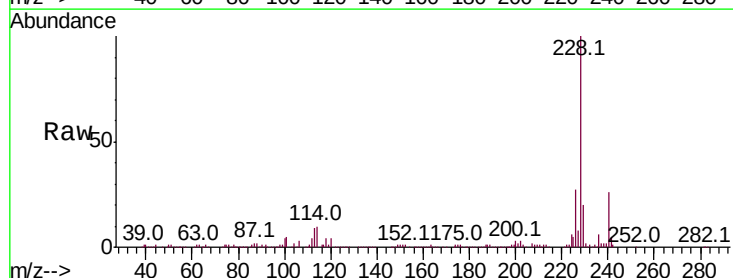
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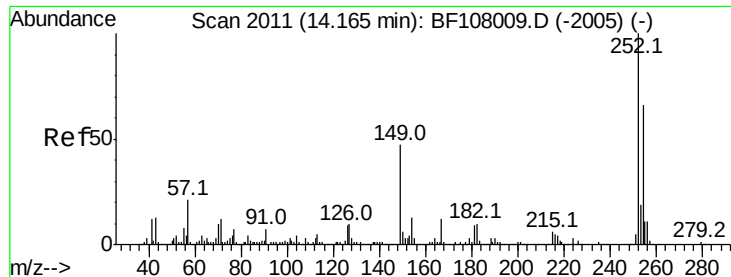
Sohil
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#80
Benzo(a)anthracene
Concen: 6.509 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	361848		
226	26.8	22.6	33.8	
229	19.7	15.8	23.6	





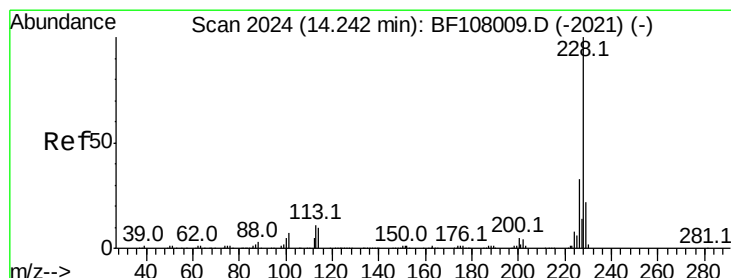
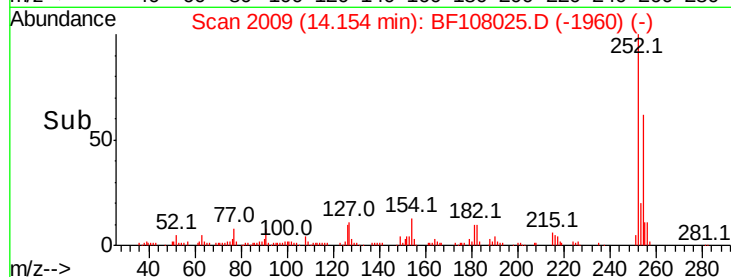
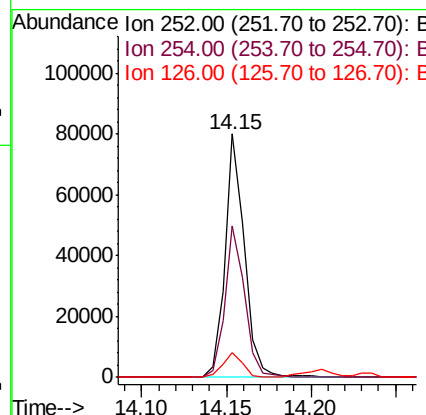
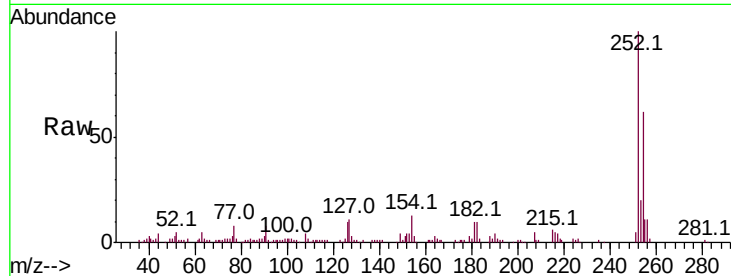
#81
 3,3'-Dichlorobenzidine
 Concen: 3.229 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
254	62.4	50.4	75.6
126	10.2	11.3	16.9#

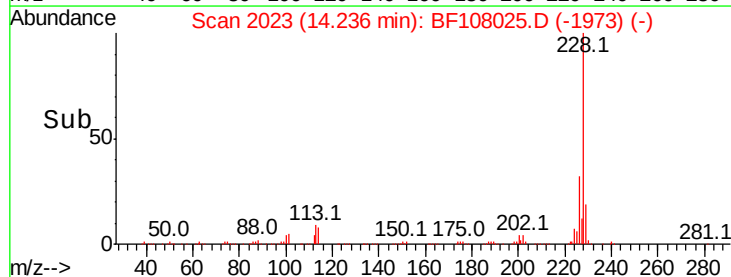
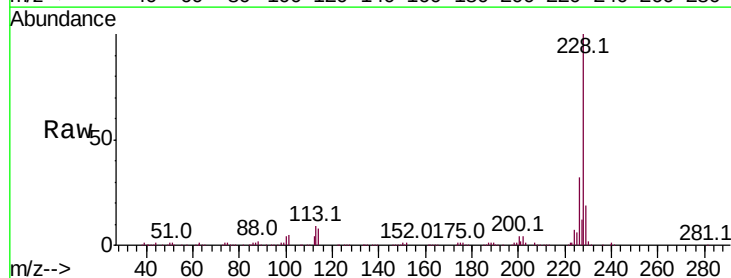
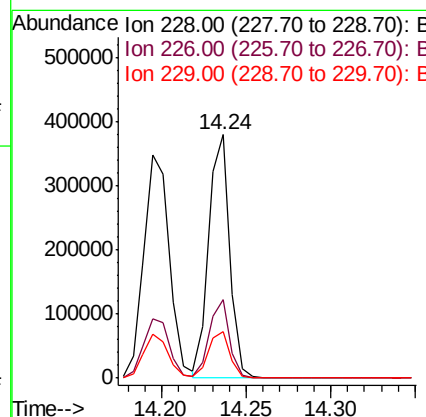
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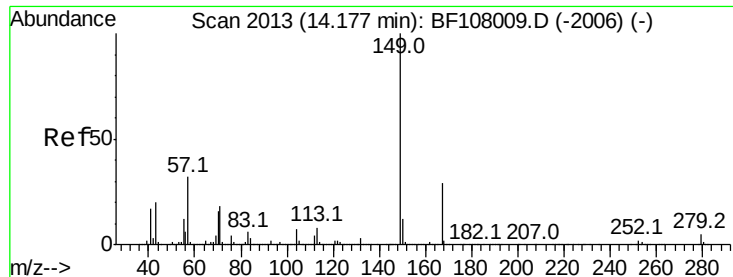
Sohil
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#82
 Chrysene
 Concen: 6.490 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	19.3	16.2	24.4





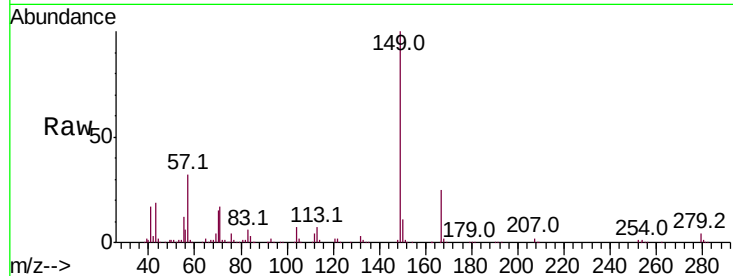
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.913 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
149	100	194998		
167	25.5	21.3	31.9	
279	3.9	3.0	4.4	

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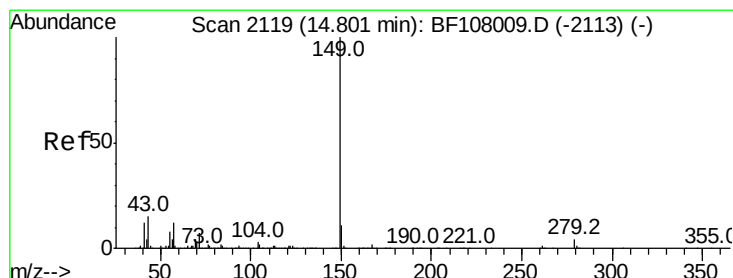
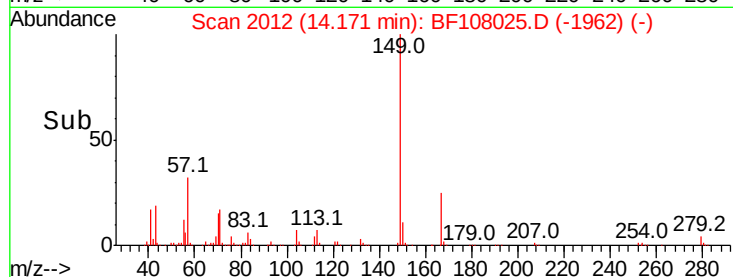
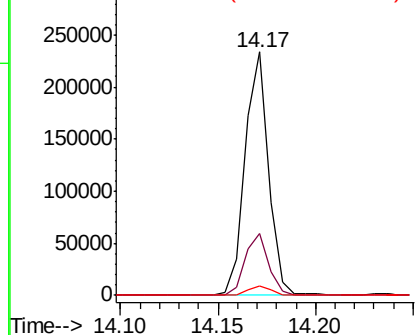


Abundance

Ion 149.00 (148.70 to 149.70): E

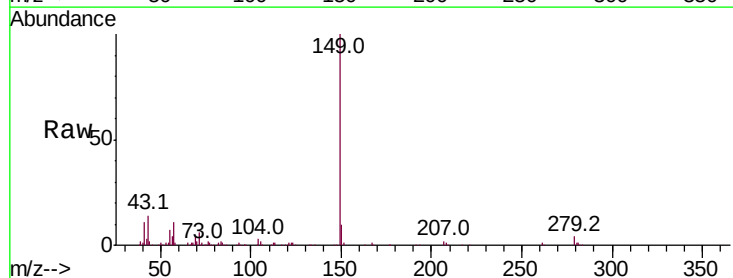
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Di-n-octyl phthalate
 Concen: 5.550 ng
 RT: 14.79 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: BF108025.D
 Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	279116		
167	1.2	1.2	1.8	
43	13.1	8.4	12.6	

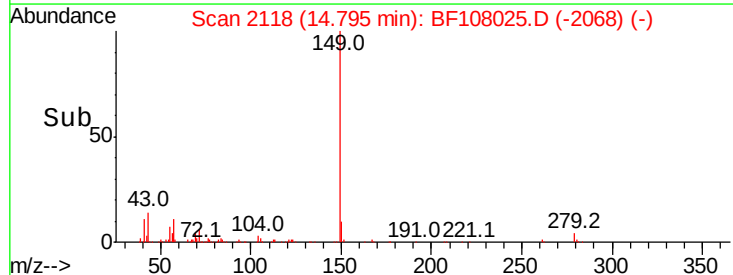
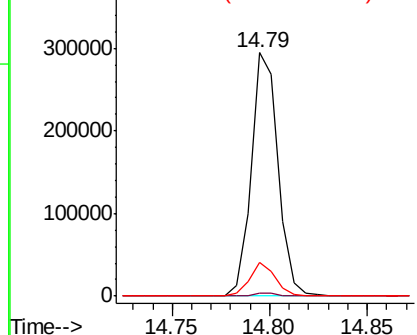


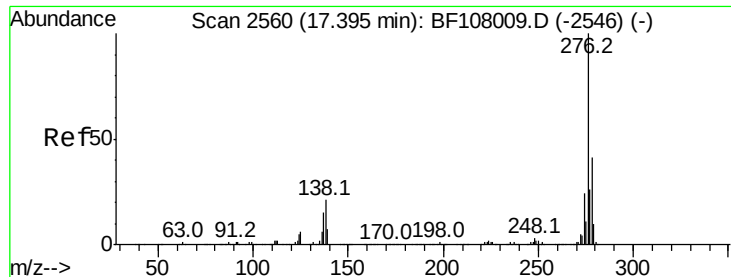
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.558 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.02 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

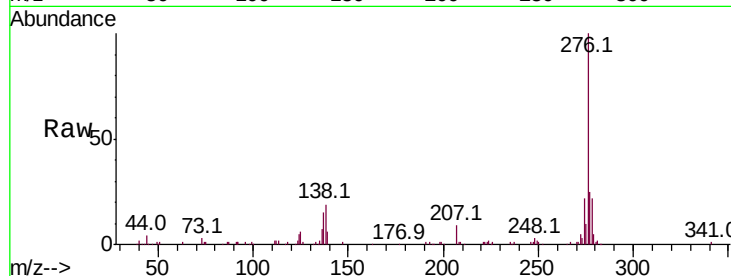
ClientSampleId :

MDL-SOIL-03-QT3-2018

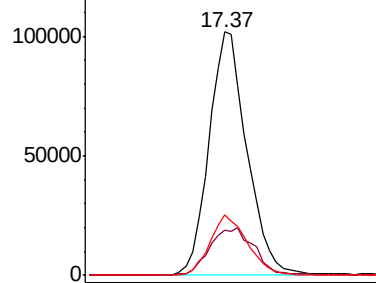
Tot Ion:	276	Resp:	245446
Ion Ratio	Lower	Upper	
276	100		
138	23.0	25.0	37.6#
277	24.5	20.1	30.1

Manual Integrations
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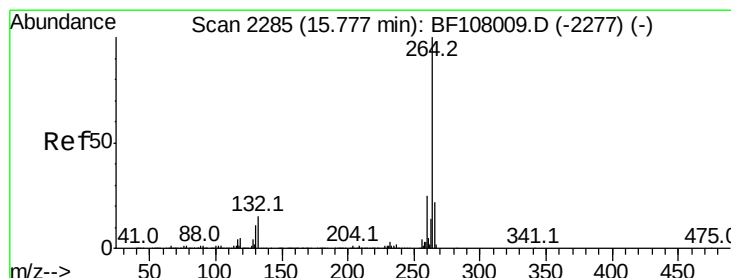
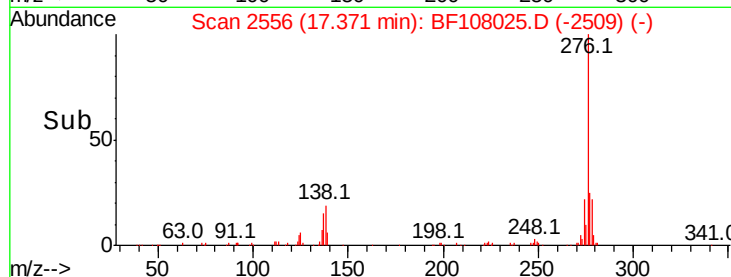
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

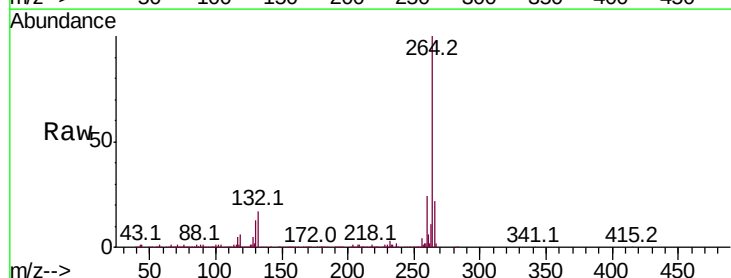
RT: 15.77 min Scan# 2283

Delta R.T. -0.01 min

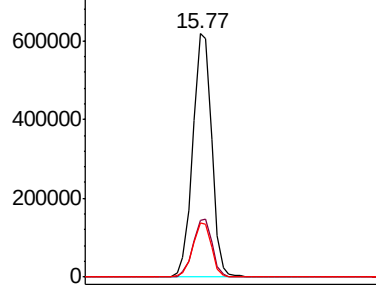
Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

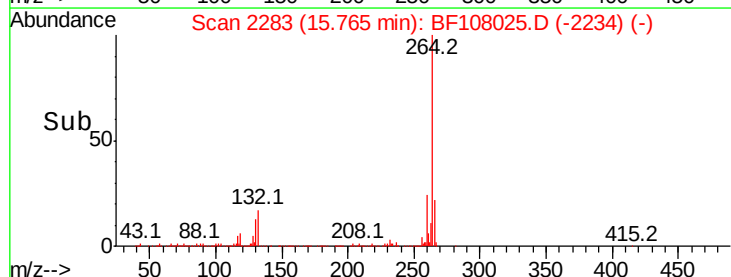
Tgt Ion:	264	Resp:	830162
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	22.2	17.5	26.3

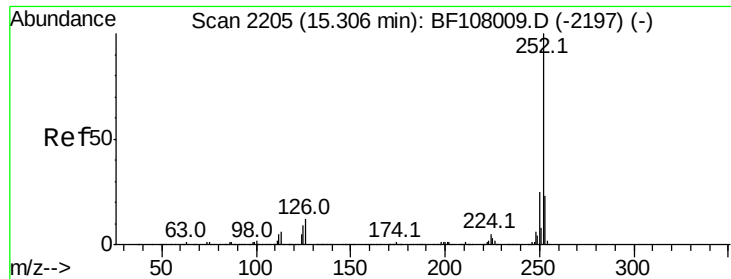


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 6.378 ng

RT: 15.29 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

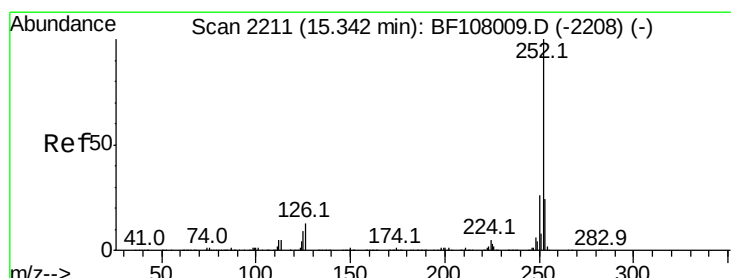
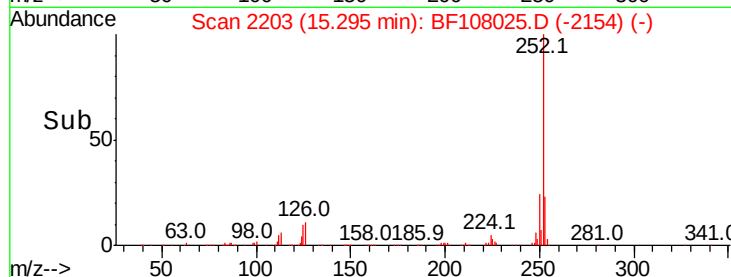
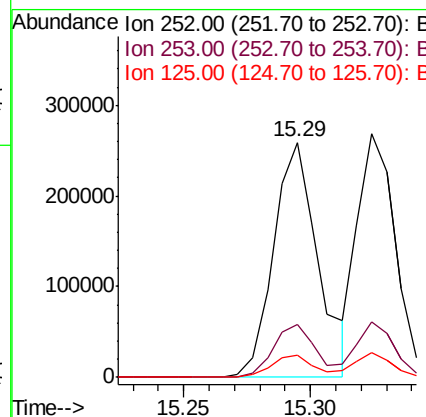
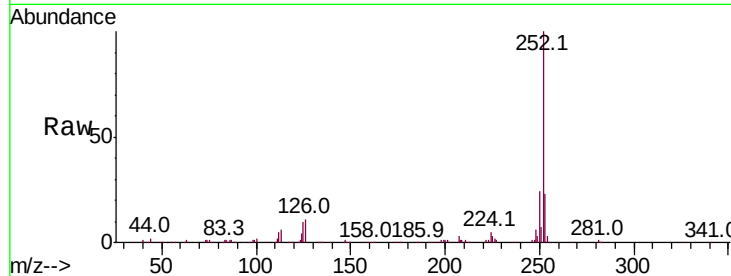
Instrument :
BNA_F

ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	9.7	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.160 ng

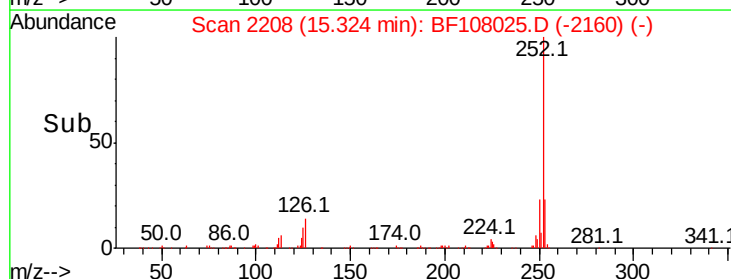
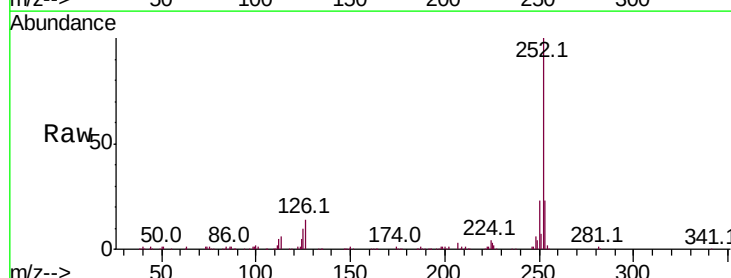
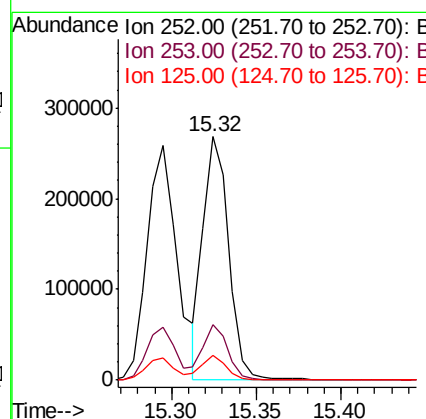
RT: 15.32 min Scan# 2208

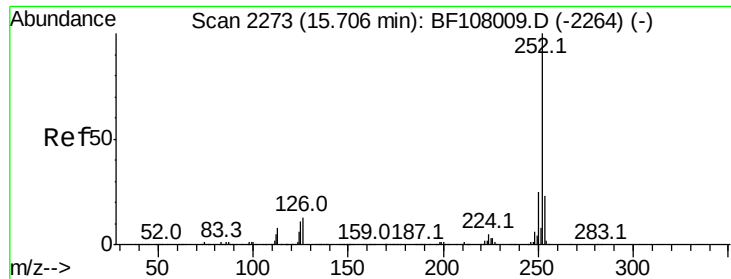
Delta R.T. -0.02 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	10.1	10.2	15.2#





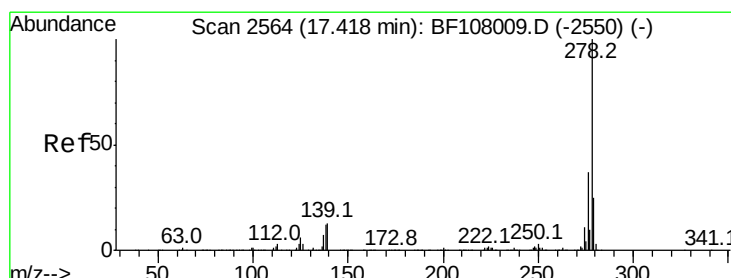
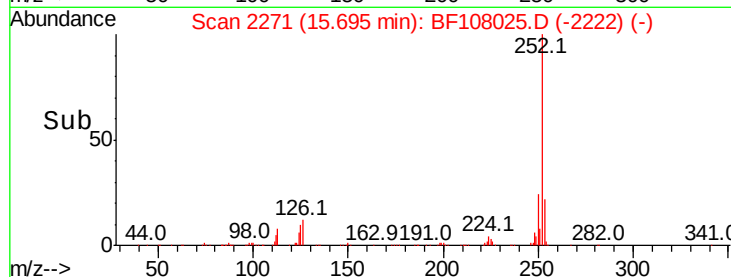
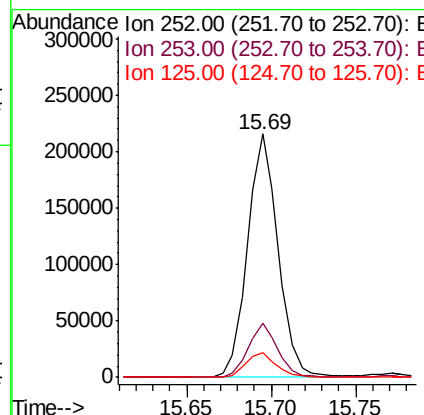
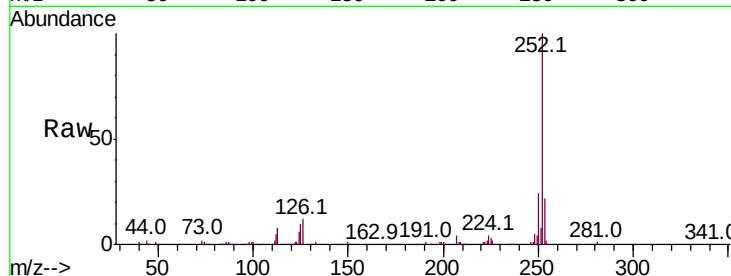
#89
Benzo(a)pyrene
Concen: 6.118 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
252	100	271749		
253	22.0		17.1	25.7
125	9.9		9.8	14.6

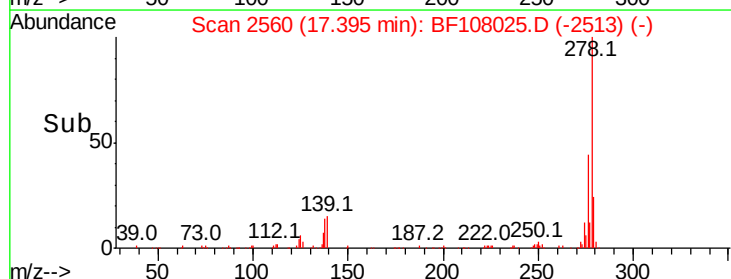
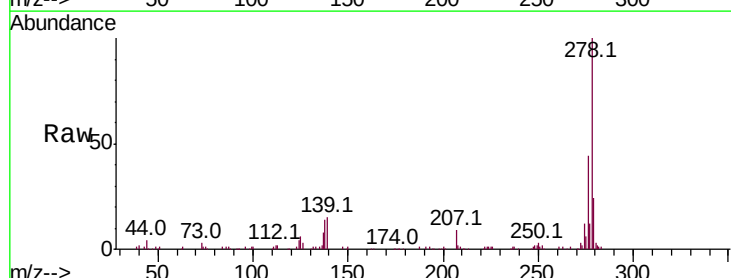
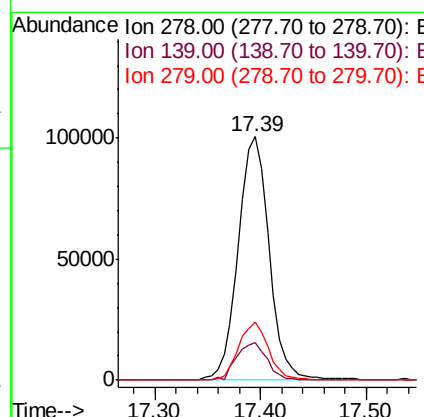
Manual Integrations
APPROVED

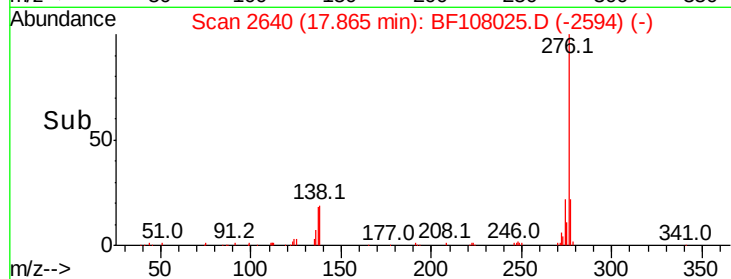
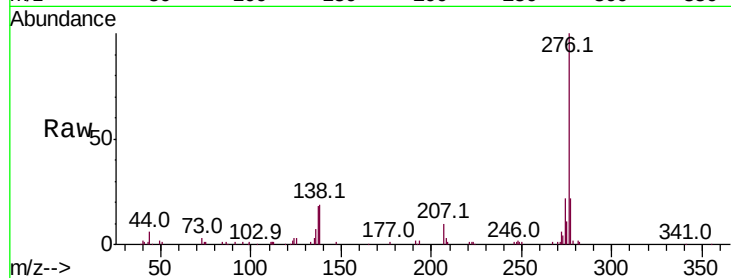
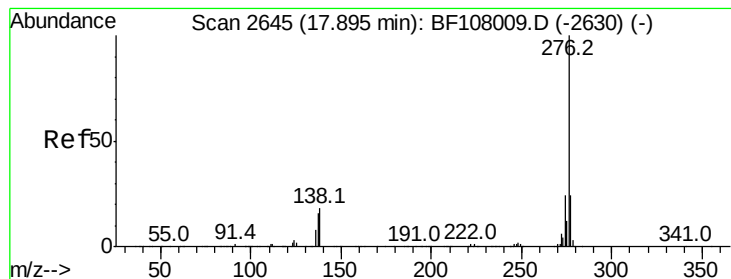
Sohil
8/9/2018 5:01:25 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.571 ng
RT: 17.39 min Scan# 2560
Delta R.T. -0.02 min
Lab File: BF108025.D
Acq: 8 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	204741		
139	15.3		15.9	23.9#
279	24.0		19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 5.473 ng

RT: 17.87 min Scan# 2640

Delta R.T. -0.03 min

Lab File: BF108025.D

Acq: 8 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.0	17.9	26.9
138	18.8	21.8	32.8

Manual Integrations
APPROVED

Sohil
8/9/2018 5:01:25 PM

