

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108023.D
 Acq On : 8 Aug 2018 16:54
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 1 PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 8/9/2018 5:01:19 PM

Quant Time: Aug 09 10:07:19 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	257518	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1027094	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	553180	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1154979	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1056292	20.00	ng	0.00
86) Perylene-d12	15.77	264	911791	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	1804025	126.83	ng	0.00
7) Phenol-d6	6.63	99	2410855	127.55	ng	0.00
23) Nitrobenzene-d5	7.58	82	1523509	82.77	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	767721	139.13	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2786624	80.87	ng	0.00
78) Terphenyl-d14	13.15	244	3408190	82.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.91	88	8378	1.146	ng	# 78
3) Pyridine	3.77	79	20560m	1.092	ng	
4) n-Nitrosodimethylamine	3.64	42	12339	1.165	ng	# 75
6) Aniline	6.68	93	15671	0.610	ng	# 90
8) 2-Chlorophenol	6.80	128	18866	1.178	ng	84
9) Benzaldehyde	6.57	77	14774	1.008	ng	97
10) Phenol	6.64	94	23913	1.223	ng	# 57
11) bis(2-Chloroethyl)ether	6.74	93	18385	1.163	ng	87
12) 1,3-Dichlorobenzene	6.95	146	21236	1.146	ng	94
13) 1,4-Dichlorobenzene	7.03	146	22212	1.194	ng	96
14) 1,2-Dichlorobenzene	7.18	146	20309	1.173	ng	97
15) Benzyl Alcohol	7.17	79	36177	2.274	ng	# 40
16) 2,2'-oxybis(1-Chloropropan	7.28	45	38979	1.197	ng	98
17) 2-Methylphenol	7.24	107	17294	1.259	ng	# 92
18) Hexachloroethane	7.53	117	7766	1.172	ng	92
19) n-Nitroso-di-n-propylamine	7.41	70	14729	1.152	ng	# 78
20) 3+4-Methylphenols	7.40	107	20787	1.181	ng	94
22) Acetophenone	7.41	105	30170	1.256	ng	# 93
24) Nitrobenzene	7.59	77	26172	1.406	ng	93
25) Isophorone	7.82	82	39012m	1.112	ng	
26) 2-Nitrophenol	7.91	139	5580	0.794	ng	98
27) 2,4-Dimethylphenol	7.93	122	17718	1.138	ng	93
28) bis(2-Chloroethoxy)methane	8.03	93	23737	1.159	ng	97
29) 2,4-Dichlorophenol	8.14	162	13577	0.947	ng	95
30) 1,2,4-Trichlorobenzene	8.24	180	18512	1.172	ng	98
31) Naphthalene	8.32	128	59061	1.264	ng	97
32) Benzoic acid	7.94	122	1910m	6.160	ng	
33) 4-Chloroaniline	8.36	127	14240	0.700	ng	97
34) Hexachlorobutadiene	8.43	225	11501	1.150	ng	94
35) Caprolactam	8.67	113	3679	0.819	ng	# 60
36) 4-Chloro-3-methylphenol	8.82	107	14821	0.959	ng	98
37) 2-Methylnaphthalene	9.01	142	41858	1.267	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	20344	1.198	ng	97
40) Hexachlorocyclopentadiene	9.16	237	9724	0.886	ng	89

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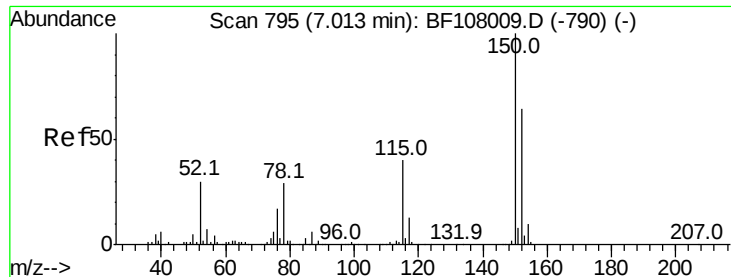
Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	8338	0.791	nq	99
43) 2,4,5-Trichlorophenol	9.31	196	9962	0.858	nq	# 92
45) 1,1'-Biphenyl	9.47	154	54842	1.345	nq	98
46) 2-Chloronaphthalene	9.50	162	39740	1.233	nq	93
47) 2-Nitroaniline	9.59	65	9329	0.894	nq	88
48) Acenaphthylene	9.92	152	62848	1.233	nq	98
49) Dimethylphthalate	9.76	163	46045	1.195	nq	97
50) 2,6-Dinitrotoluene	9.83	165	7522	0.933	nq	# 88
51) Acenaphthene	10.09	154	39350	1.261	nq	95
52) 3-Nitroaniline	10.00	138	6832	0.775	nq	# 89
53) 2,4-Dinitrophenol	10.10	184	674	7.224	nq	# 1
54) Dibenzofuran	10.27	168	59976	1.326	nq	97
55) 4-Nitrophenol	10.14	139	4387	0.657	nq	# 82
56) 2,4-Dinitrotoluene	10.23	165	8177	0.788	nq	# 77
57) Fluorene	10.61	166	48351	1.351	nq	96
58) 2,3,4,6-Tetrachlorophenol	10.38	232	7587	0.782	nq	# 90
59) Diethylphthalate	10.47	149	44389	1.190	nq	97
60) 4-Chlorophenyl-phenylether	10.60	204	22631	1.213	nq	93
61) 4-Nitroaniline	10.61	138	7793	0.894	nq	86
62) Azobenzene	10.76	77	47224	1.225	nq	95
64) 4,6-Dinitro-2-methylphenol	10.64	198	1668	5.700	nq	# 48
65) n-Nitrosodiphenylamine	10.71	169	39168	1.148	nq	98
66) 4-Bromophenyl-phenylether	11.09	248	14078	1.122	nq	87
67) Hexachlorobenzene	11.16	284	14888	1.127	nq	# 87
68) Atrazine	11.23	200	12100	1.057	nq	98
69) Pentachlorophenol	11.35	266	3168	0.501	nq	97
70) Phenanthrene	11.58	178	71851	1.319	nq	99
71) Anthracene	11.63	178	71693	1.284	nq	98
72) Carbazole	11.78	167	60719	1.224	nq	98
73) Di-n-butylphthalate	12.11	149	62790	1.117	nq	100
74) Fluoranthene	12.77	202	76949	1.294	nq	94
76) Benzidine	12.89	184	8311	0.211	nq	# 88
77) Pyrene	13.01	202	78363	1.172	nq	99
79) Butylbenzylphthalate	13.61	149	20533	0.773	nq	# 96
80) Benzo(a)anthracene	14.20	228	71997	1.188	nq	98
81) 3,3'-Dichlorobenzidine	14.15	252	12138	0.559	nq	99
82) Chrysene	14.24	228	70812	1.274	nq	97
83) Bis(2-ethylhexyl)phthalate	14.17	149	32056	0.891	nq	99
84) Di-n-octyl phthalate	14.80	149	42445	0.774	nq	# 91
85) Indeno(1,2,3-cd)pyrene	17.38	276	45212	0.939	nq	94
87) Benzo(b)fluoranthene	15.29	252	60225	1.105	nq	# 95
88) Benzo(k)fluoranthene	15.32	252	55392	1.106	nq	# 91
89) Benzo(a)pyrene	15.69	252	49598	1.017	nq	97
90) Dibenzo(a,h)anthracene	17.39	278	37317	0.924	nq	# 92
91) Benzo(g,h,i)perylene	17.86	276	38621	0.972	nq	# 87

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



#1

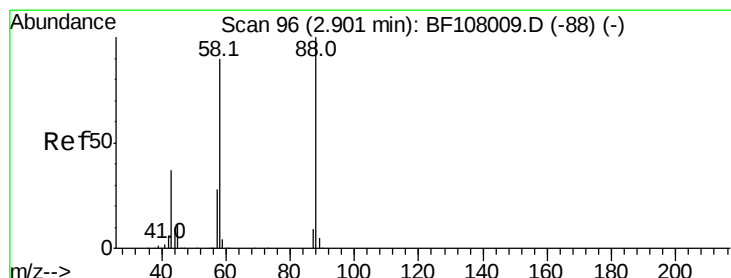
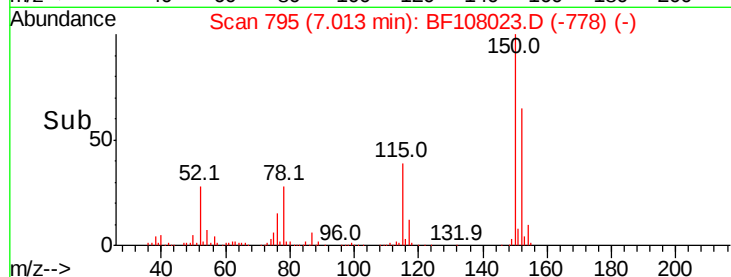
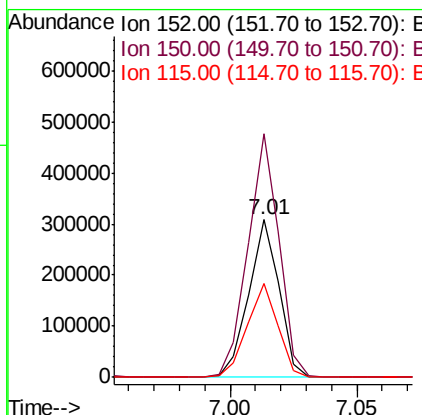
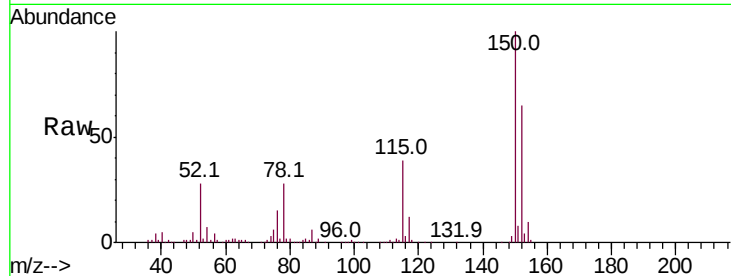
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	59.7	50.1	75.1

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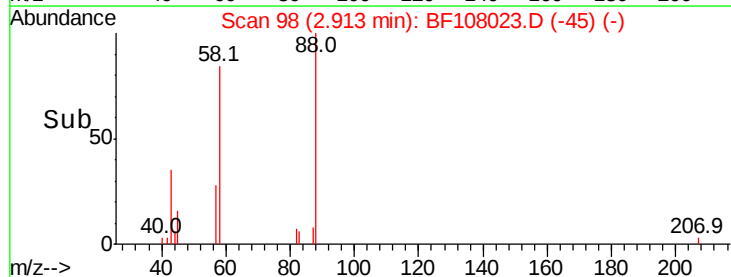
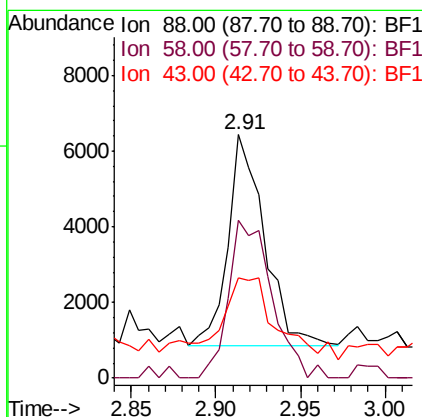
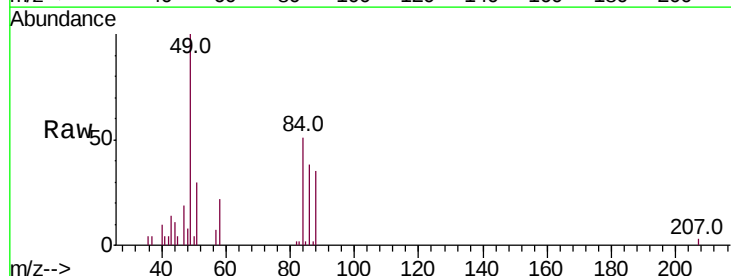
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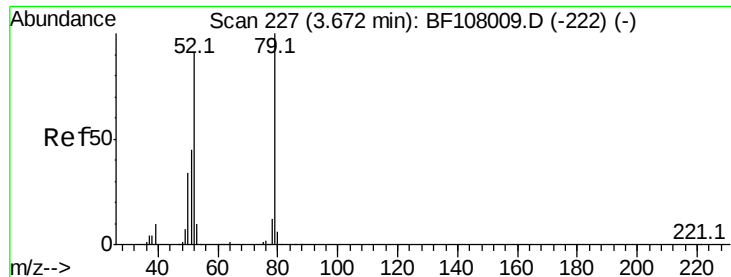


#2

1,4-Dioxane
Concen: 1.146 ng
RT: 2.91 min Scan# 98
Delta R.T. 0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.0	62.6	93.8
43	56.3	24.6	37.0#





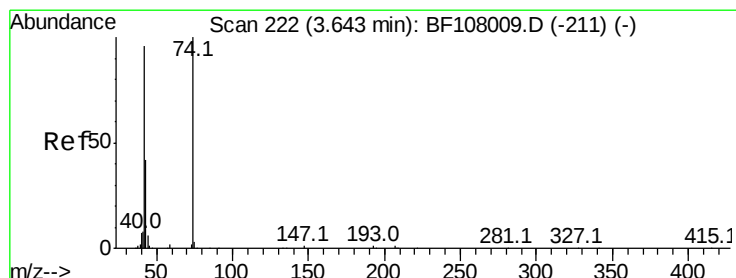
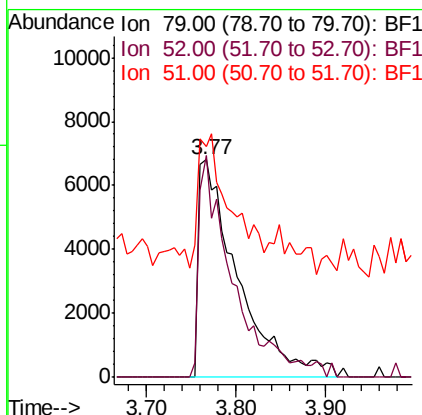
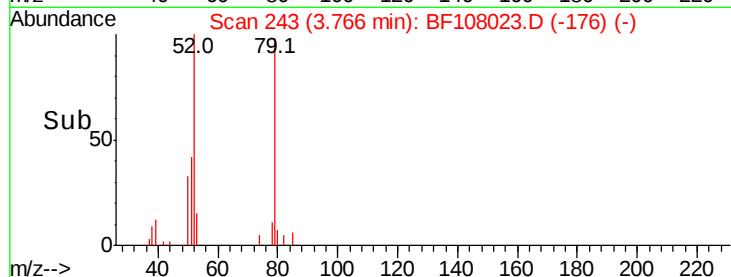
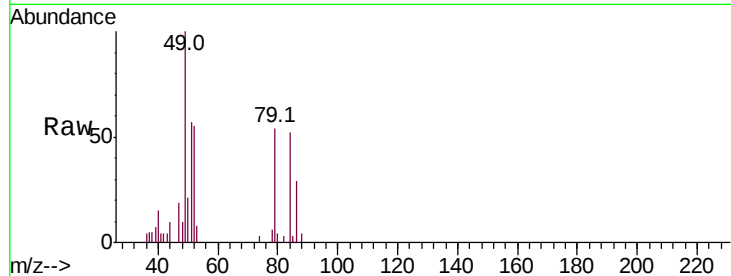
#3
 Pvridine
 Concen: 1.092 ng/ml
 RT: 3.77 min Scan# 243
 Delta R.T. 0.09 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
79	100		
52	102.2	59.8	89.6#
51	106.4	29.8	44.8#

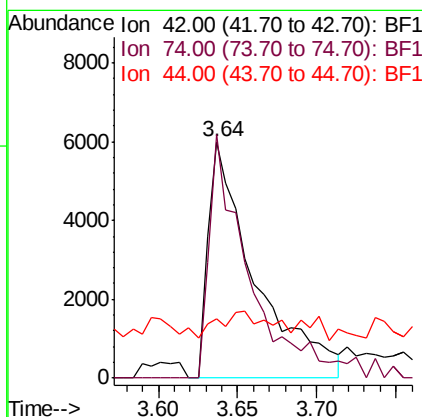
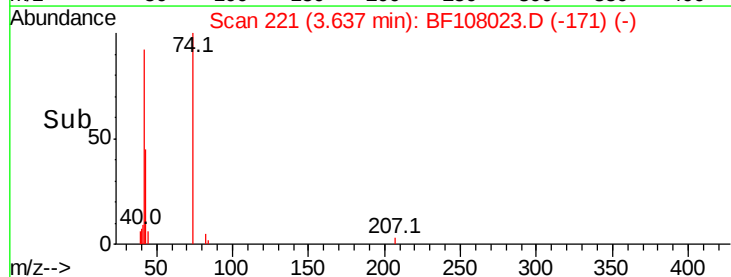
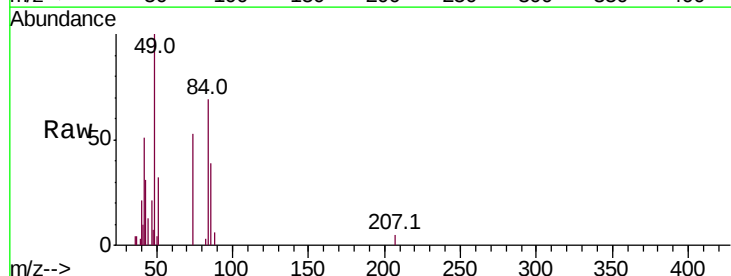
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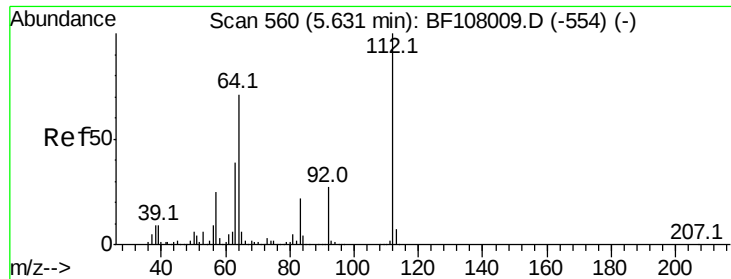
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#4
 n-Nitrosodimethylamine
 Concen: 1.165 ng/ml
 RT: 3.64 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
42	100		
74	103.0	104.9	157.3#
44	25.0	6.9	10.3#





#5

2-Fluorophenol

Concen: 126.830 ng

RT: 5.63 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 112 Resp: 1804025

Ion Ratio Lower Upper

112 100

64 75.0 47.9 71.9#

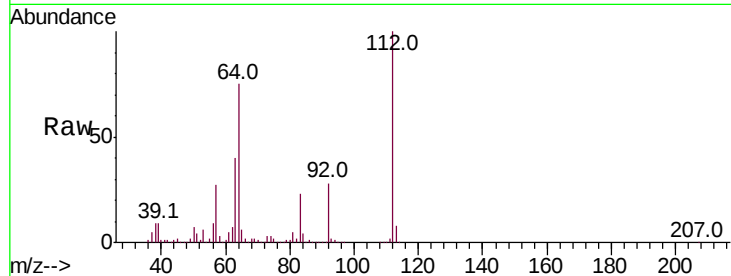
63 40.1 23.7 35.5#

Manual Integrations

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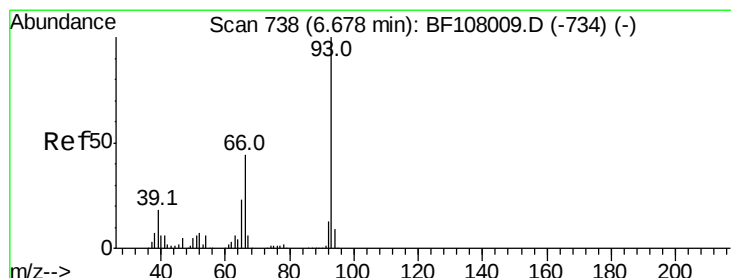
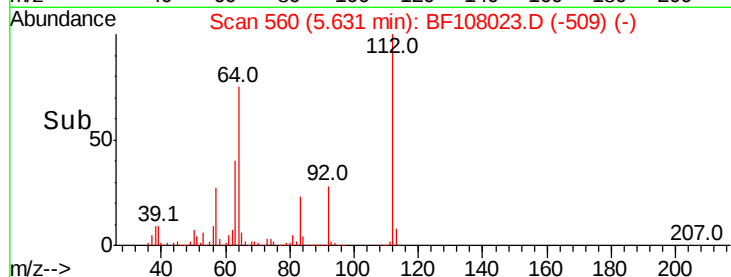
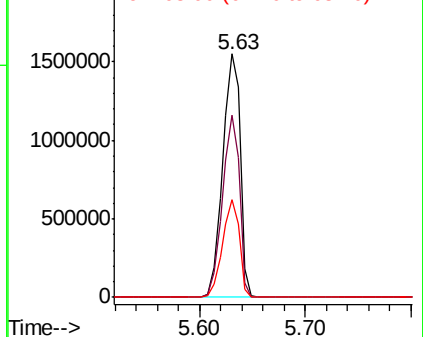


Abundance

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: 0.610 ng

RT: 6.68 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion: 93 Resp: 15671

Ion Ratio Lower Upper

93 100

66 45.9 32.2 48.2

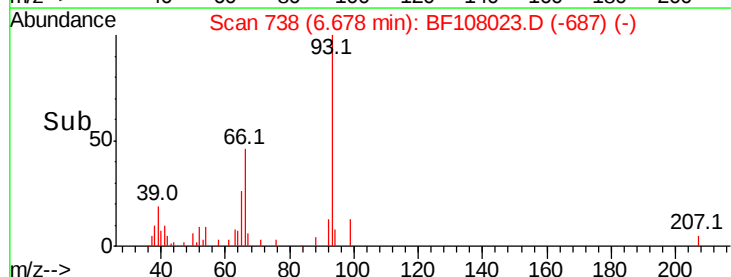
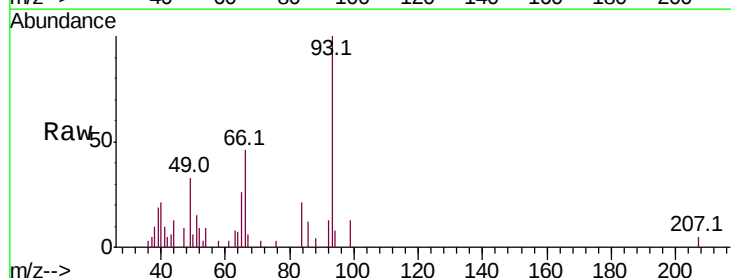
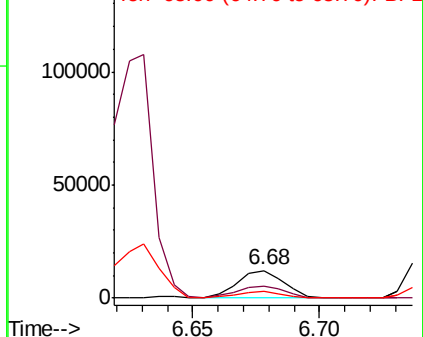
65 26.2 16.4 24.6#

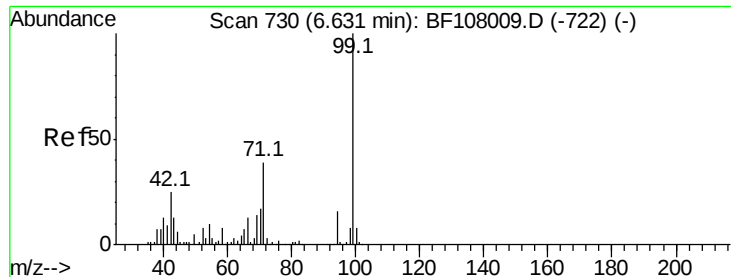
Abundance

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: 127.547 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 99 Resp: 2410855

Ion Ratio Lower Upper

99 100

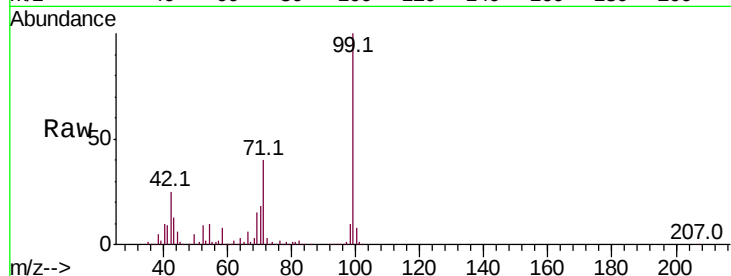
42 25.5 14.5 21.7#

71 39.6 25.4 38.0#

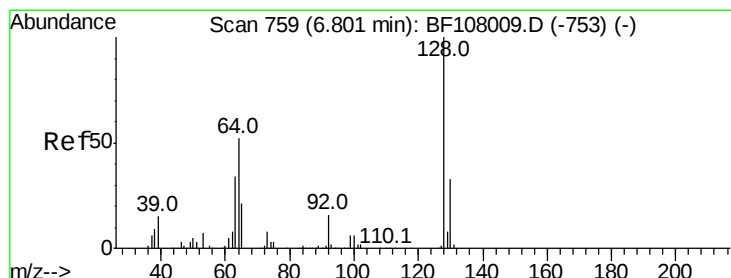
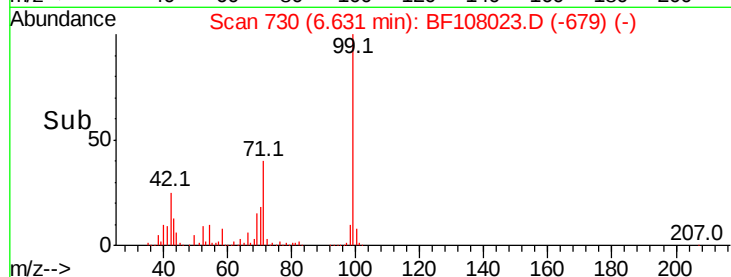
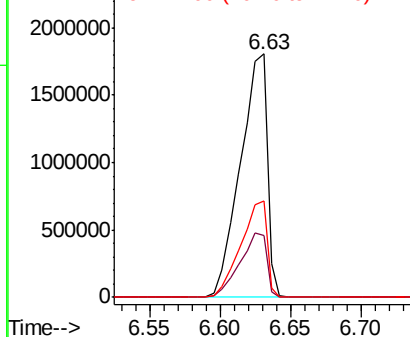
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Abundance Ion 99.00 (98.70 to 99.70): BF1
2500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 1.178 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

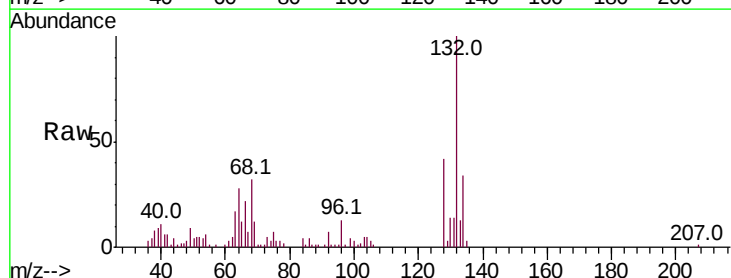
Tgt Ion:128 Resp: 18866

Ion Ratio Lower Upper

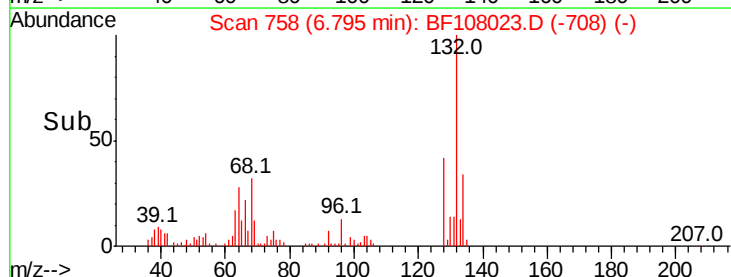
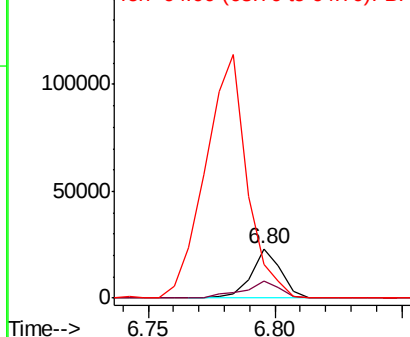
128 100

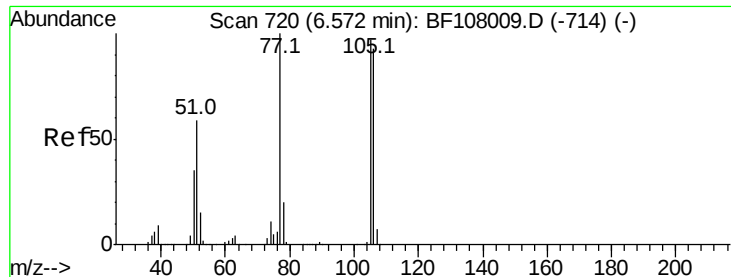
130 34.3 13.0 53.0

64 66.7 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
150000
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 1.008 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108023.D

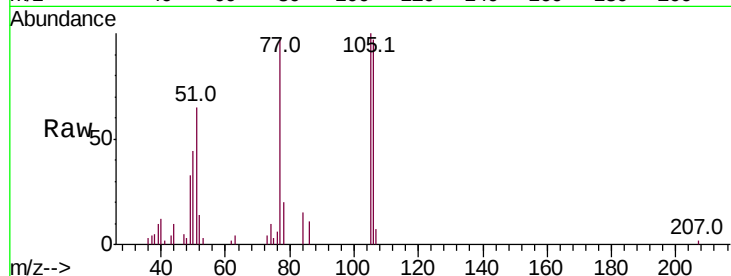
Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

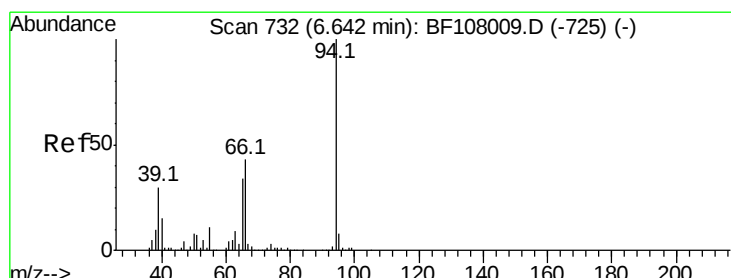
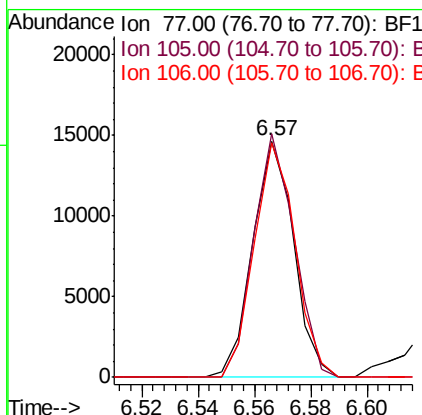
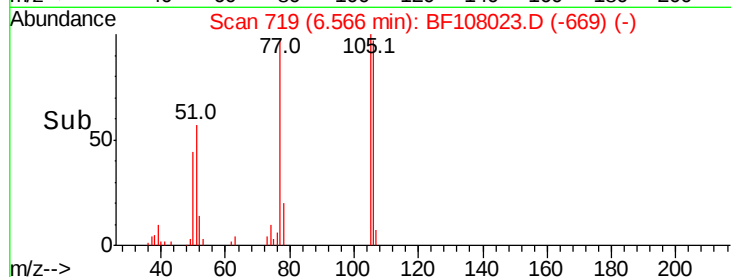
MDL-SOIL-03-QT3-2018



Tot Ion:	77	Resp:	14774
Ion	Ratio	Lower	Upper
77	100		
105	103.0	81.1	121.1
106	99.5	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 1.223 ng

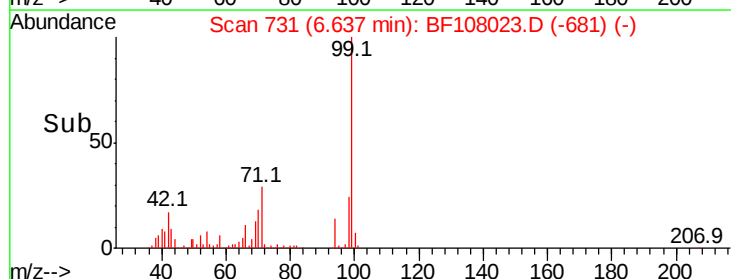
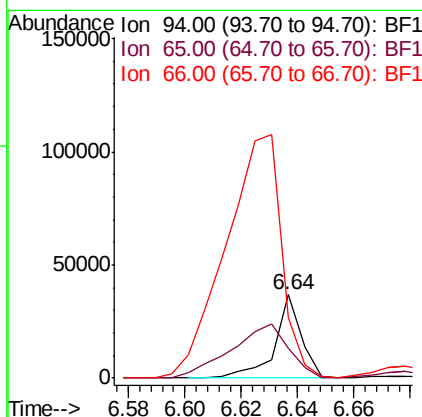
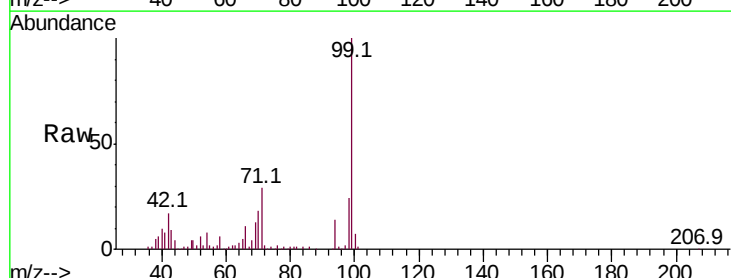
RT: 6.64 min Scan# 731

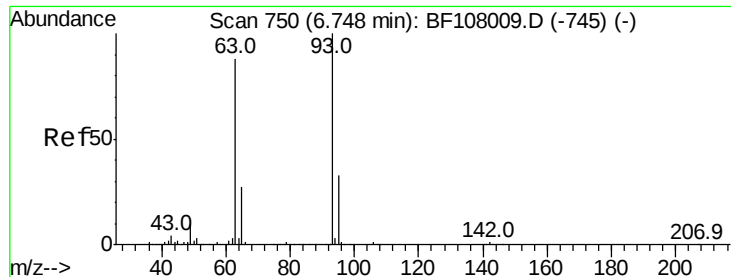
Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	94	Resp:	23913
Ion	Ratio	Lower	Upper
94	100		
65	36.3	7.9	47.9
66	73.4	16.2	56.2#





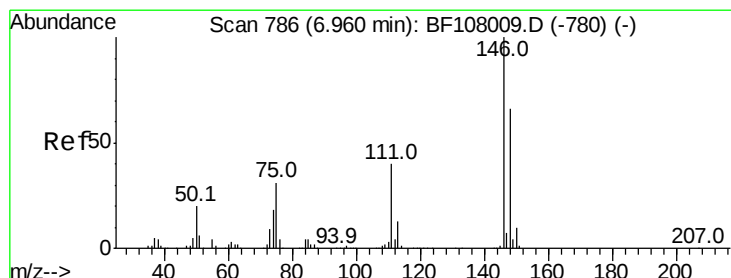
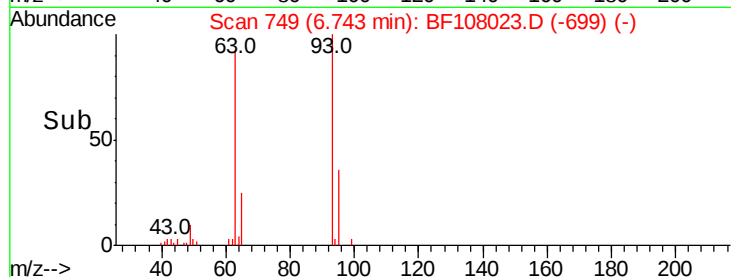
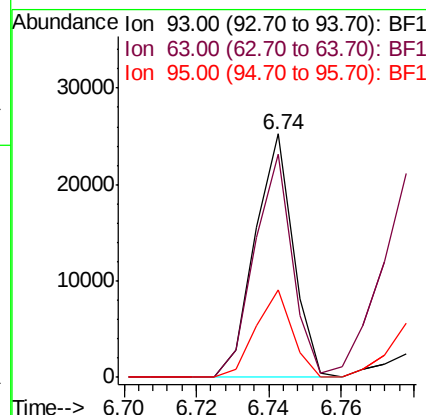
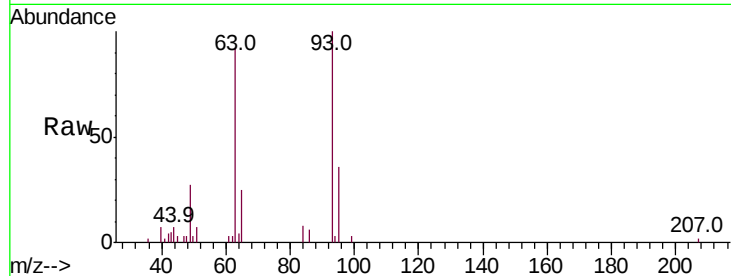
#11
bis(2-Chloroethyl)ether
Concen: 1.163 ng
RT: 6.74 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	93	Resp:	18385
Ion Ratio	100	Lower	Upper
93	100		
63	91.8	58.6	98.6
95	35.7	11.8	51.8

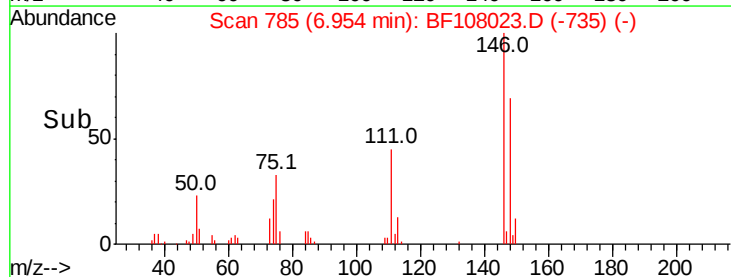
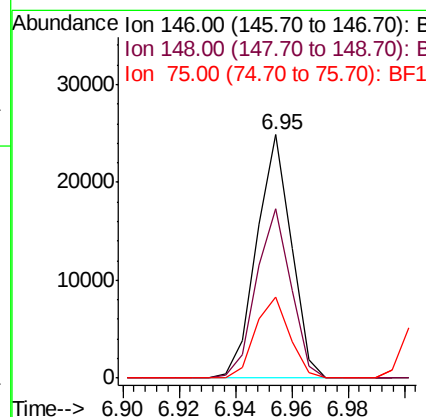
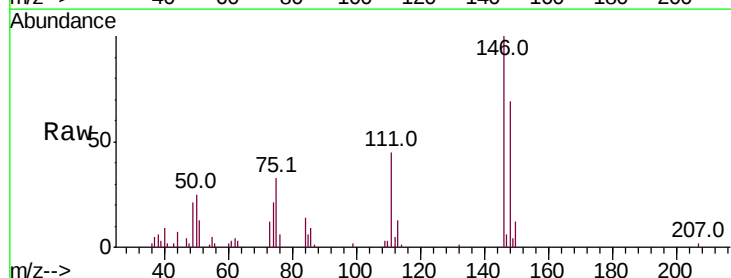
Manual Integrations
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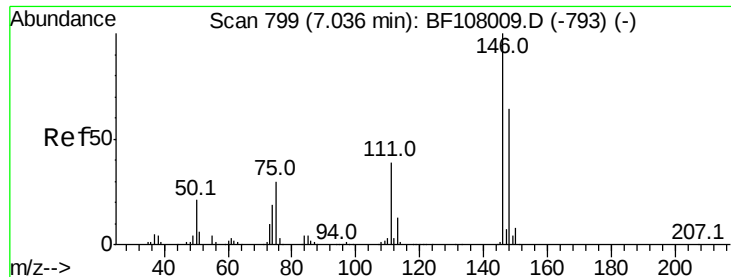
Sohil
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#12
1,3-Dichlorobenzene
Concen: 1.146 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	146	Resp:	21236
Ion Ratio	100	Lower	Upper
146	100		
148	69.4	51.8	77.8
75	33.3	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 1.194 ng

RT: 7.03 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

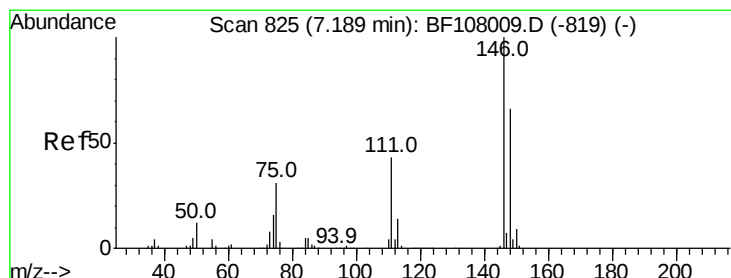
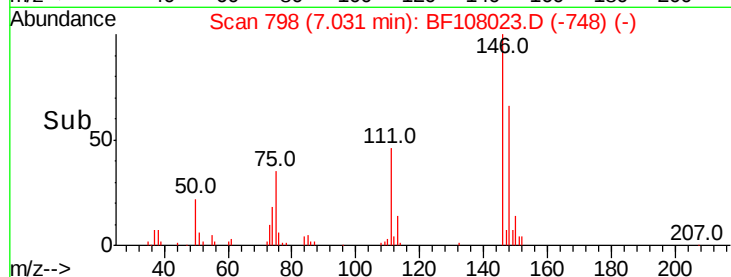
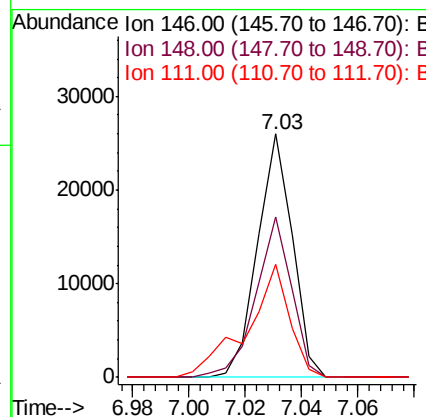
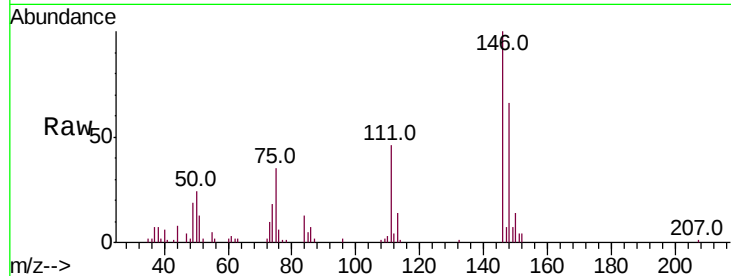
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	146	Resp:	22212
Ion Ratio	Lower	Upper	
146	100		
148	66.0	50.8	76.2
111	46.3	34.2	51.2

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#14

1,2-Dichlorobenzene

Concen: 1.173 ng

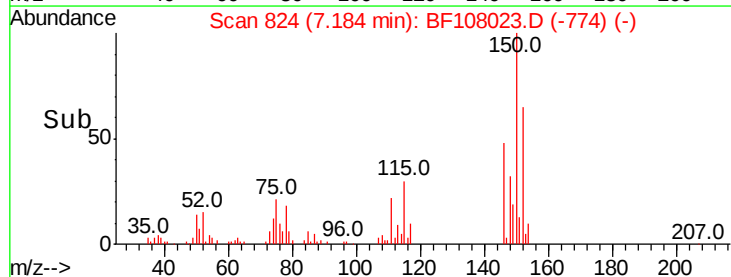
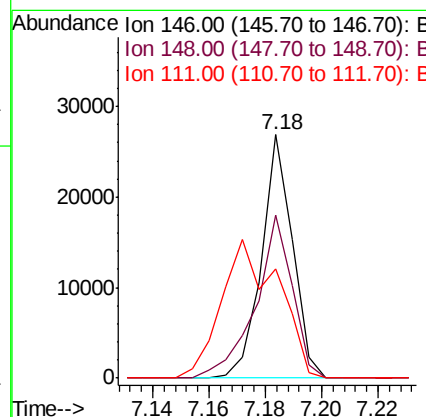
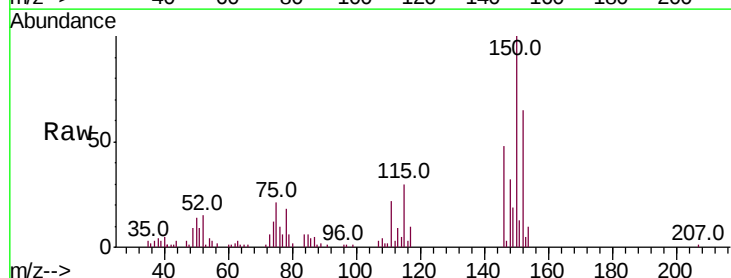
RT: 7.18 min Scan# 824

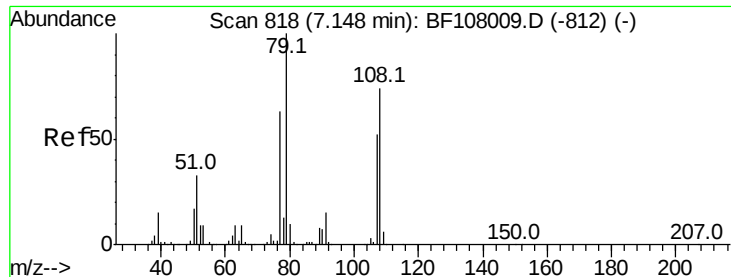
Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	146	Resp:	20309
Ion Ratio	Lower	Upper	
146	100		
148	67.1	50.6	75.8
111	44.8	36.0	54.0





#15

Benzyl Alcohol

Concen: 2.274 ng

RT: 7.17 min Scan# 822

Delta R.T. 0.02 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

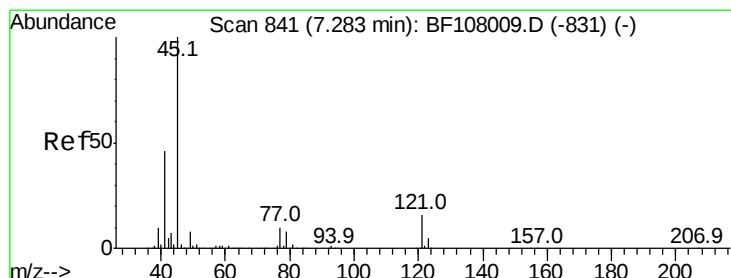
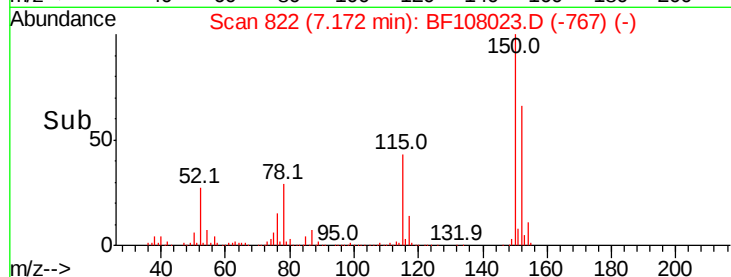
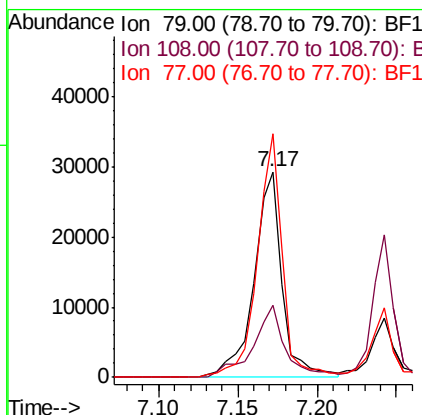
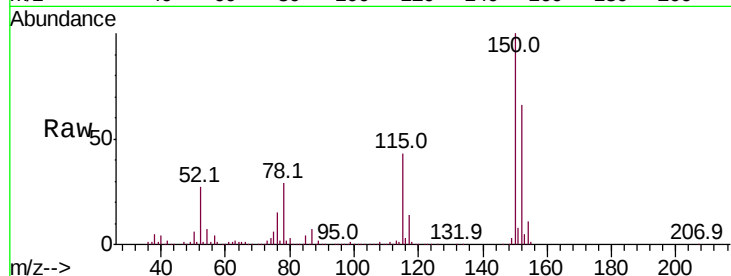
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	79	Resp:	36177
Ion Ratio	Lower	Upper	
79	100		
108	35.1	65.1	97.7#
77	118.6	50.6	75.8#

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#16

2,2'-oxybis(1-chloropropane)

Concen: 1.197 ng

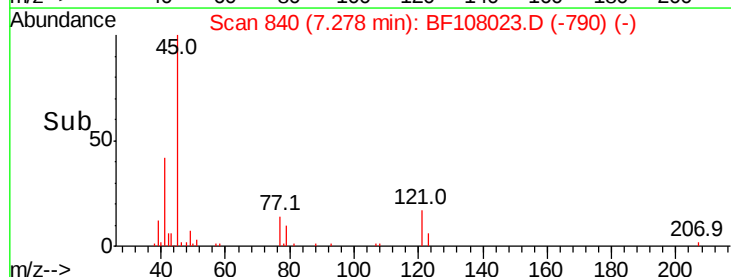
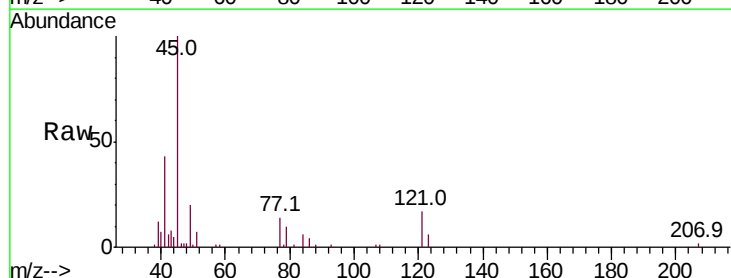
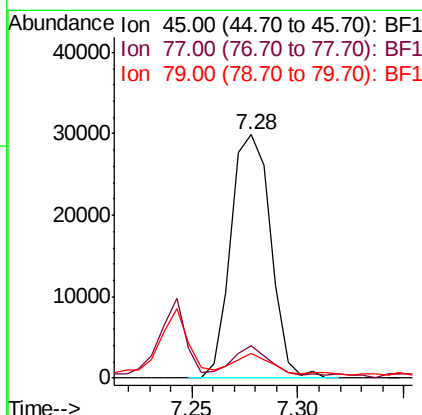
RT: 7.28 min Scan# 840

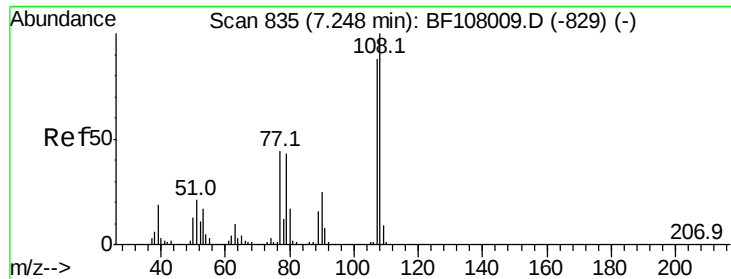
Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	45	Resp:	38979
Ion Ratio	Lower	Upper	
45	100		
77	13.5	0.0	32.9
79	10.2	0.0	29.6





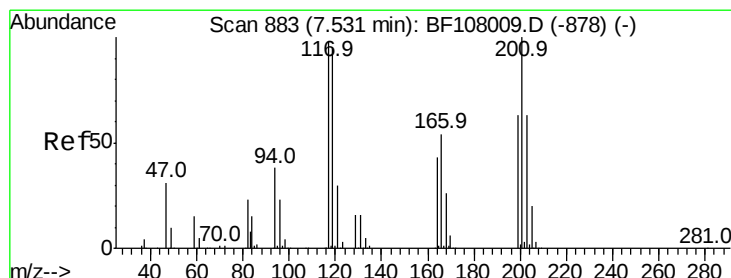
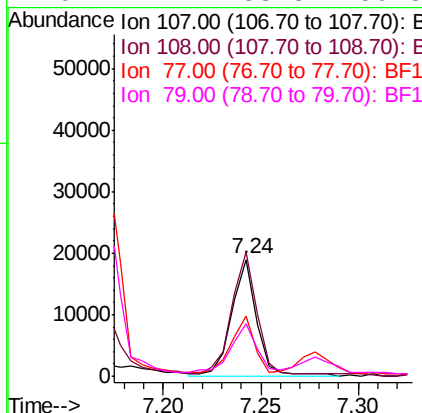
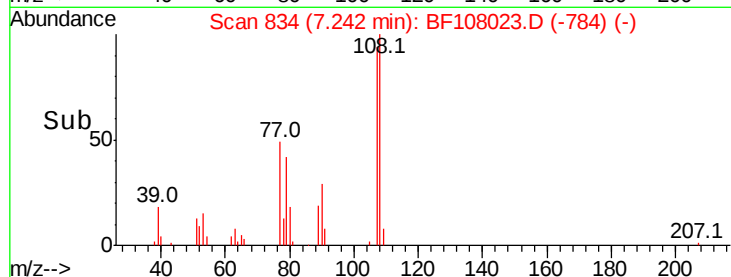
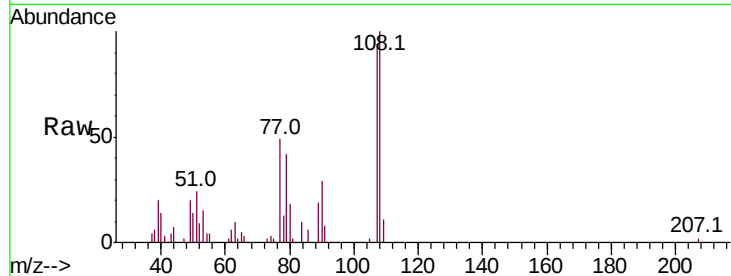
#17
2-Methylphenol
Concen: 1.259 ng
RT: 7.24 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	106.7	91.7	137.5	
77	51.9	33.8	50.8	
79	44.7	33.8	50.8	

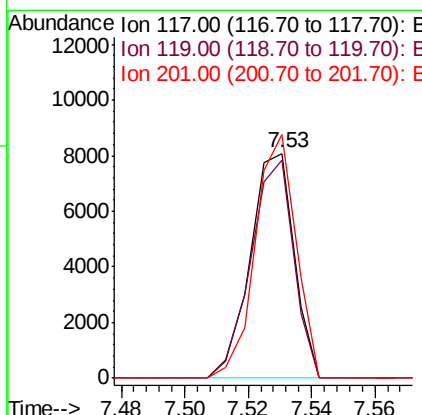
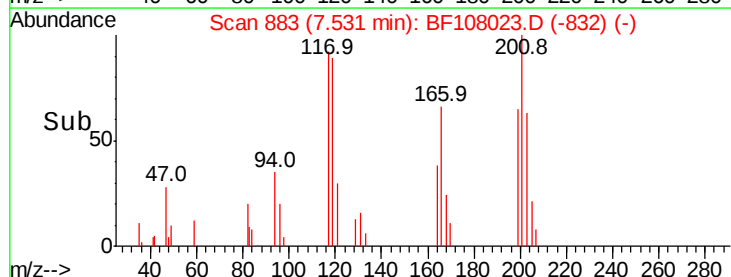
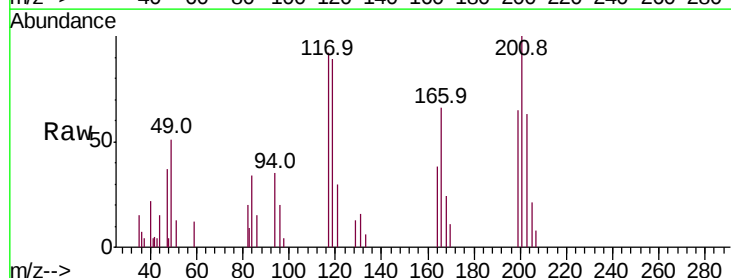
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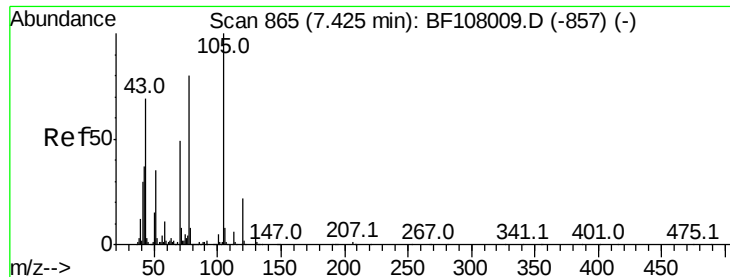
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#18
Hexachloroethane
Concen: 1.172 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.8	75.8	113.8	
201	108.4	75.7	113.5	





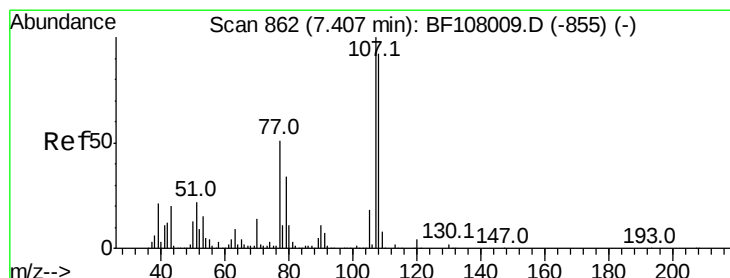
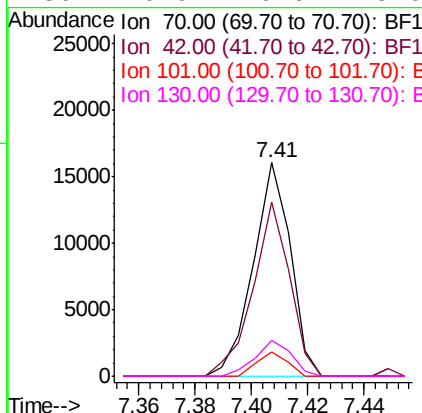
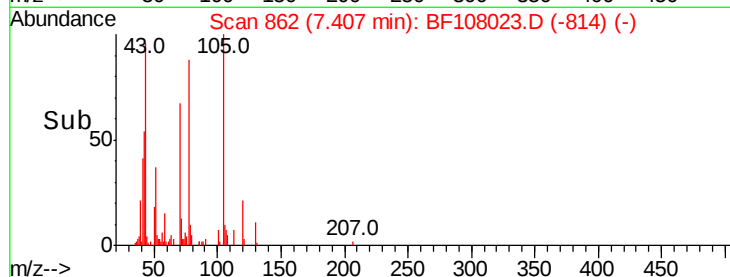
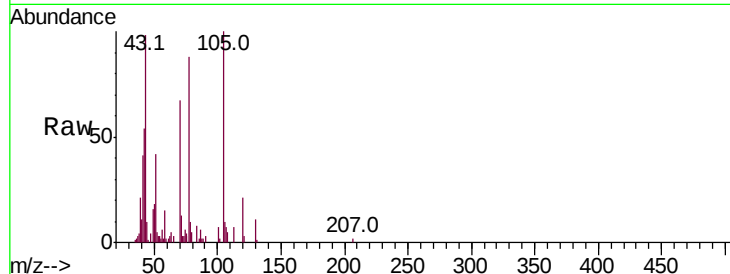
#19
n-Nitroso-di-n-propylamine
Concen: 1.152 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	81.5	47.5	71.3#	
101	11.2	7.4	11.2	
130	16.9	16.6	25.0	

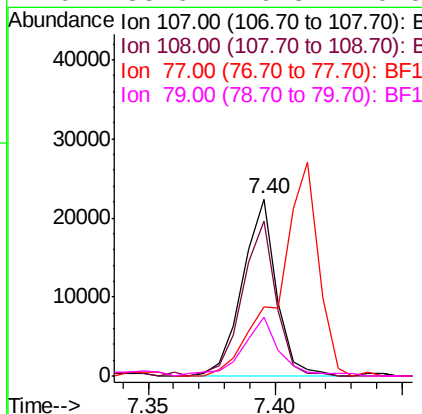
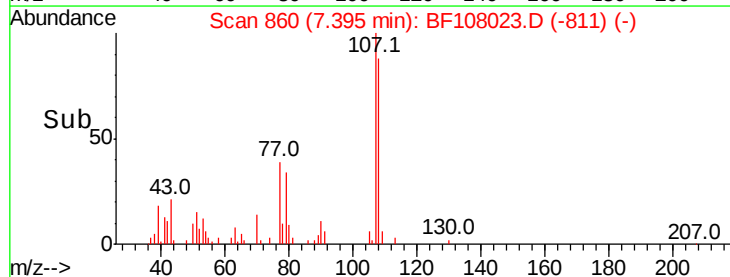
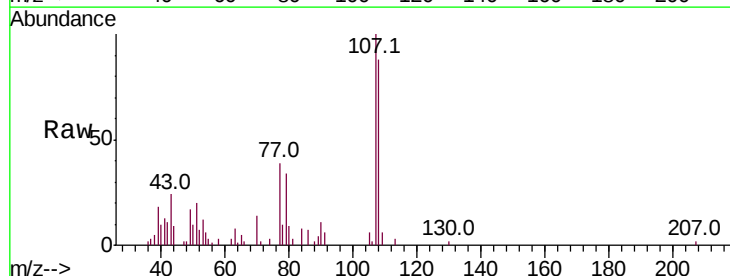
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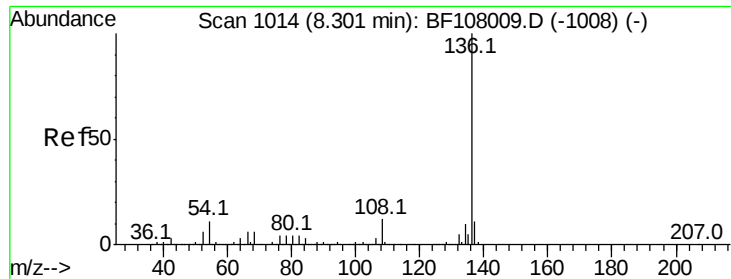
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#20
3+4-Methylphenols
Concen: 1.181 ng
RT: 7.40 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.8	68.2	108.2	
77	39.3	26.7	66.7	
79	33.6	6.3	46.3	





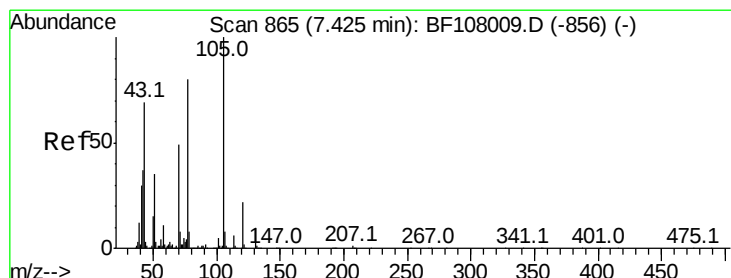
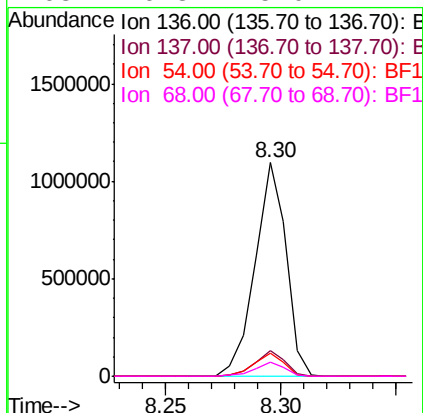
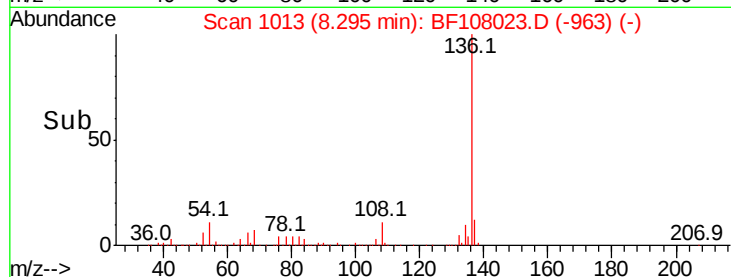
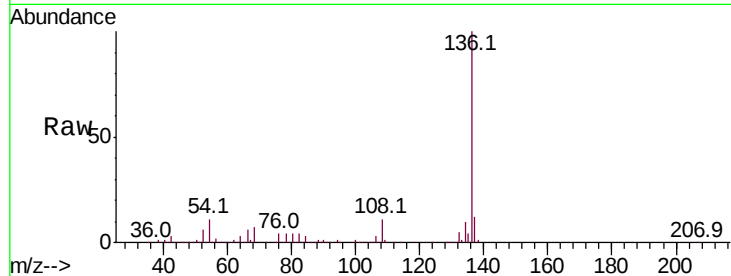
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	11.0	6.6	9.8#
68	6.8	5.0	7.4

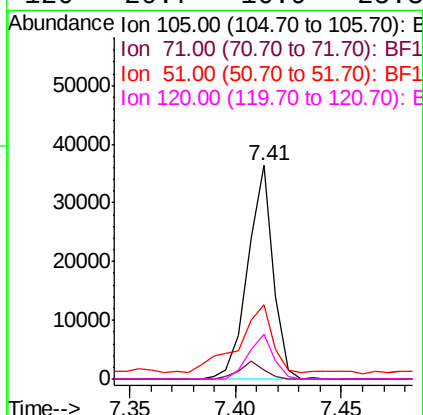
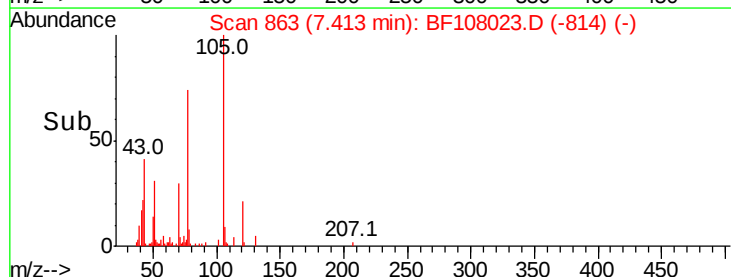
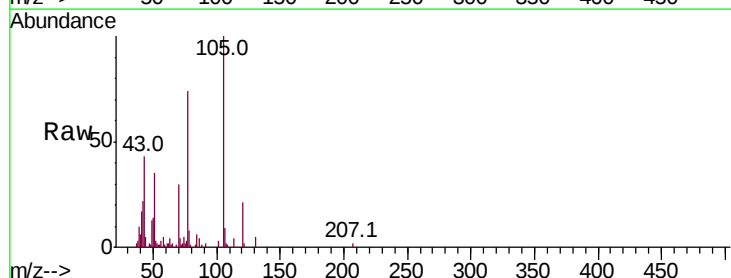
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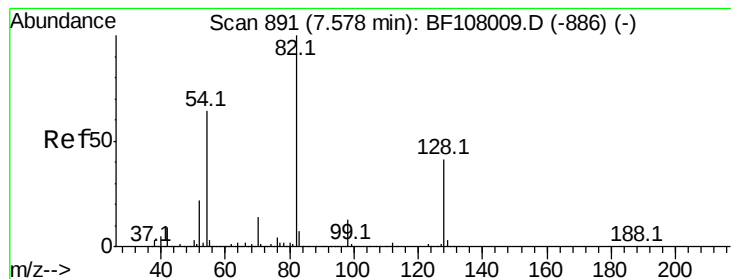
Sohil
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#22
Acetophenone
Concen: 1.256 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.0	4.4	6.6#
51	34.5	22.3	33.5#
120	20.7	16.9	25.3





#23

Nitrobenzene-d5

Concen: 82.771 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 82 Resp: 1523509

Ion Ratio Lower Upper

82 100

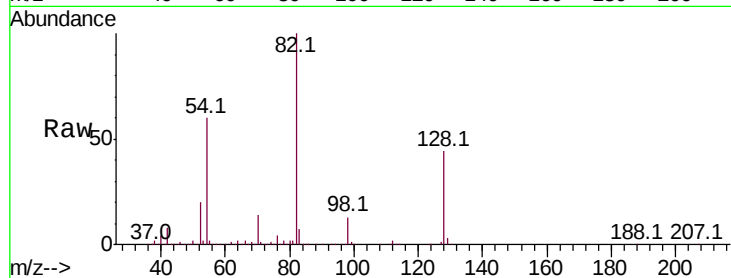
128 43.9 36.1 54.1

54 60.0 41.4 62.2

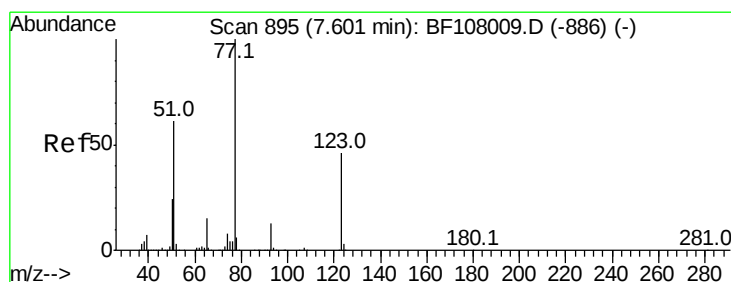
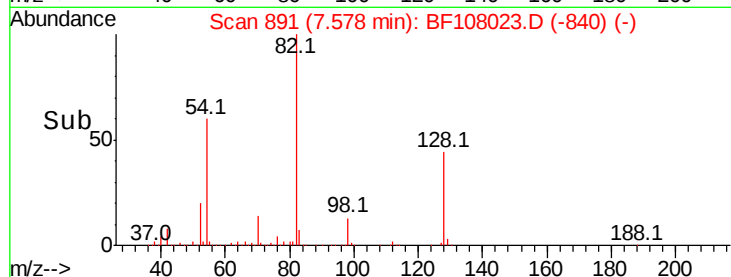
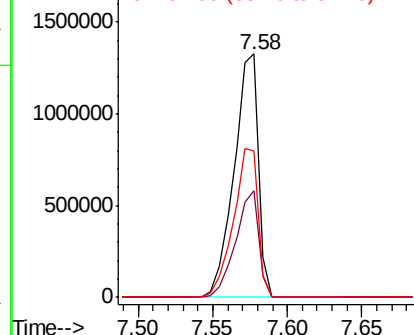
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 1.406 ng

RT: 7.59 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

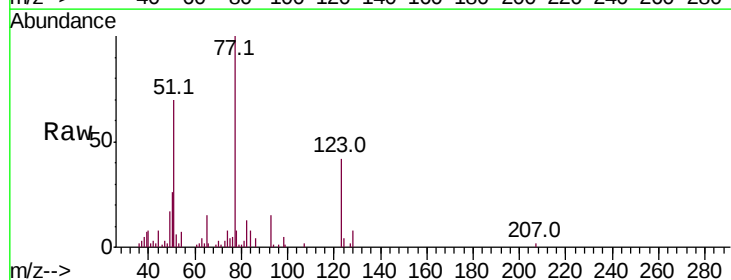
Tgt Ion: 77 Resp: 26172

Ion Ratio Lower Upper

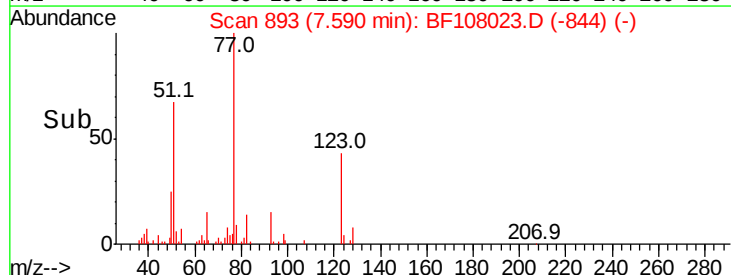
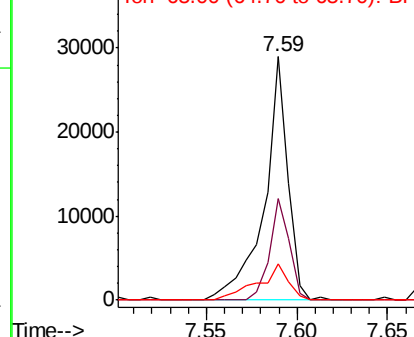
77 100

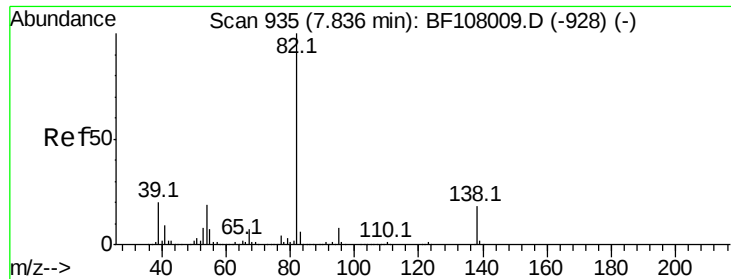
123 41.9 37.9 56.9

65 14.8 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

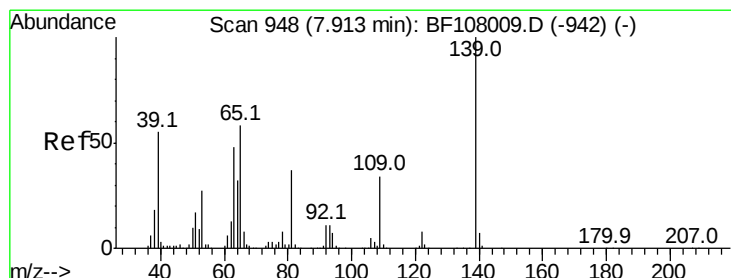
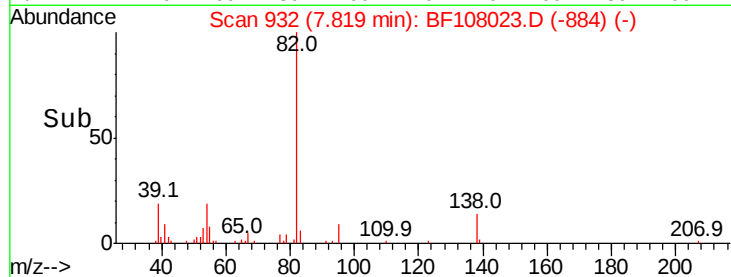
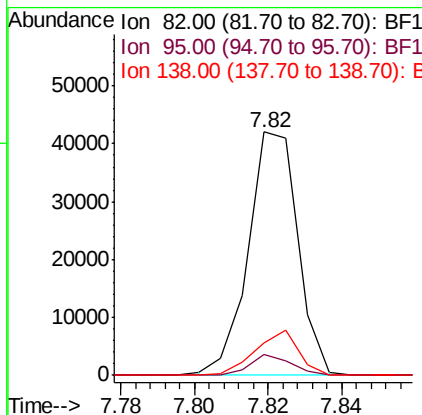
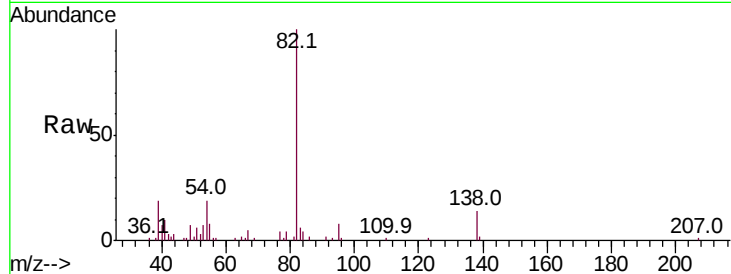
Concen: 1.112 ng/ml
 RT: 7.82 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
82	100		
95	8.4	5.2	7.8#
138	13.6	14.9	22.3#

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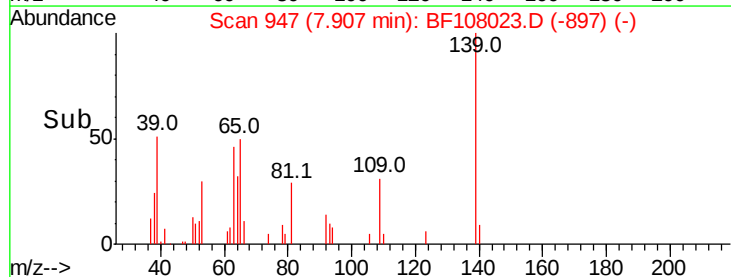
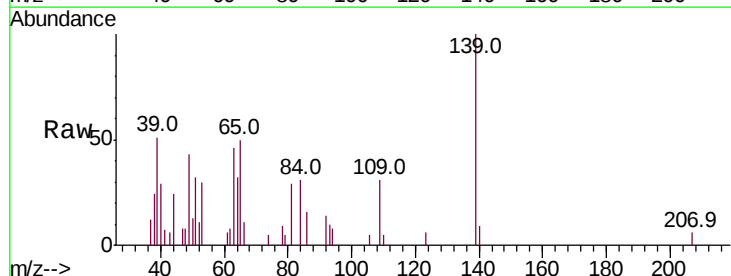
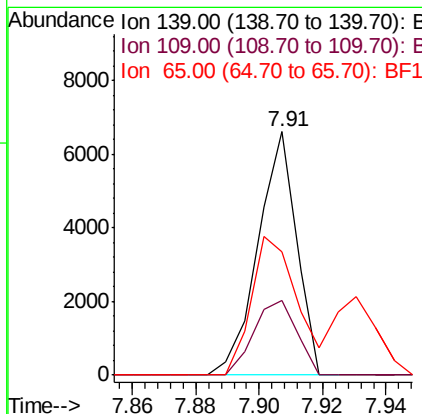


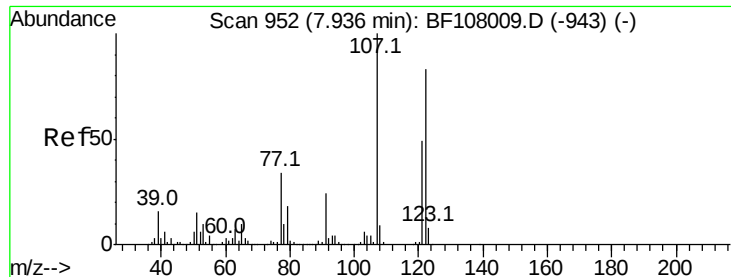
#26

2-Nitrophenol

Concen: 0.794 ng/ml
 RT: 7.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	30.8	22.7	34.1
65	50.4	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 1.138 ng

RT: 7.93 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

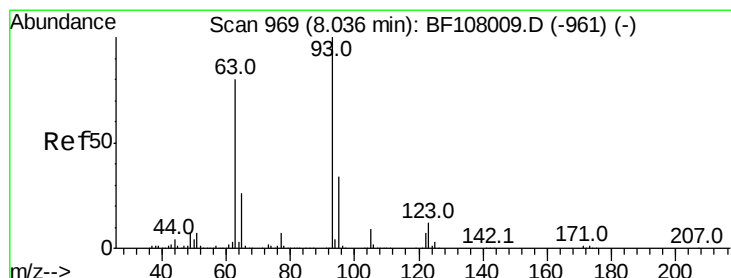
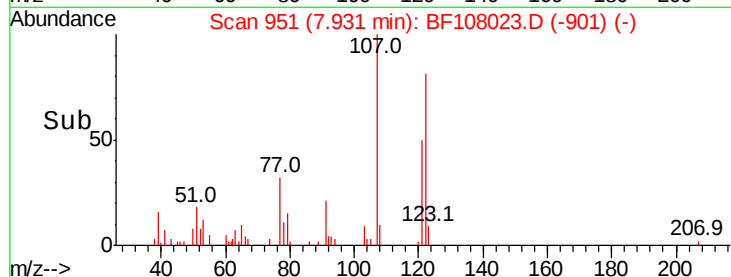
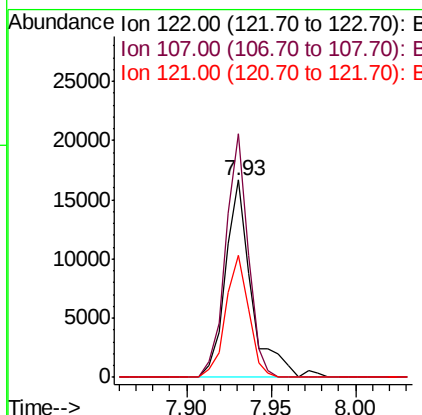
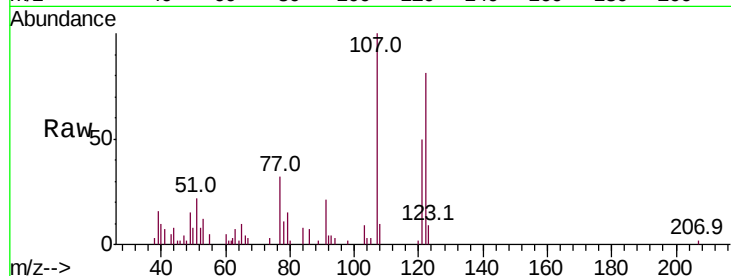
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	122	Resp:	17718
Ion Ratio	Lower	Upper	
122	100		
107	123.6	91.2	136.8
121	61.8	47.2	70.8

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#28

bis(2-Chloroethoxy)methane

Concen: 1.159 ng

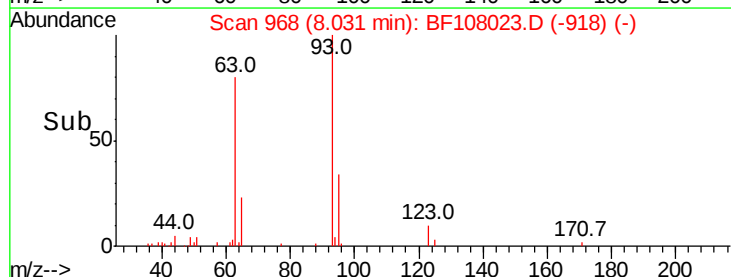
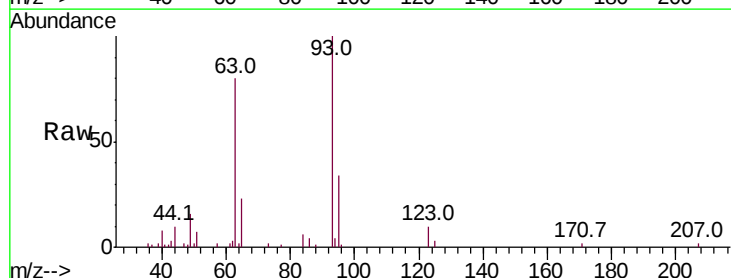
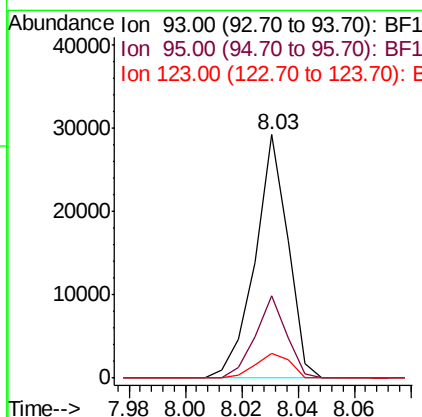
RT: 8.03 min Scan# 968

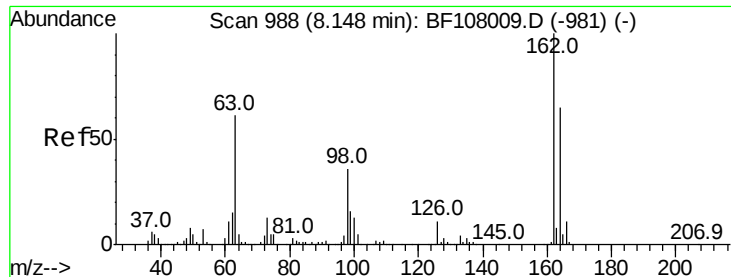
Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	93	Resp:	23737
Ion Ratio	Lower	Upper	
93	100		
95	33.8	26.3	39.5
123	10.1	9.8	14.6





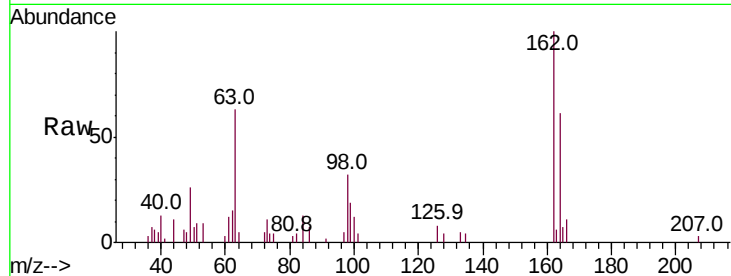
#29
2,4-Dichlorophenol
Concen: 0.947 ng
RT: 8.14 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

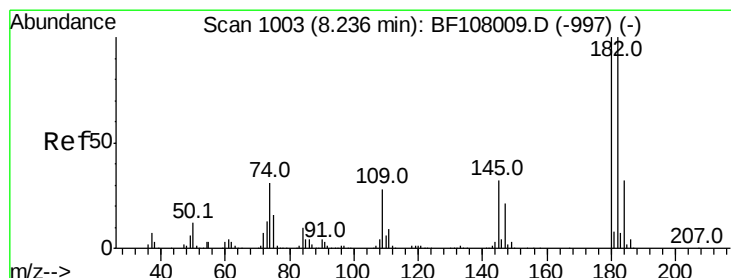
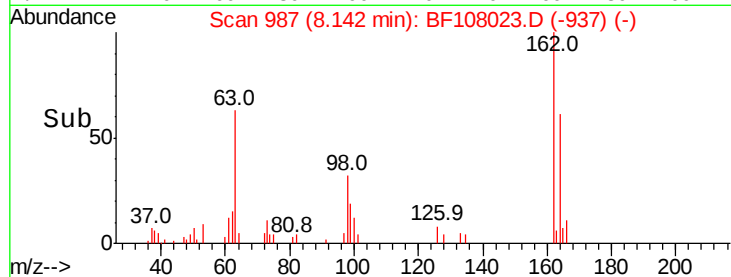
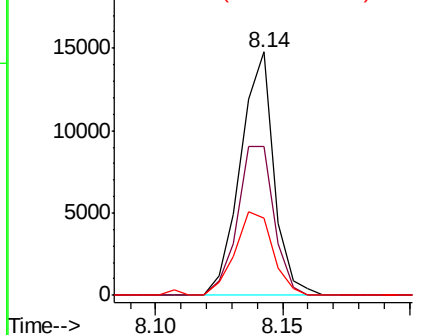
Tot Ion:	162	Resp:	13577
Ion Ratio	Lower	Upper	
162	100		
164	61.1	42.7	82.7
98	31.6	18.1	58.1

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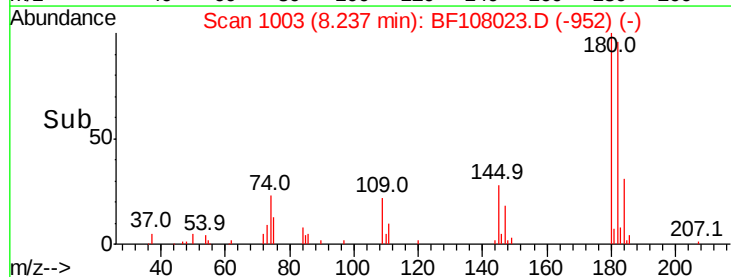
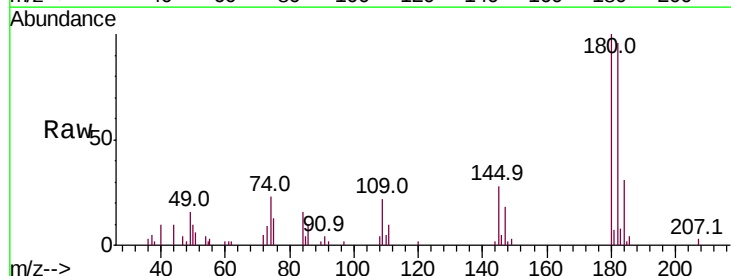
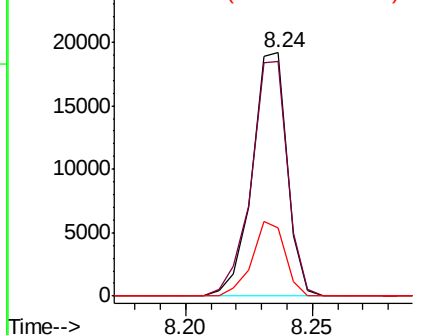
Abundance Ion 162.00 (161.70 to 162.70): E
20000
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

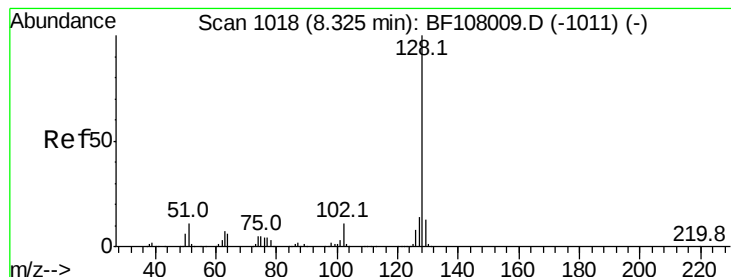


#30
1,2,4-Trichlorobenzene
Concen: 1.172 ng
RT: 8.24 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:	180	Resp:	18512
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.8	115.2
145	28.1	26.5	39.7

Abundance Ion 180.00 (179.70 to 180.70): E
25000
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 1.264 ng

RT: 8.32 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

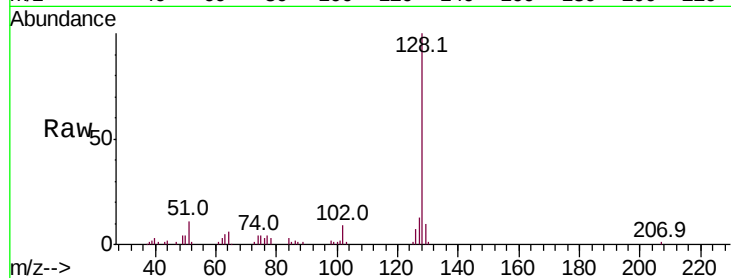
ClientSampleId :

MDL-SOIL-03-QT3-2018

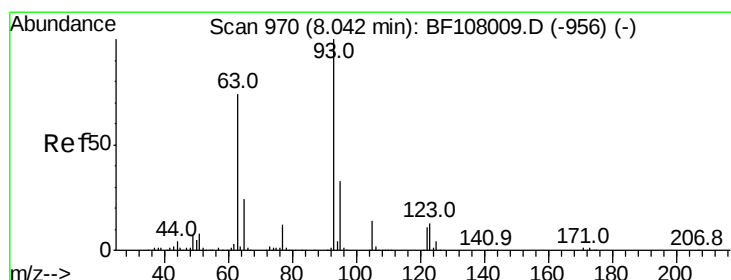
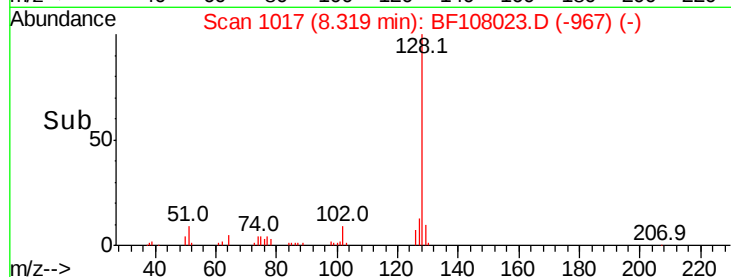
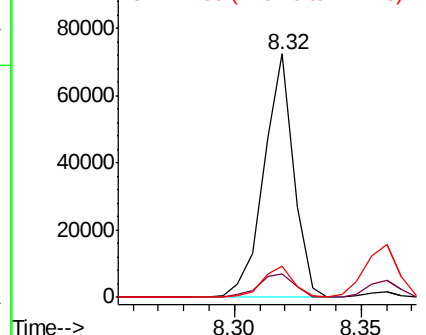
Tot Ion:	128	Resp:	59061
Ion Ratio	Lower	Upper	
128	100		
129	9.5	8.8	13.2
127	12.6	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.160 ng m

RT: 7.94 min Scan# 953

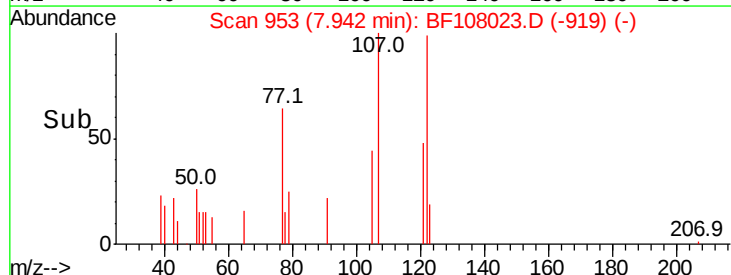
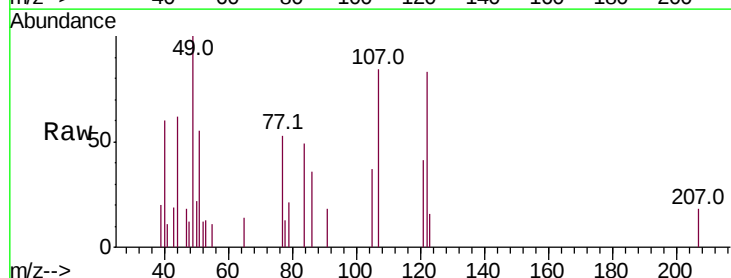
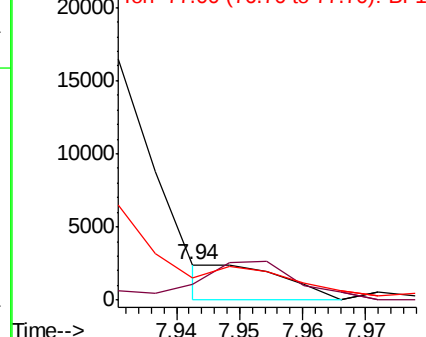
Delta R.T. -0.10 min

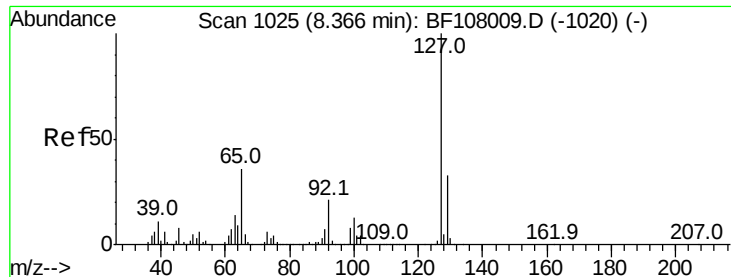
Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	122	Resp:	1910
Ion Ratio	Lower	Upper	
122	100		
105	44.8	101.1	141.1#
77	64.2	70.7	110.7#

Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





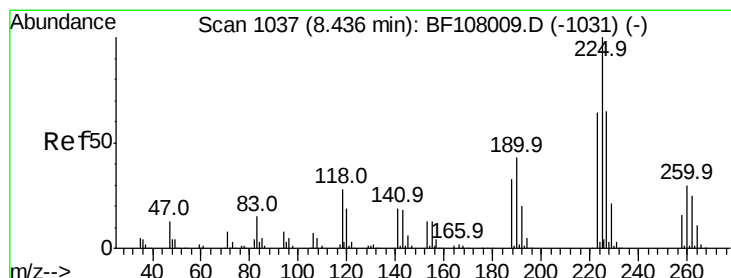
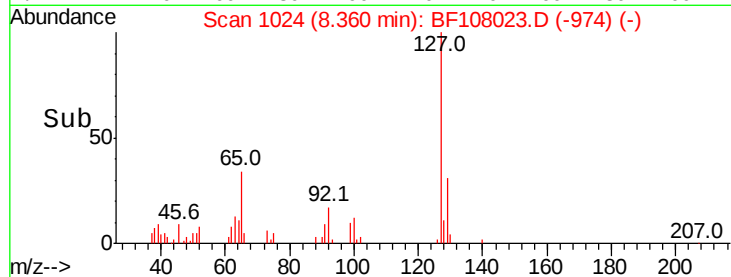
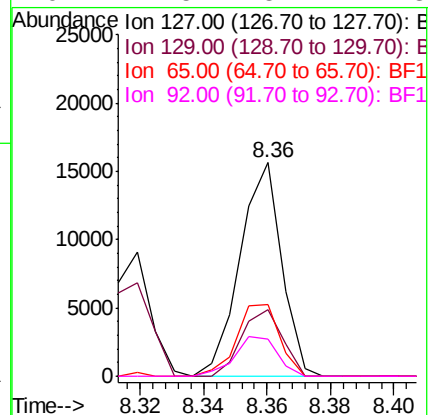
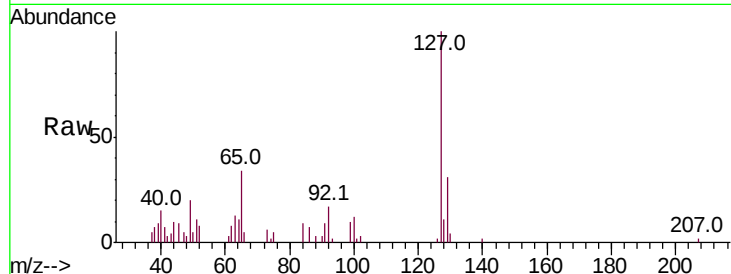
#33
4-Chloroaniline
Concen: 0.700 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.9	38.9
65	33.5	25.0	37.4
92	17.5	15.2	22.8

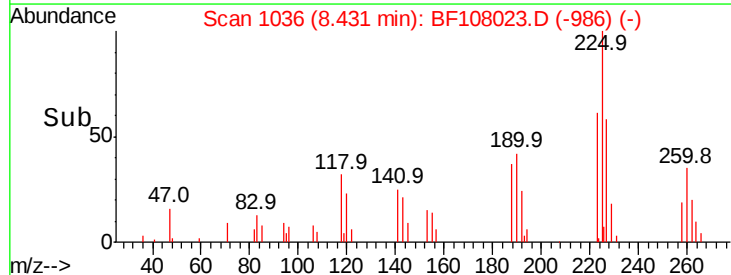
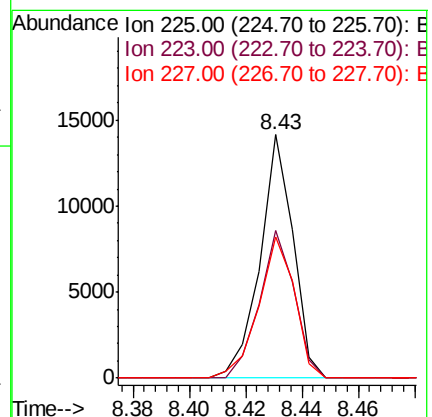
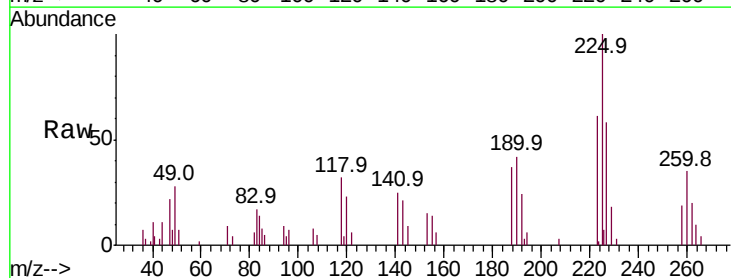
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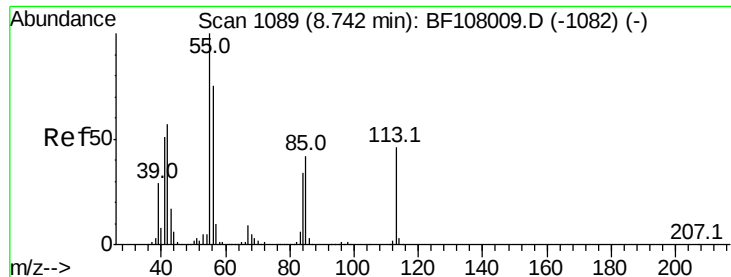
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#34
Hexachlorobutadiene
Concen: 1.150 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.6	76.0
227	57.9	51.9	77.9





#35

Caprolactam

Concen: 0.819 ng

RT: 8.67 min Scan# 1077

Delta R.T. -0.07 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

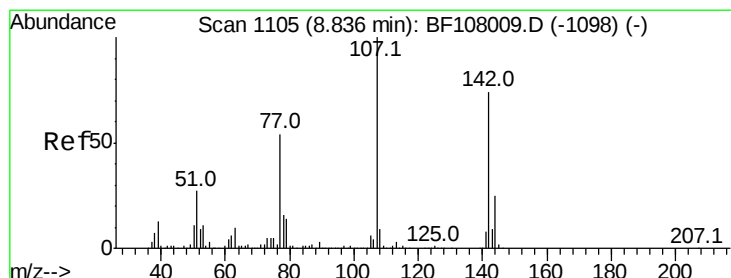
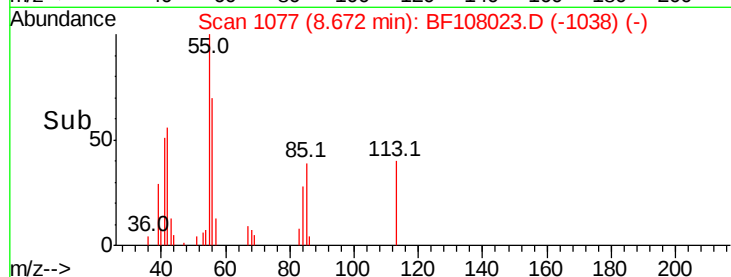
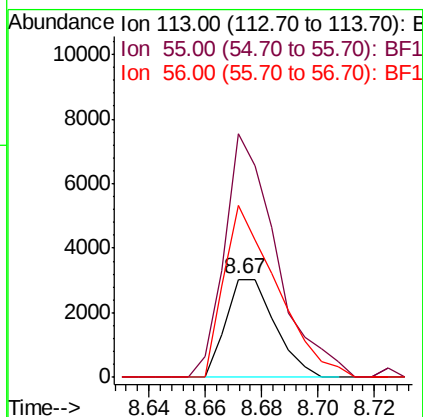
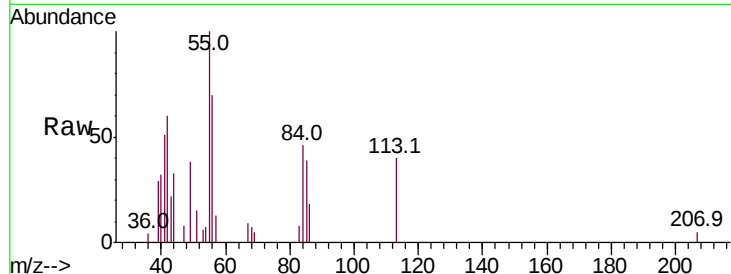
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
113	100		
55	248.4	163.3	203.3#
56	175.0	115.7	155.7#

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#36

4-Chloro-3-methylphenol

Concen: 0.959 ng

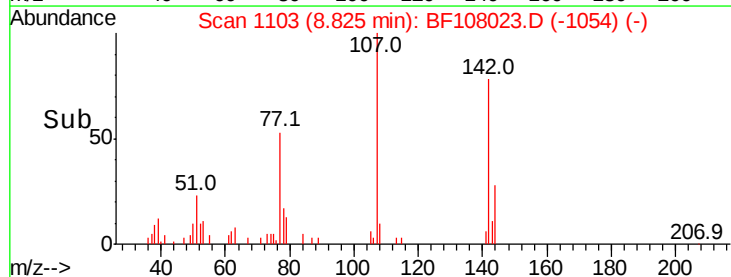
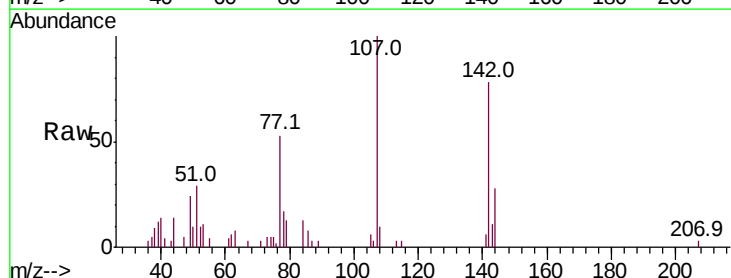
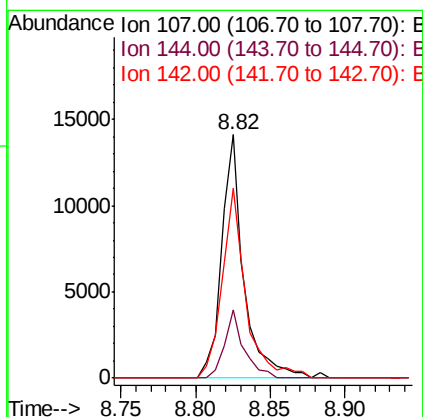
RT: 8.82 min Scan# 1103

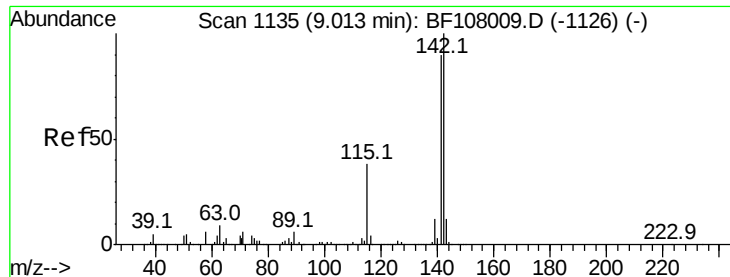
Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.9	20.5	30.7
142	78.1	62.0	93.0





#37

2-Methylnaphthalene

Concen: 1.267 ng

RT: 9.01 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

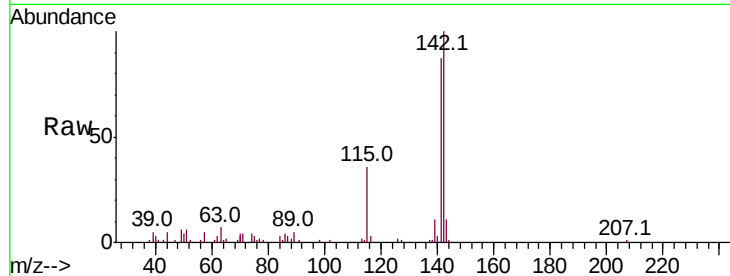
ClientSampleId :

MDL-SOIL-03-QT3-2018

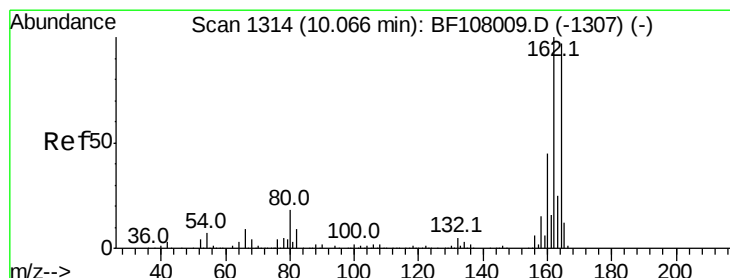
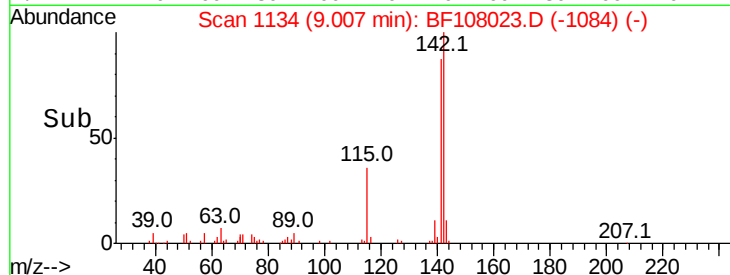
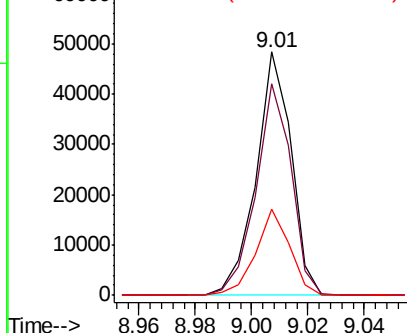
Tot Ion:	142	Resp:	41858
Ion Ratio	Lower	Upper	
142	100		
141	86.7	70.8	106.2
115	35.6	26.1	39.1

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

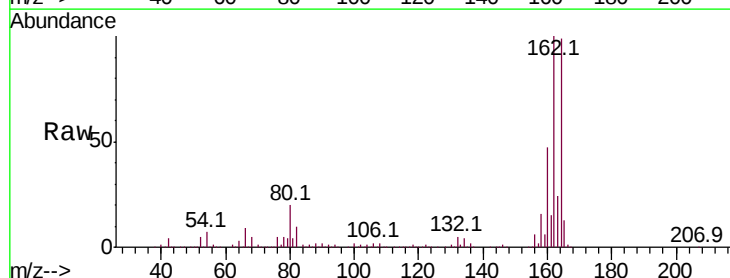
RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

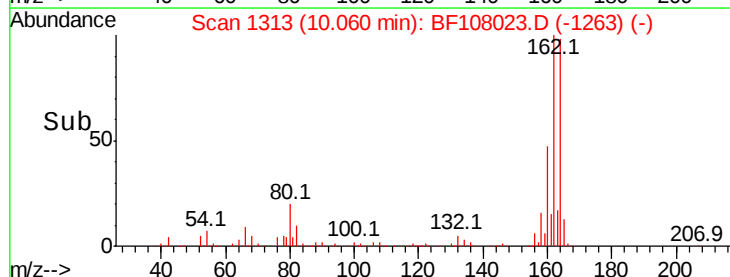
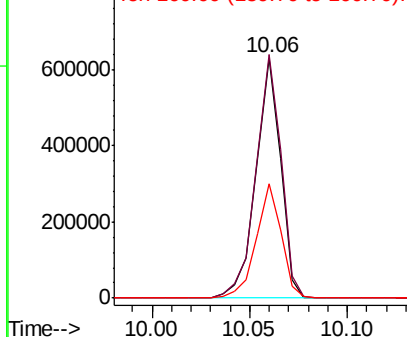
Lab File: BF108023.D

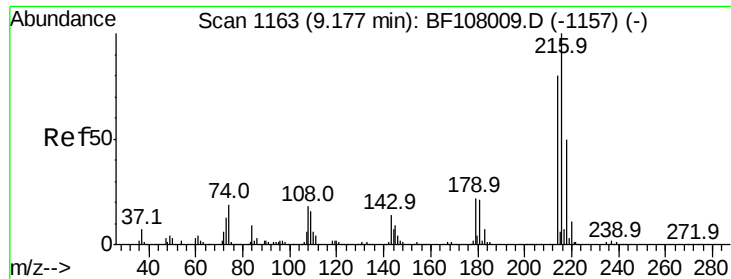
Acq: 8 Aug 2018 16:54

Tgt Ion:	164	Resp:	553180
Ion Ratio	Lower	Upper	
164	100		
162	101.3	86.1	129.1
160	47.6	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





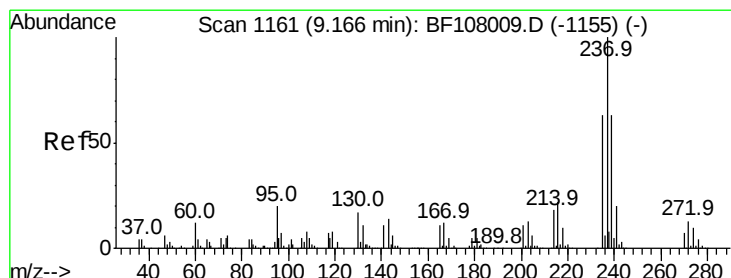
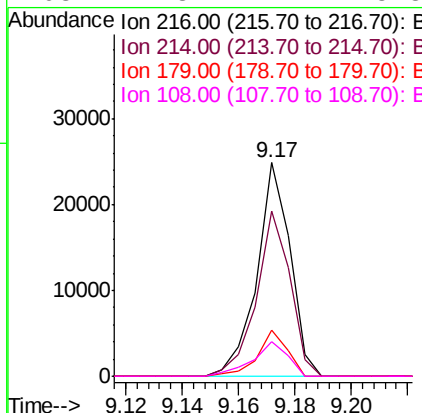
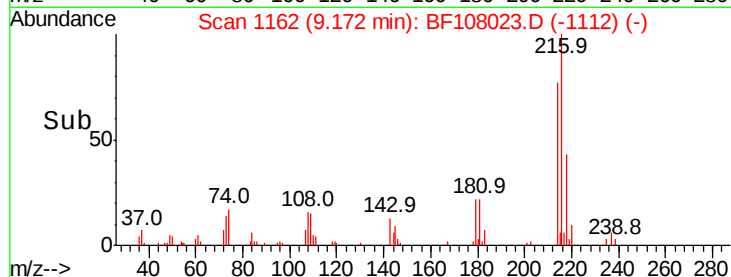
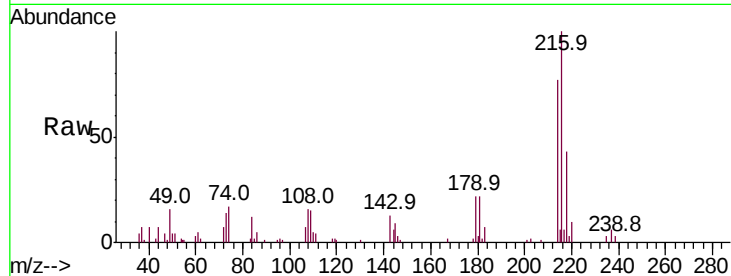
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.198 ng
 RT: 9.17 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	19.3	18.1	27.1
108	17.3	17.2	25.8

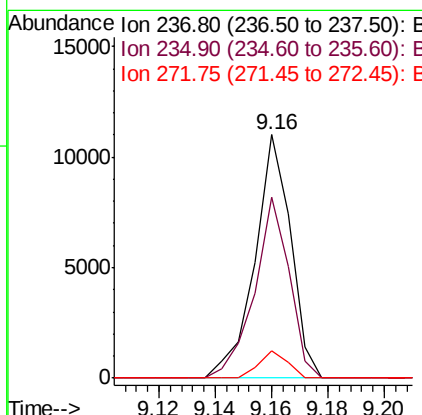
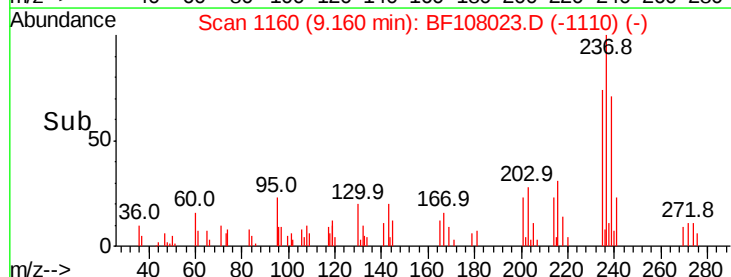
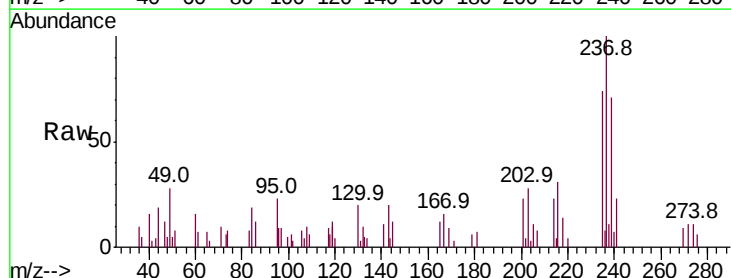
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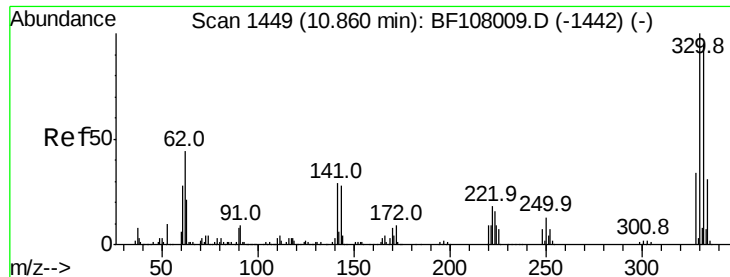
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#40
 Hexachlorocyclopentadiene
 Concen: 0.886 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
237	100		
235	74.2	44.8	84.8
272	11.4	0.0	33.3





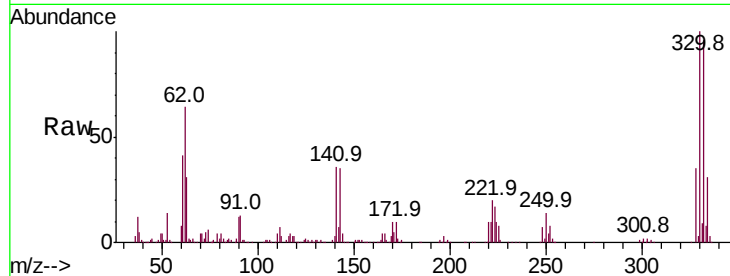
#41
 2,4,6-Tribromophenol
 Concen: 139.135 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

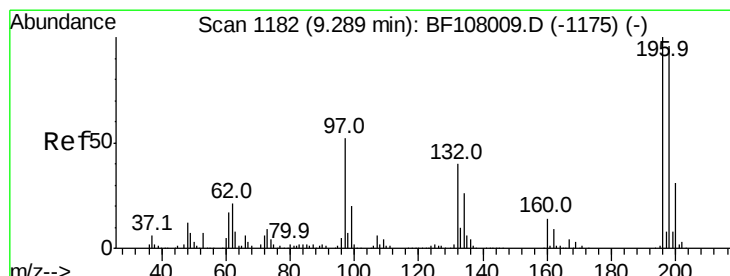
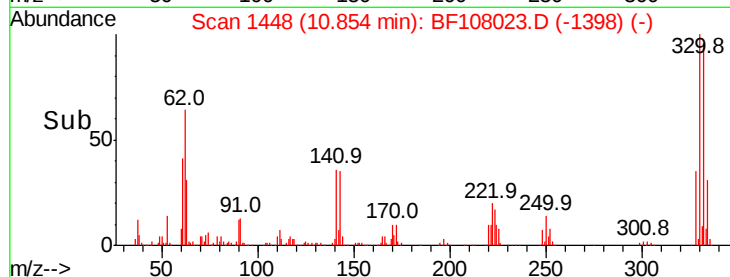
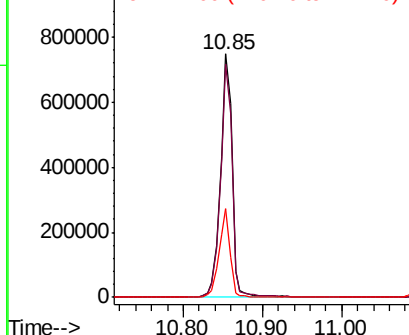
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.0	115.6	
141	34.4	29.9	44.9	

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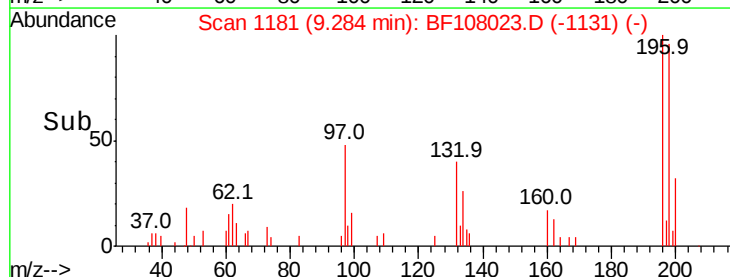
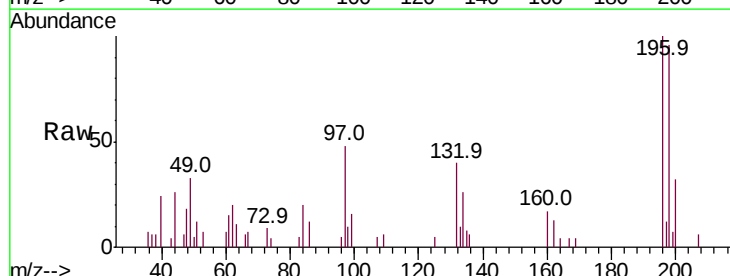
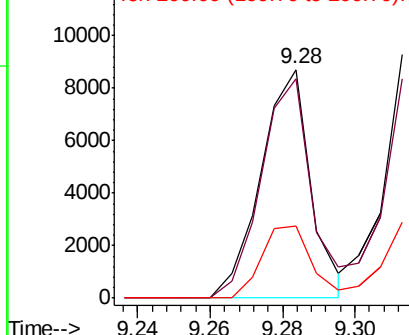
Abundance Ion 329.80 (329.50 to 330.50): E
 1000000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

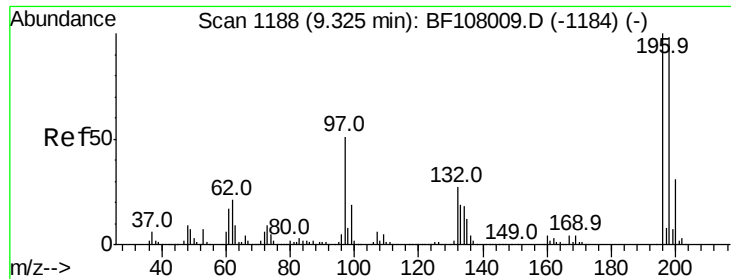


#42
 2,4,6-Trichlorophenol
 Concen: 0.791 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	95.6	75.7	113.5	
200	31.7	24.5	36.7	

Abundance Ion 196.00 (195.70 to 196.70): E
 12000 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





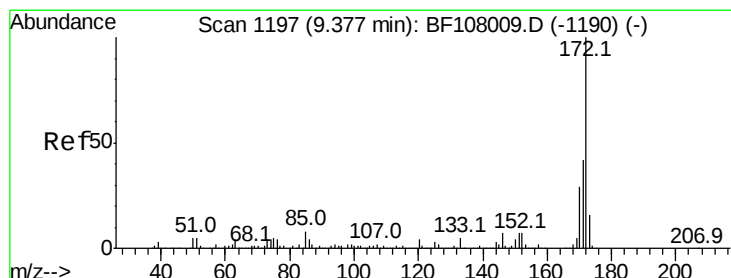
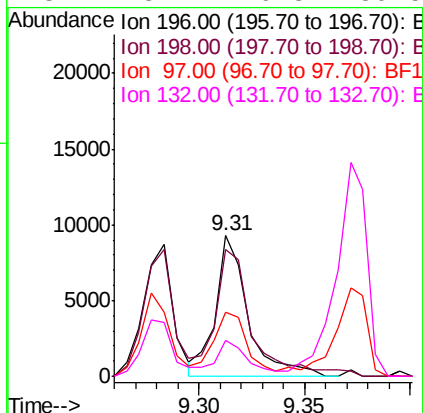
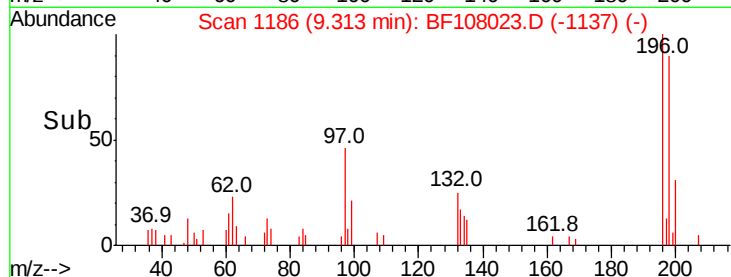
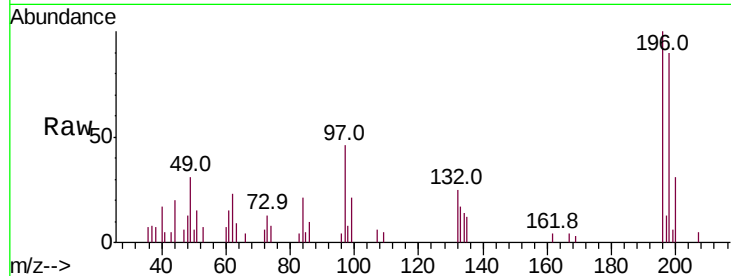
#43
 2,4,5-Trichlorophenol
 Concen: 0.858 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion:	196	Resp:	9962
Ion Ratio	Lower	Upper	
196	100		
198	89.9	74.6	112.0
97	45.7	42.9	64.3
132	25.2	26.3	39.5#

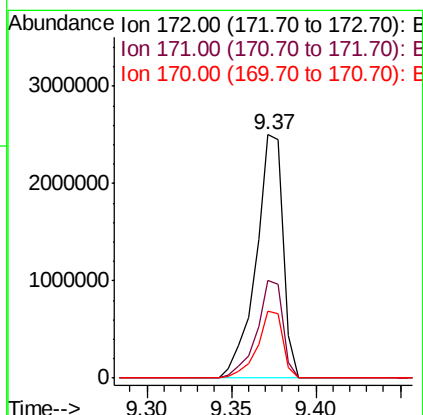
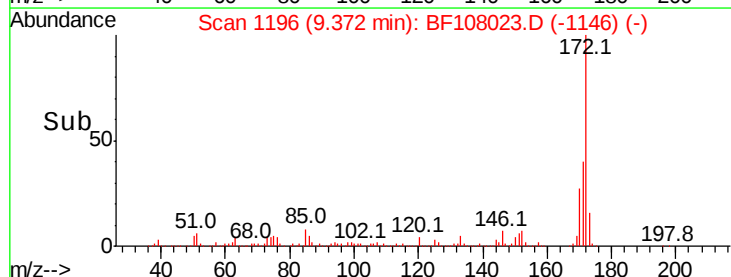
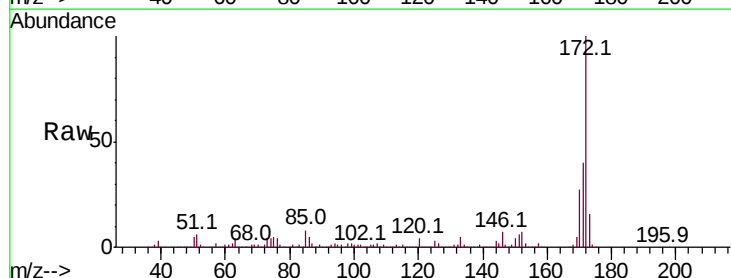
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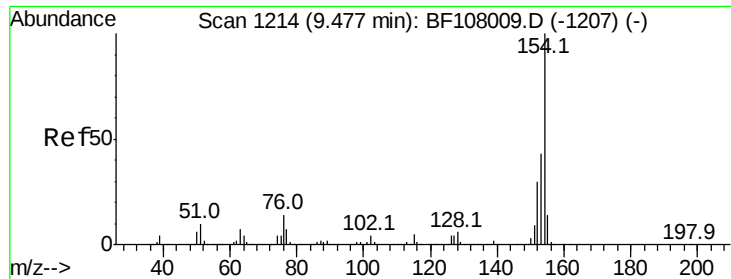
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 80.875 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:	172	Resp:	2786624
Ion Ratio	Lower	Upper	
172	100		
171	40.3	29.7	44.5
170	27.3	19.6	29.4





#45

1,1'-Biphenyl

Concen: 1.345 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

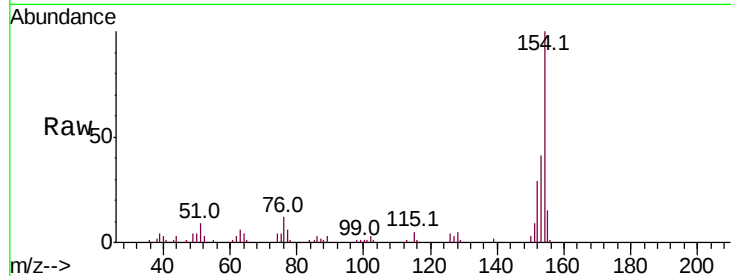
ClientSampleId :

MDL-SOIL-03-QT3-2018

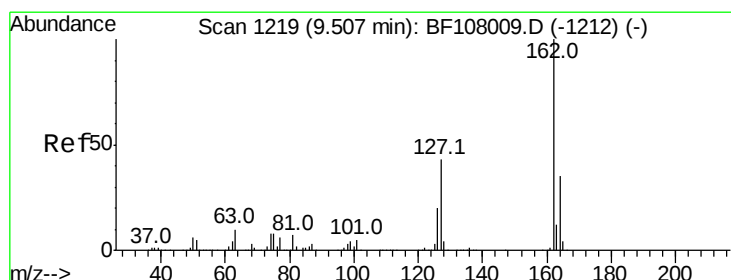
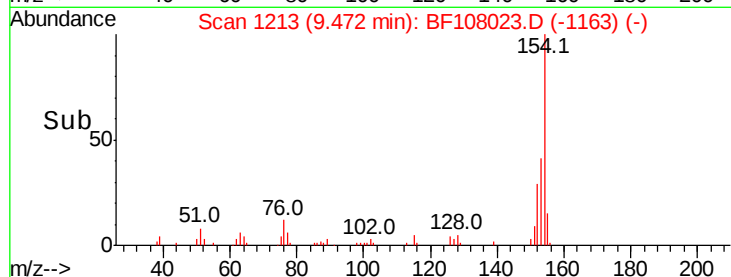
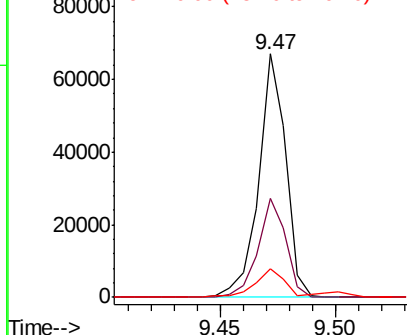
Tot Ion:	154	Resp:	54842
Ion Ratio	Lower	Upper	
154	100		
153	40.6	21.3	61.3
76	11.7	0.0	34.0

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



#46

2-Chloronaphthalene

Concen: 1.233 ng

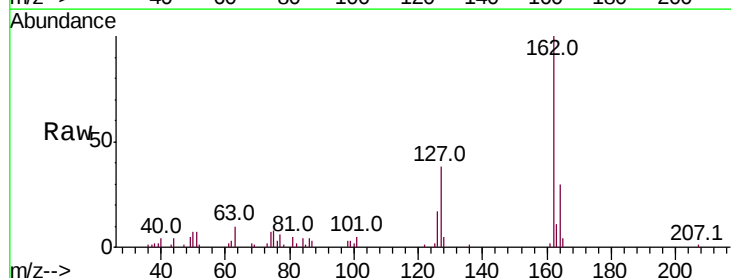
RT: 9.50 min Scan# 1218

Delta R.T. -0.01 min

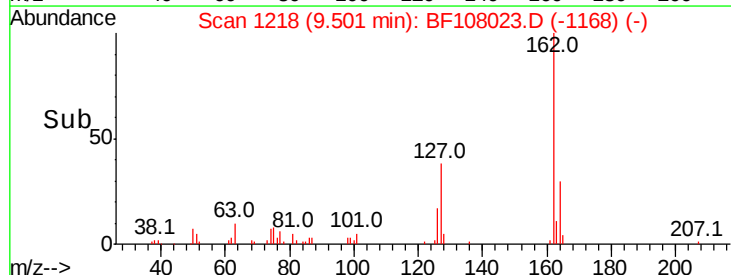
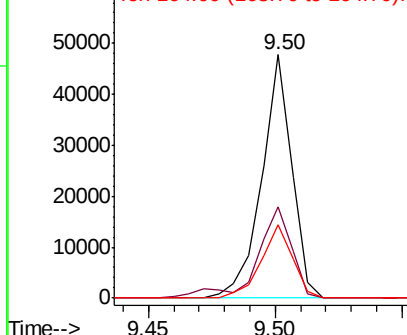
Lab File: BF108023.D

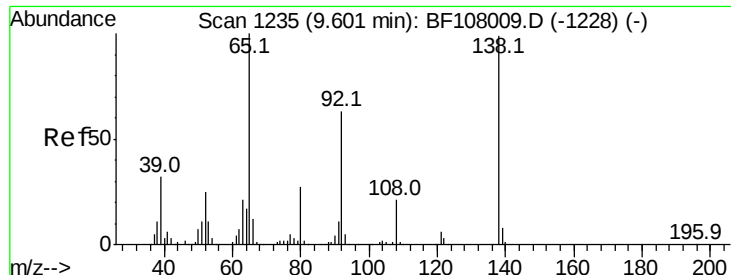
Acq: 8 Aug 2018 16:54

Tgt Ion:	162	Resp:	39740
Ion Ratio	Lower	Upper	
162	100		
127	37.6	33.9	50.9
164	30.1	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





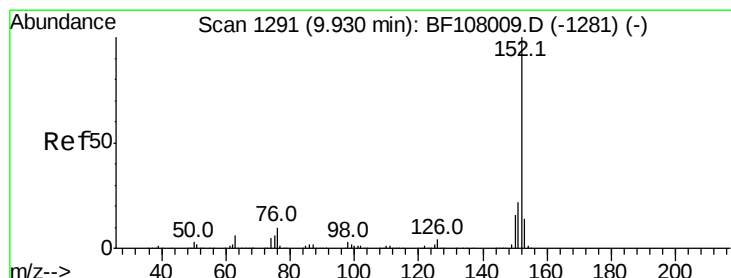
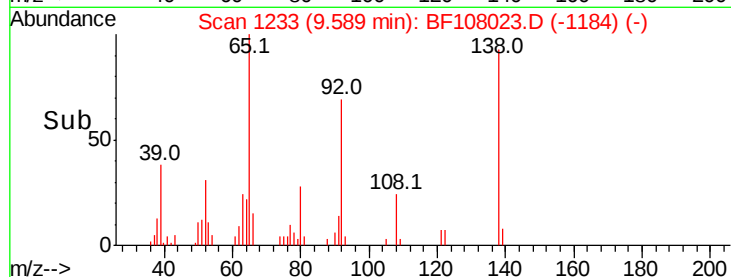
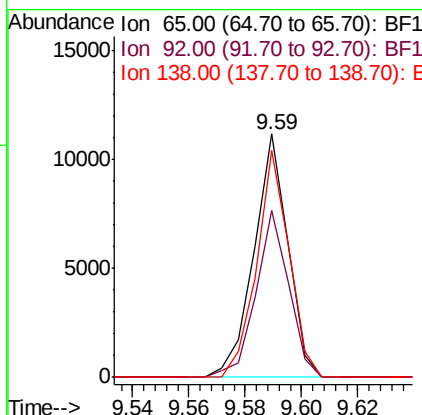
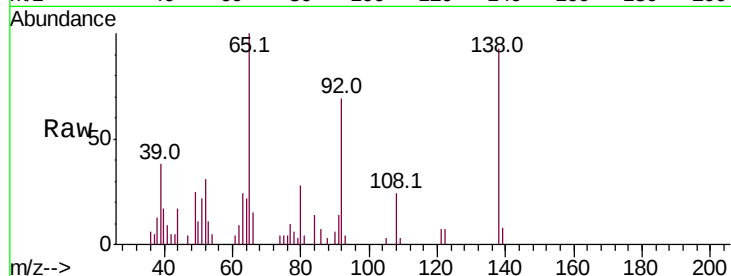
#47
2-Nitroaniline
Concen: 0.894 ng
RT: 9.59 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	68.8	55.8	83.6
138	93.4	91.2	136.8

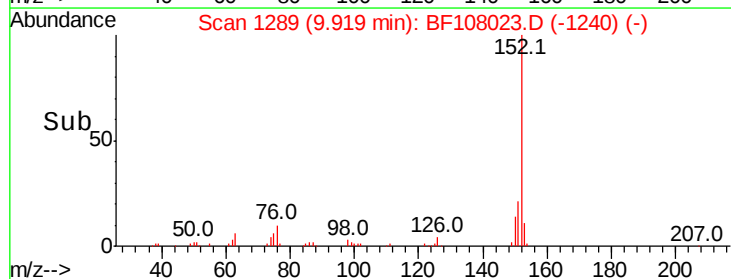
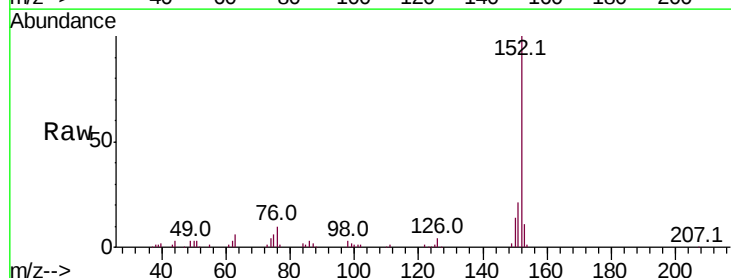
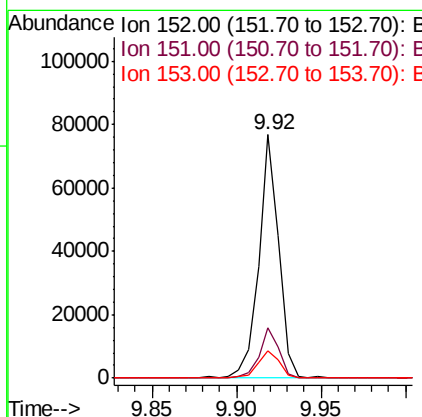
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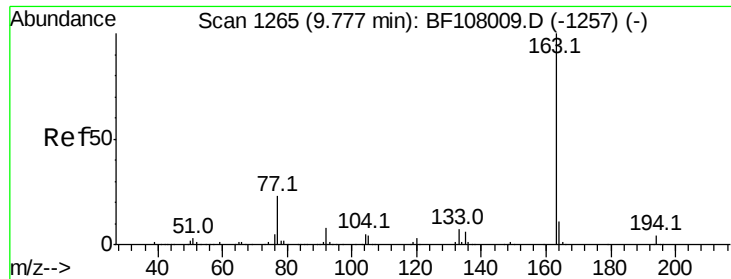
Sohil
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#48
Acenaphthylene
Concen: 1.233 ng
RT: 9.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	11.1	10.7	16.1





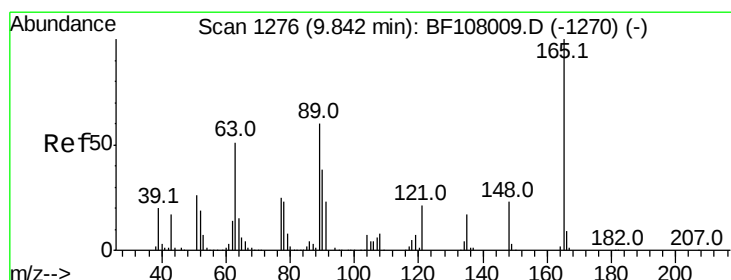
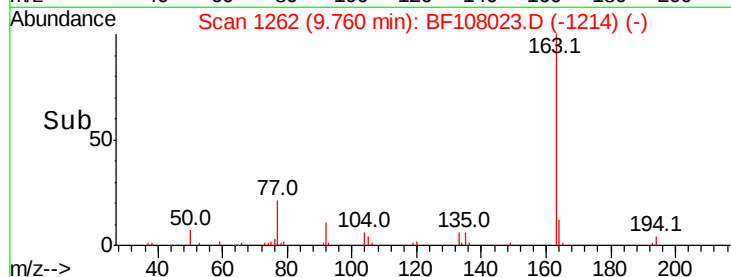
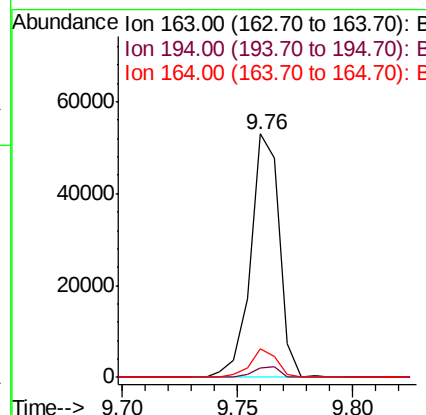
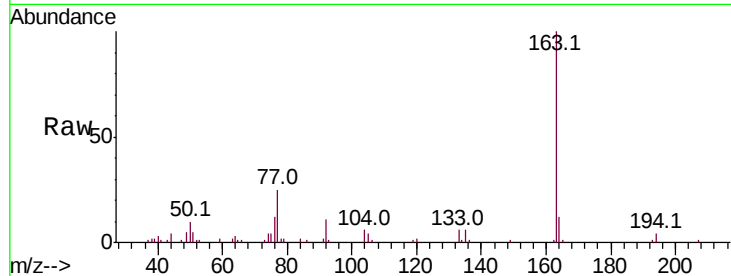
#49
 Dimethylphthalate
 Concen: 1.195 ng
 RT: 9.76 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion:	163	Resp:	46045
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	11.7	8.2	12.2

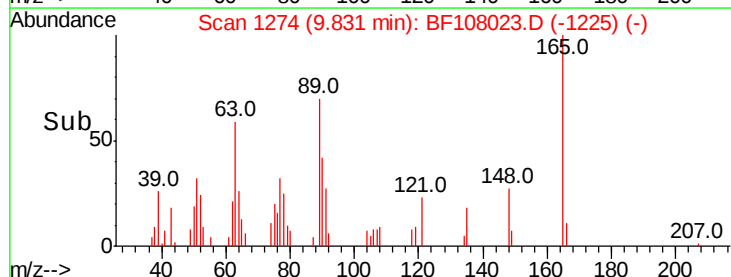
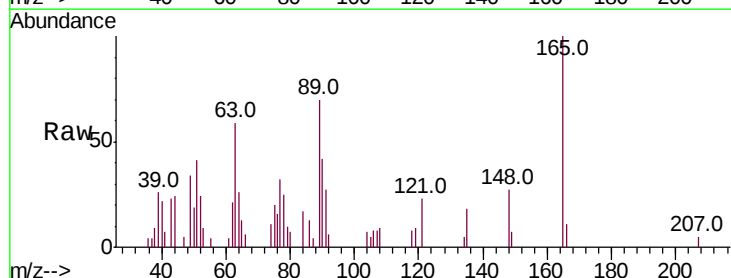
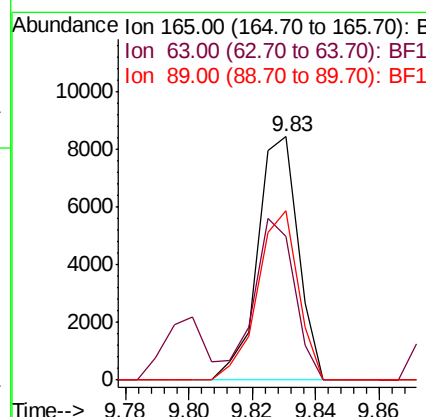
Manual Integrations
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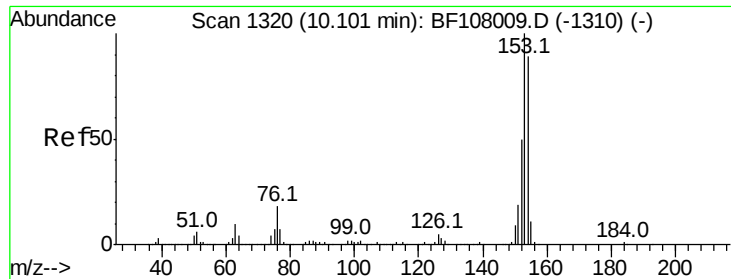
Sohil
 8/9/2018 5:01:19 PM



#50
 2,6-Dinitrotoluene
 Concen: 0.933 ng
 RT: 9.83 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:	165	Resp:	7522
Ion Ratio	Lower	Upper	
165	100		
63	59.0	44.7	67.1
89	69.7	44.0	66.0#





#51

Acenaphthene

Concen: 1.261 ng

RT: 10.09 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

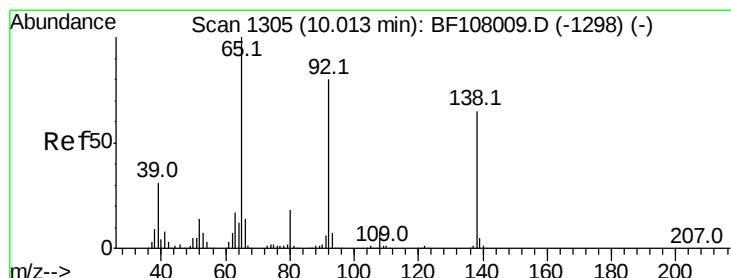
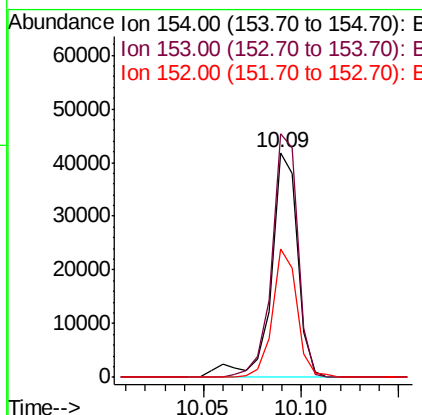
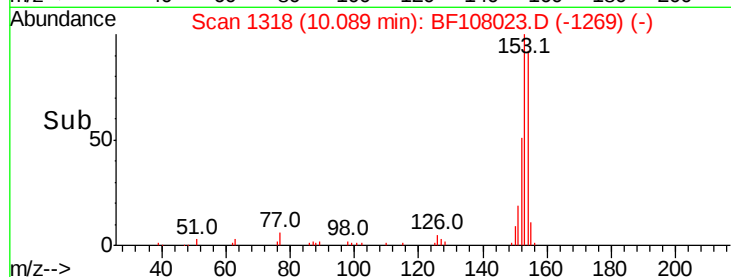
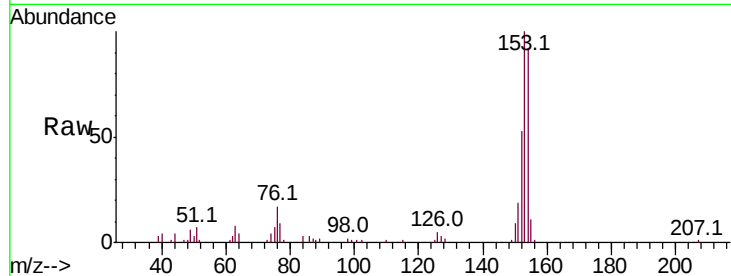
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	154	Resp:	39350
Ion Ratio	Lower	Upper	
154	100		
153	108.2	91.2	136.8
152	57.3	43.8	65.8

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#52

3-Nitroaniline

Concen: 0.775 ng

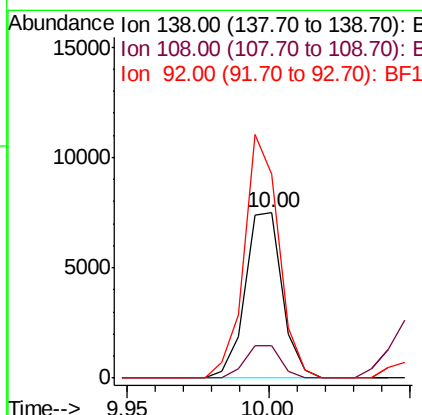
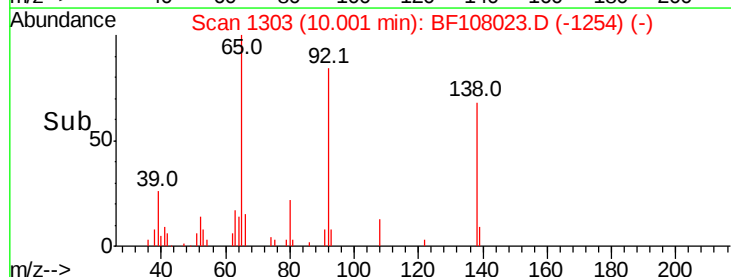
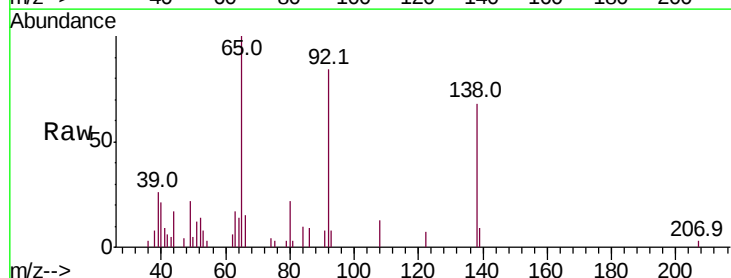
RT: 10.00 min Scan# 1303

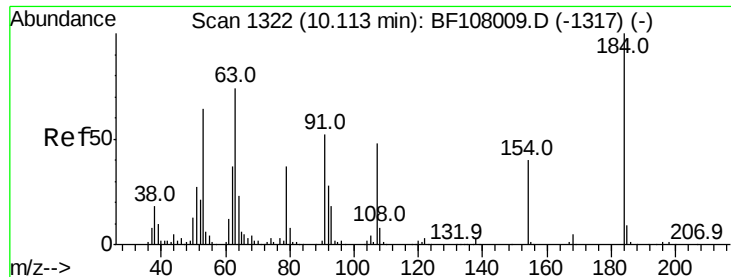
Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	138	Resp:	6832
Ion Ratio	Lower	Upper	
138	100		
108	19.6	9.4	14.0#
92	122.9	89.4	134.2





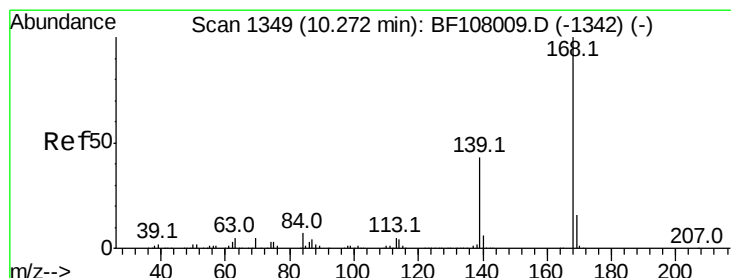
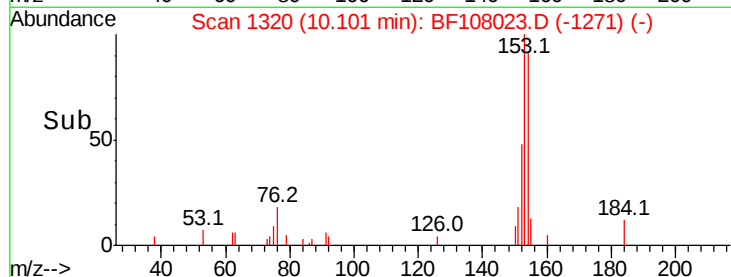
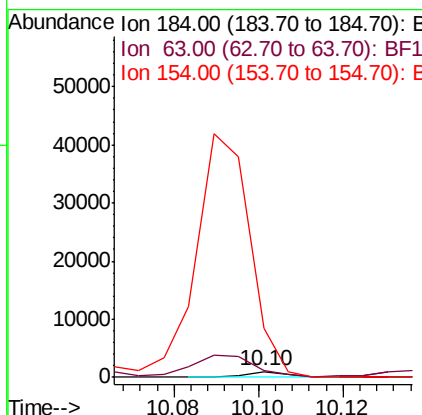
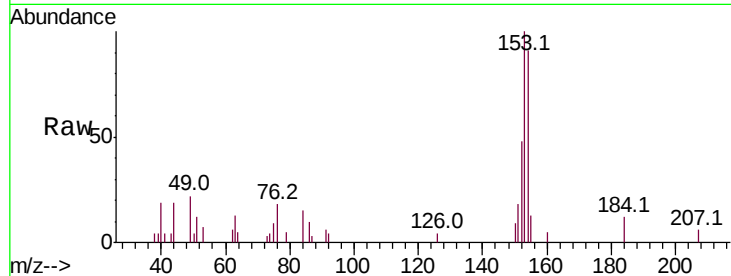
#53
2,4-Dinitrophenol
Concen: 7.224 ng
RT: 10.10 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
184	100		
63	116.0	54.2	81.2#
154	791.4	184.0	276.0#

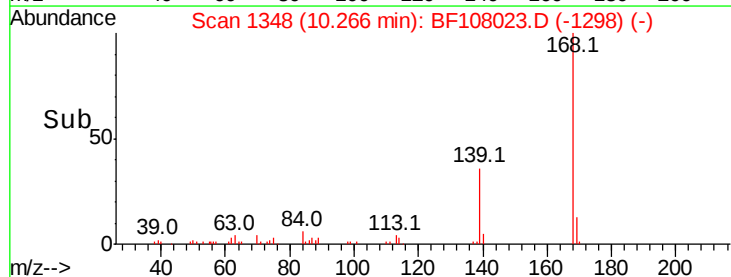
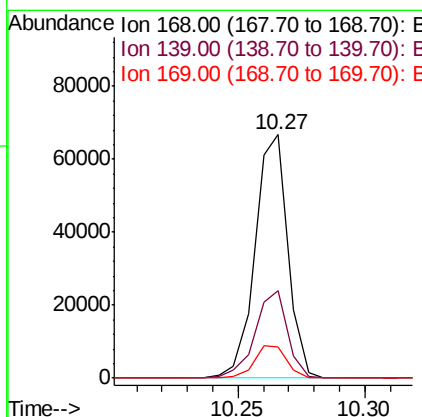
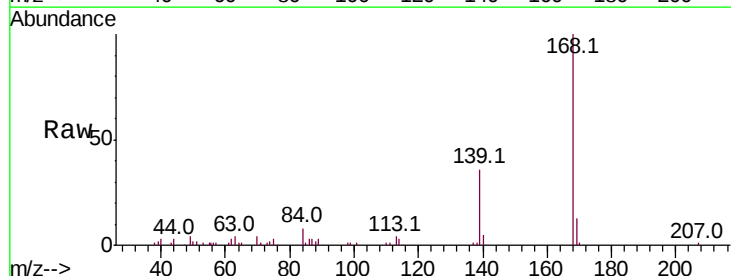
Manual Integrations
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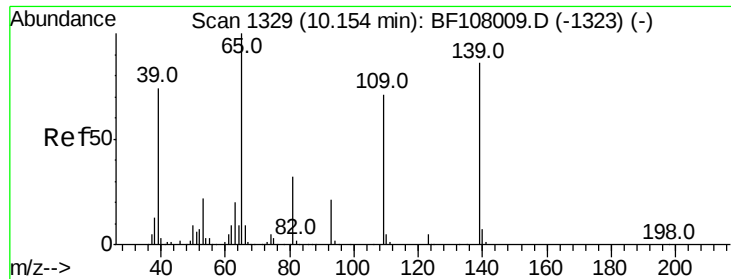
Sohil
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#54
Dibenzofuran
Concen: 1.326 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.7	30.1	45.1
169	12.9	10.9	16.3





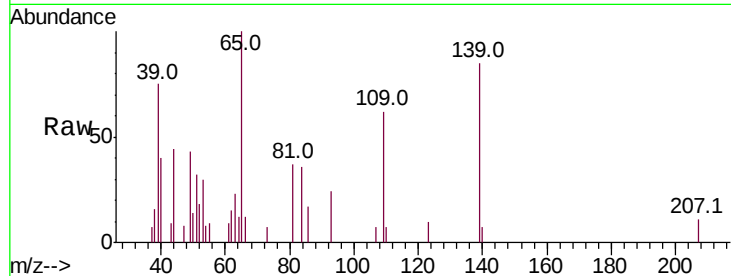
#55
4-Nitrophenol
Concen: 0.657 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
139	100		
109	73.3	48.4	88.4
65	118.0	72.6	112.6

Manual Integrations
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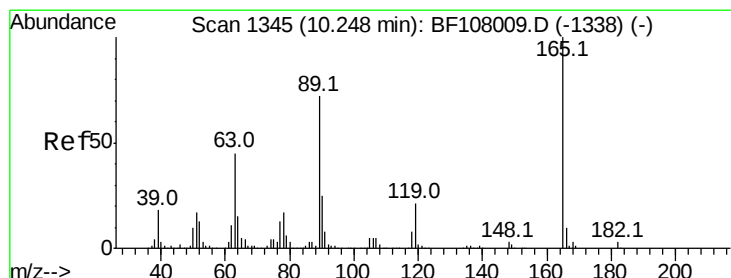
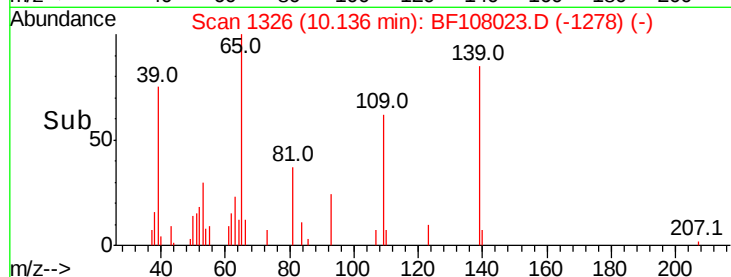
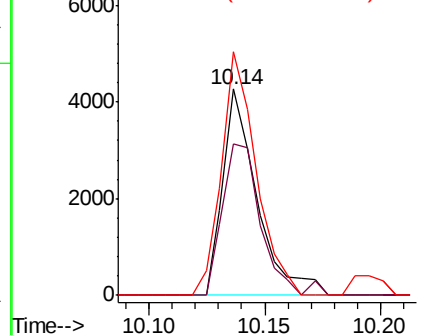


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56
2,4-Dinitrotoluene
Concen: 0.788 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	60.3	36.4	54.6
89	92.2	57.8	86.6
182	0.0	1.6	2.4

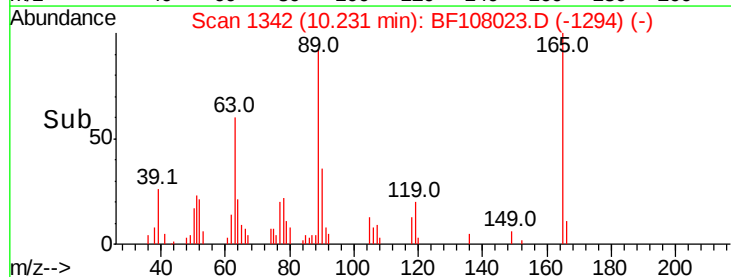
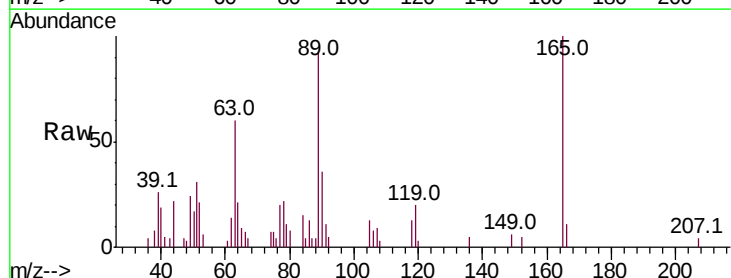
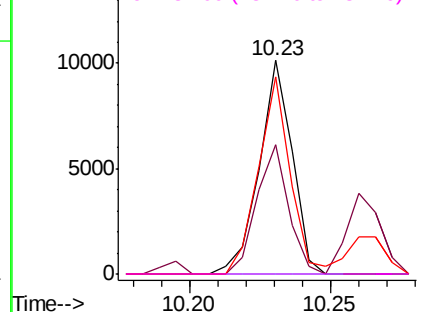
Abundance

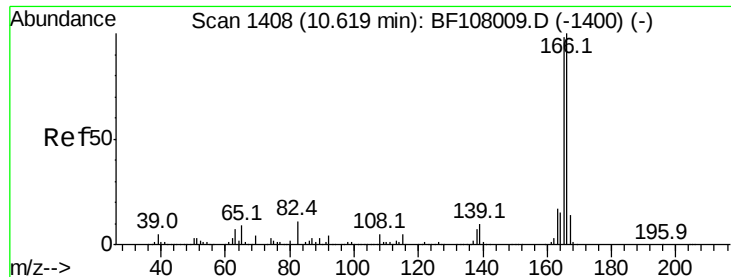
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 1.351 ng

RT: 10.61 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

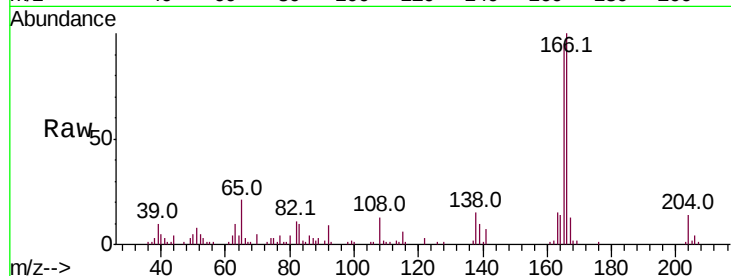
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	166	Resp:	48351
Ion Ratio	Lower	Upper	
166	100		
165	95.2	79.8	119.8
167	12.9	10.6	16.0

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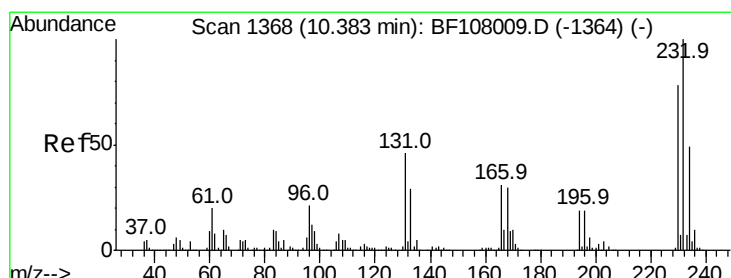
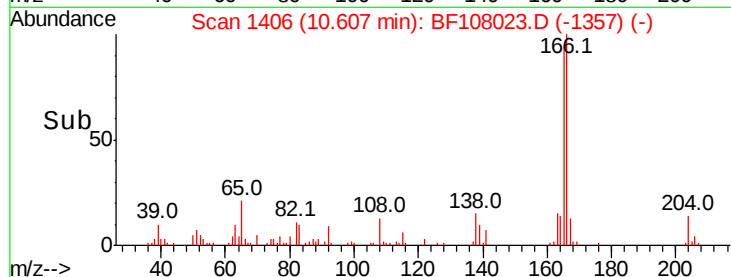
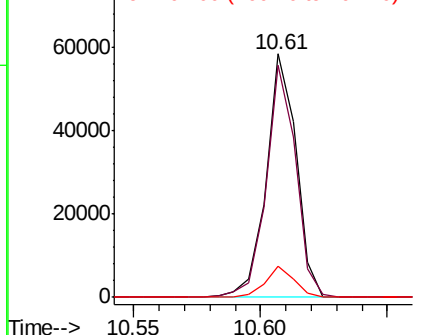


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.782 ng

RT: 10.38 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	232	Resp:	7587
Ion Ratio	Lower	Upper	
232	100		
131	46.2	43.8	65.8
130	0.0	2.1	3.1#
166	30.2	27.8	41.6

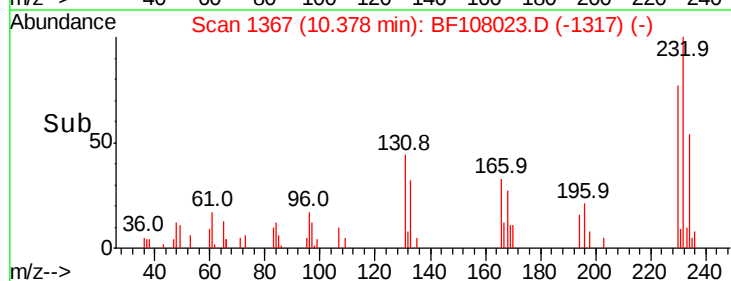
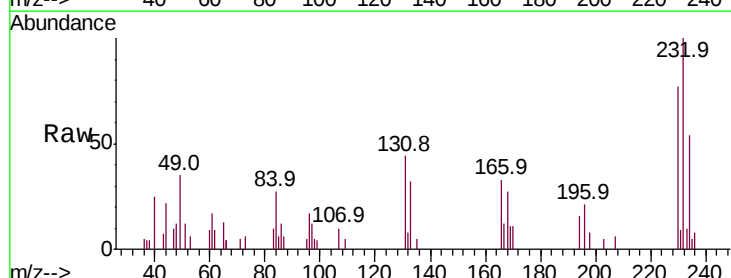
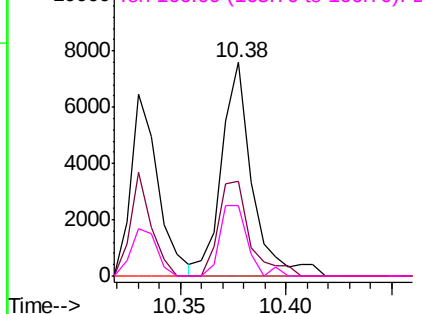
Abundance

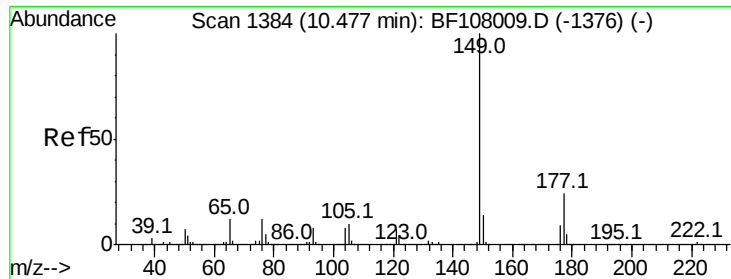
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





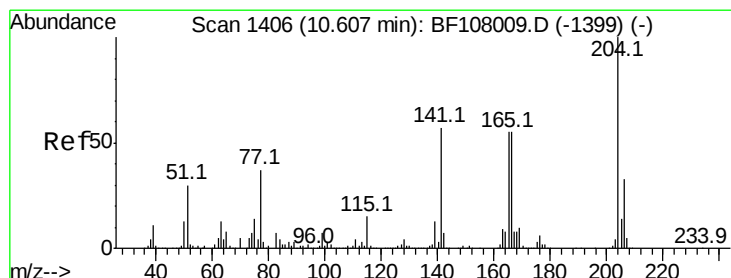
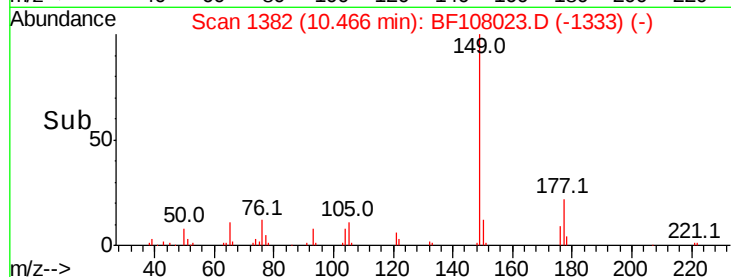
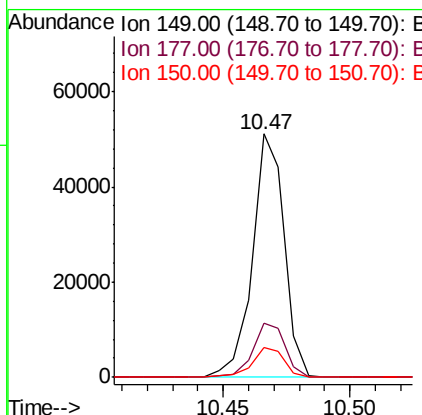
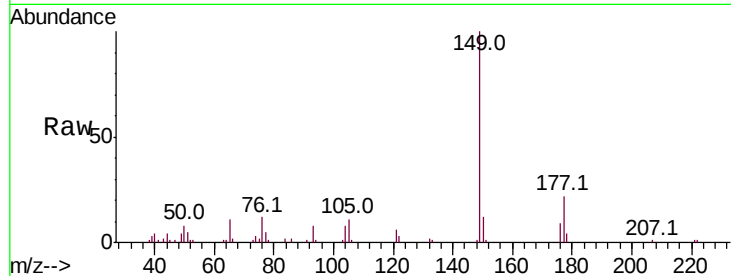
#59
Diethylphthalate
Concen: 1.190 ng
RT: 10.47 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion:	149	Resp:	44389
Ion Ratio	Lower	Upper	
149	100		
177	22.3	16.1	24.1
150	12.2	10.1	15.1

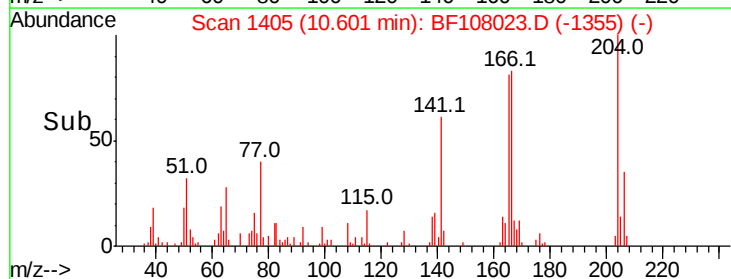
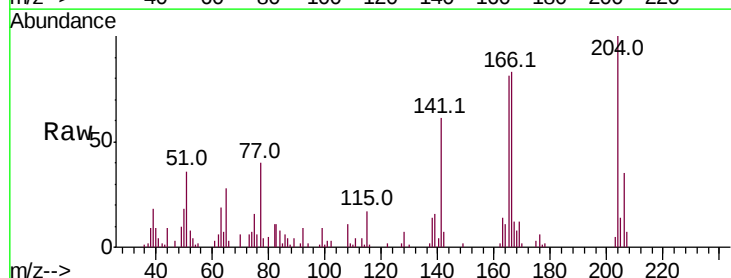
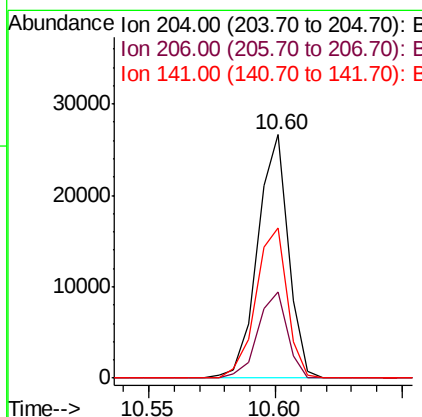
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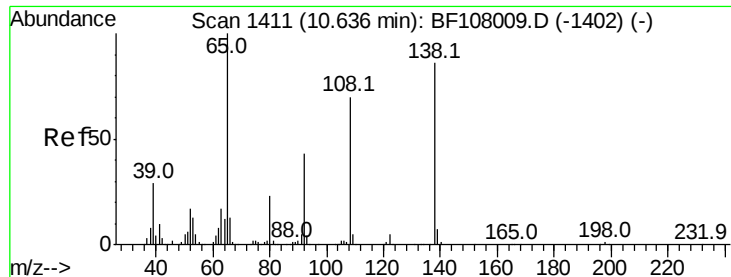
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#60
4-Chlorophenyl-phenylether
Concen: 1.213 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion:	204	Resp:	22631
Ion Ratio	Lower	Upper	
204	100		
206	35.5	26.5	39.7
141	61.5	54.6	81.8





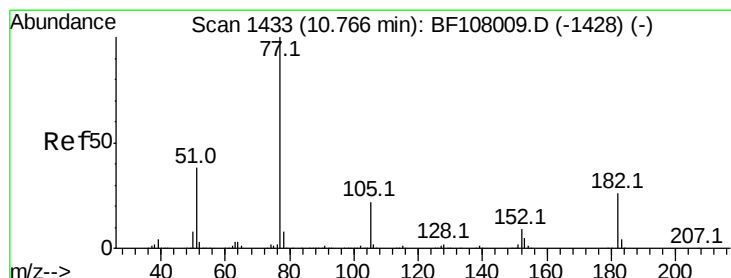
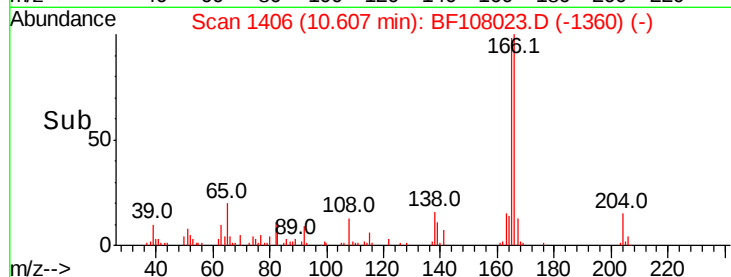
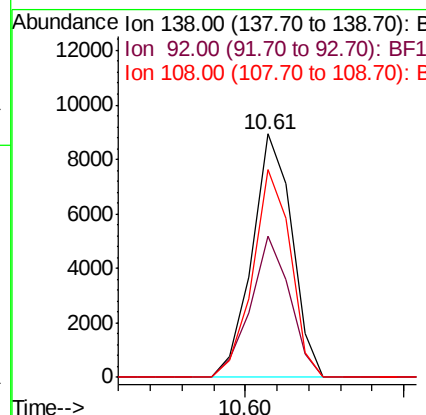
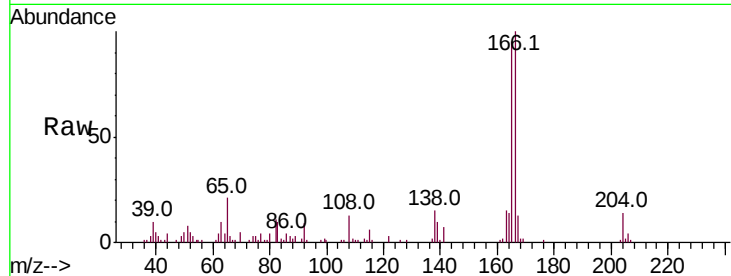
#61
4-Nitroaniline
Concen: 0.894 ng
RT: 10.61 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
138	100		
92	58.1	30.2	70.2
108	85.2	52.5	92.5

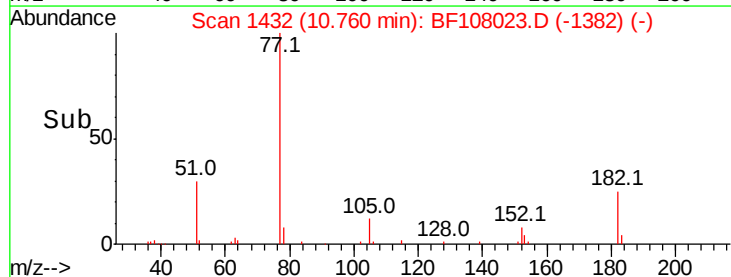
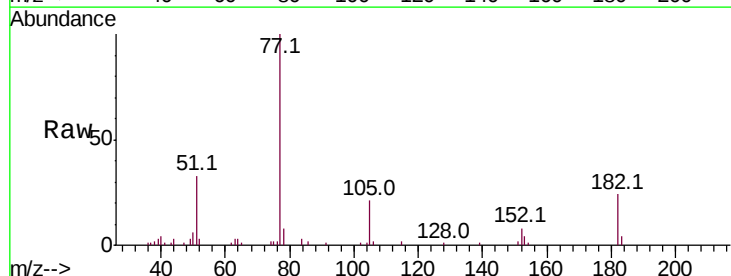
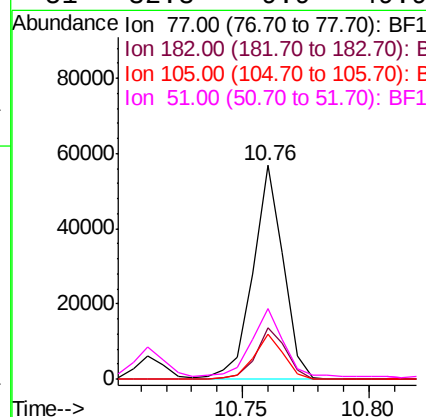
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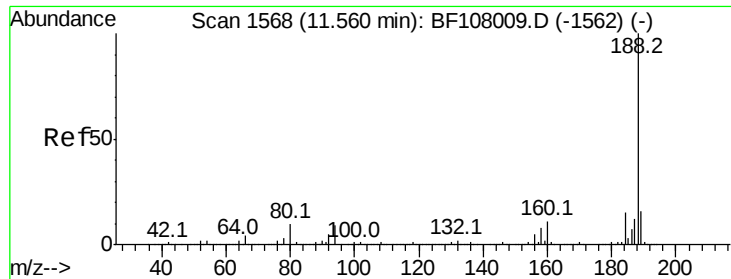
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#62
Azobenzene
Concen: 1.225 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.2	1.7	41.7
105	21.2	3.0	43.0
51	32.8	9.9	49.9





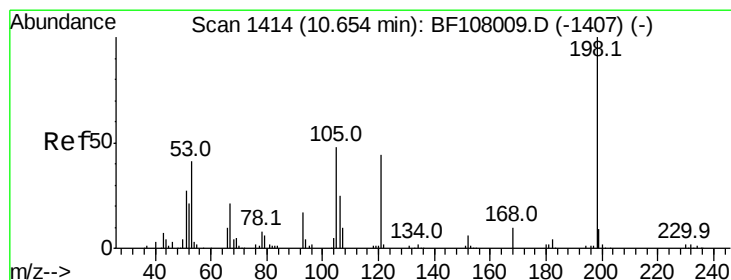
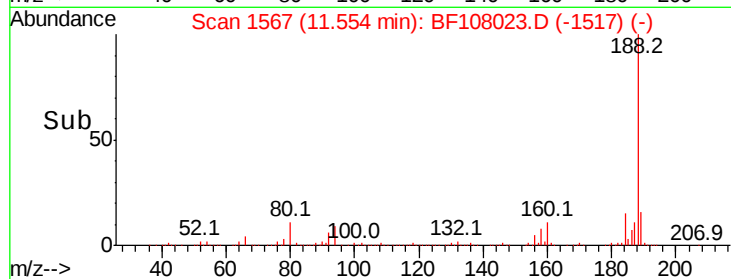
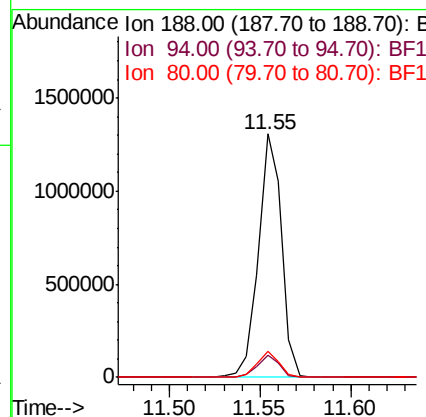
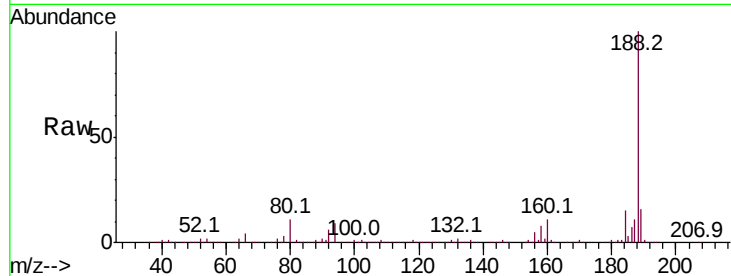
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.9	9.2	13.8

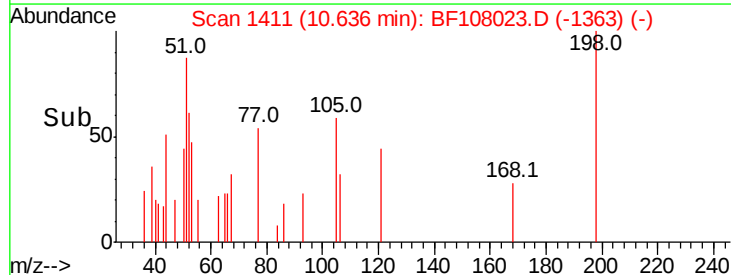
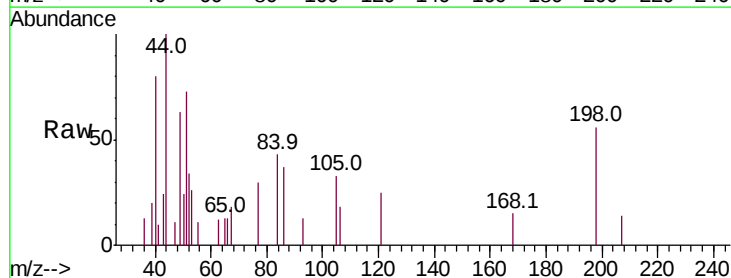
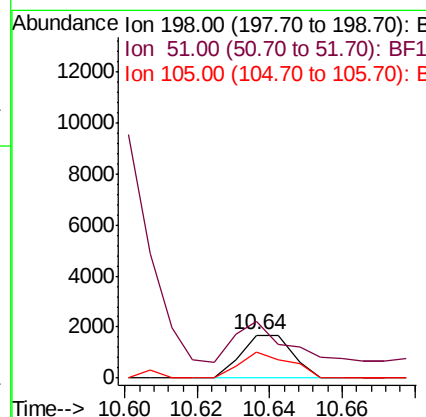
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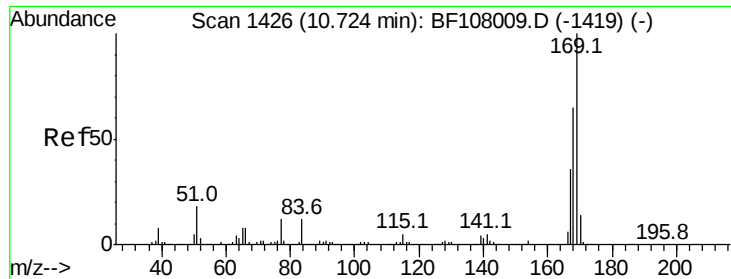
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.700 ng
 RT: 10.64 min Scan# 1411
 Delta R.T. -0.02 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
198	100		
51	130.3	37.7	77.7#
105	59.4	36.3	76.3





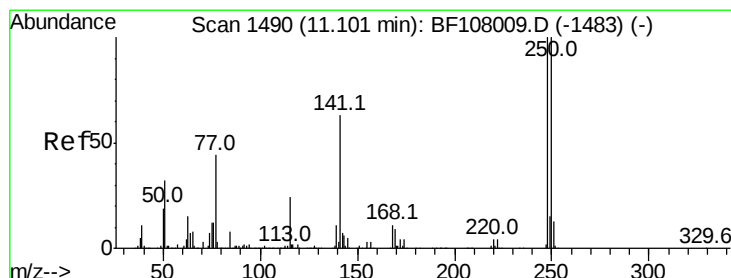
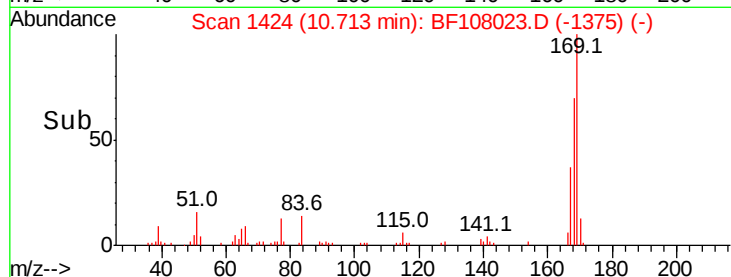
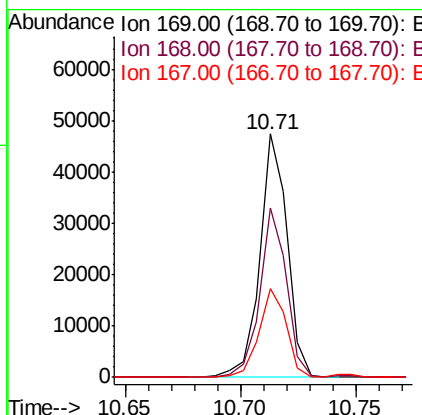
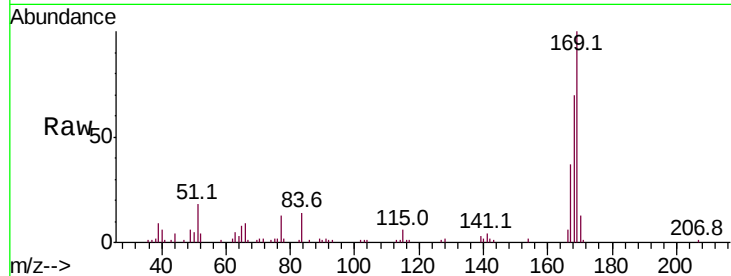
#65
 n-Nitrosodiphenylamine
 Concen: 1.148 ng
 RT: 10.71 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	69.8	54.4	81.6	
167	36.6	29.8	44.6	

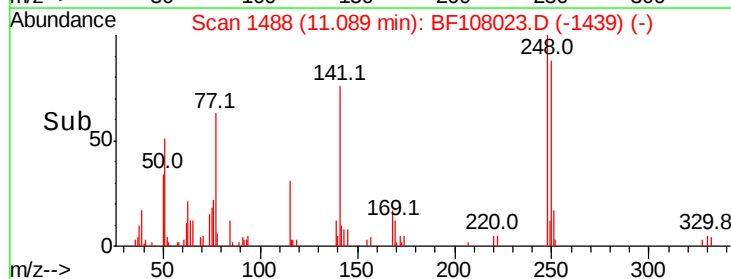
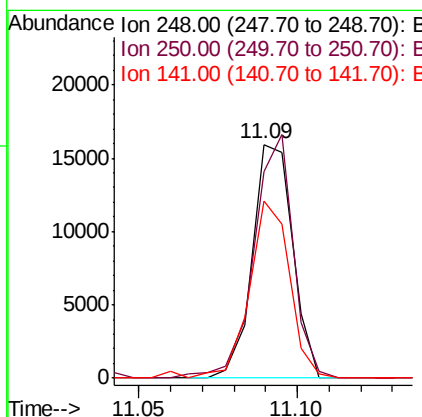
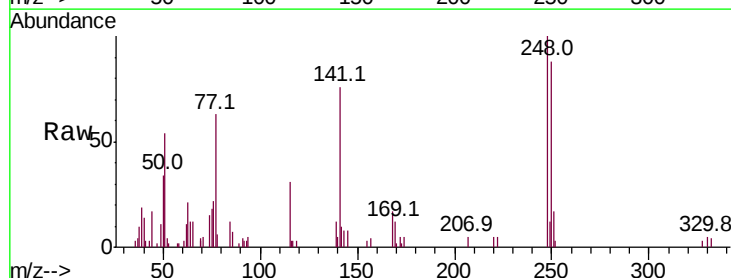
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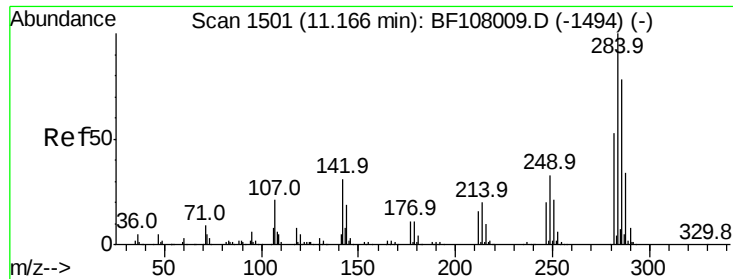
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#66
 4-Bromophenyl-phenylether
 Concen: 1.122 ng
 RT: 11.09 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	88.2	76.9	115.3	
141	75.6	74.4	111.6	





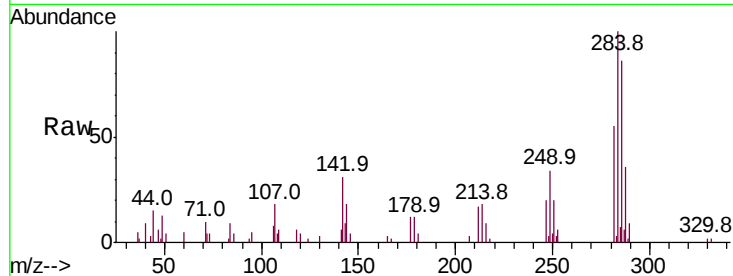
#67
Hexachlorobenzene
Concen: 1.127 ng
RT: 11.16 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

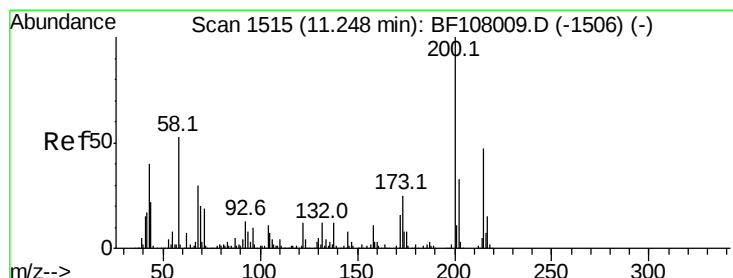
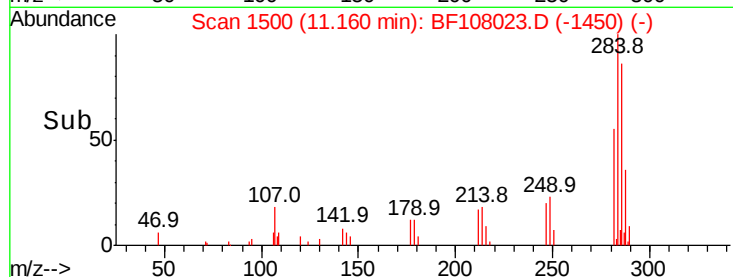
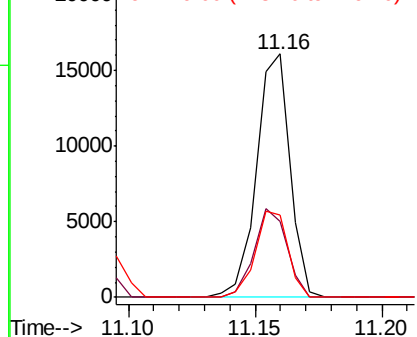
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	31.2	34.6	52.0	
249	33.9	24.8	37.2	

Manual Integrations
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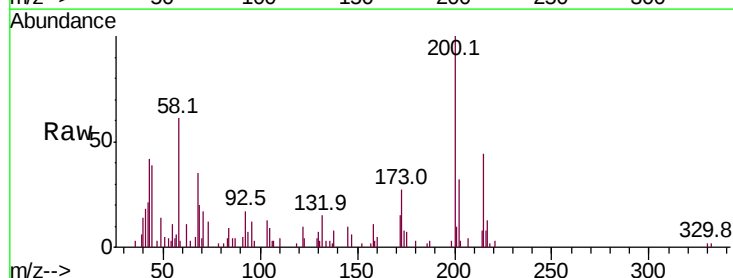


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

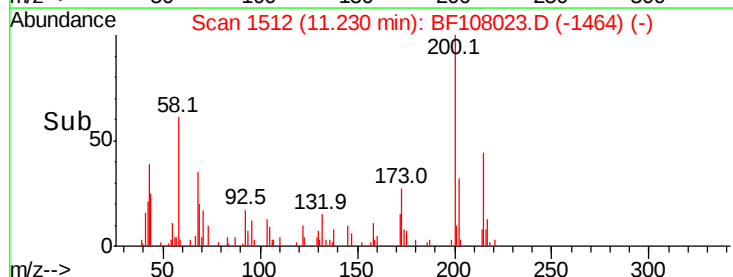
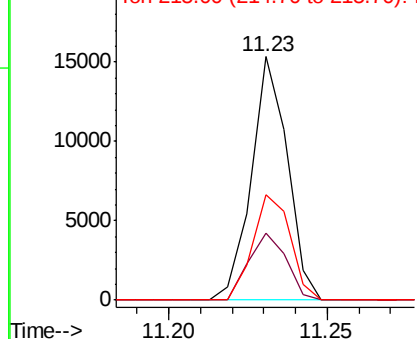


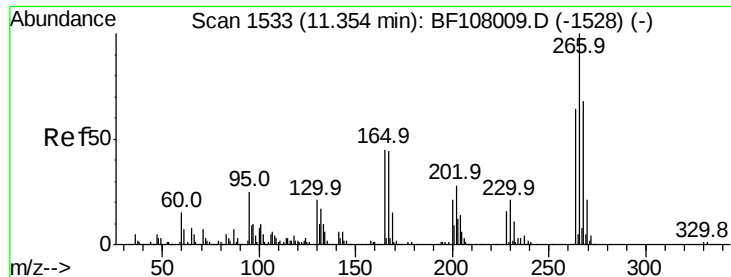
#68
Atrazine
Concen: 1.057 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.4	8.6	48.6	
215	43.5	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





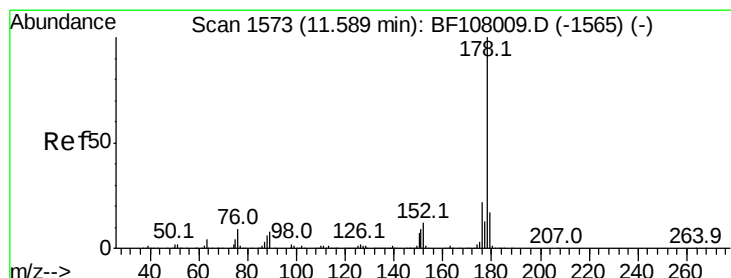
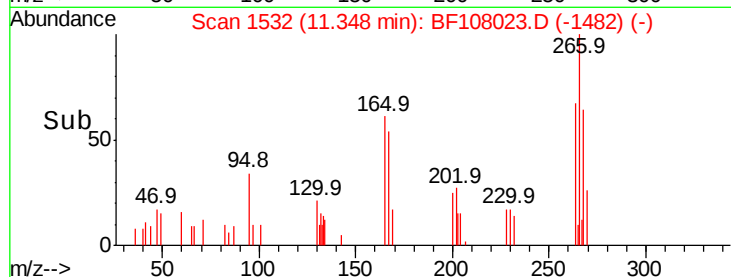
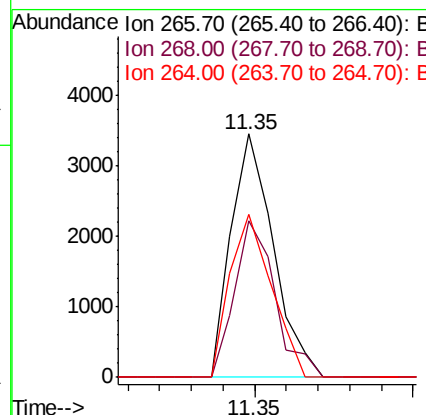
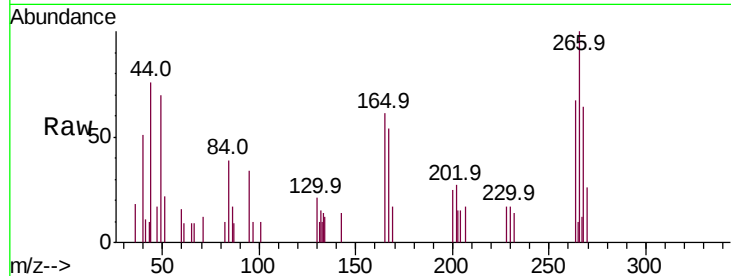
#69
 Pentachlorophenol
 Concen: 0.501 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion:	266	Resp:	3168
Ion Ratio	Lower	Upper	
266	100		
268	64.2	51.1	76.7
264	66.8	49.5	74.3

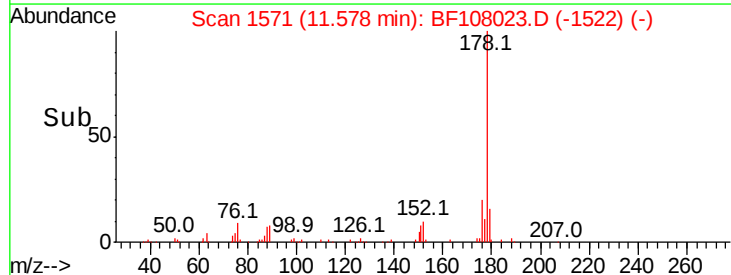
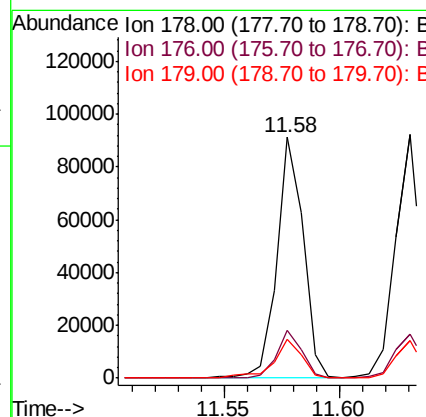
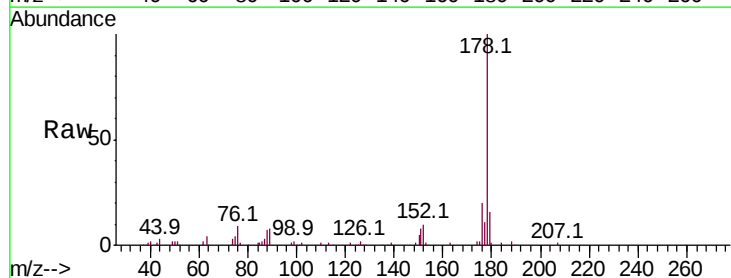
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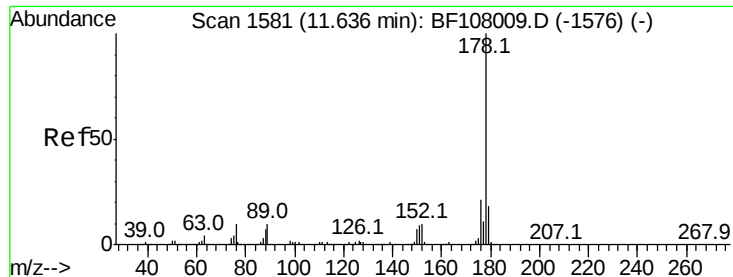
Sohil
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#70
 Phenanthrene
 Concen: 1.319 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:	178	Resp:	71851
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.8	23.8
179	16.1	13.0	19.6





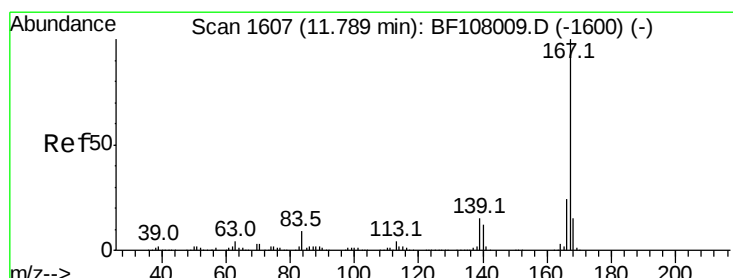
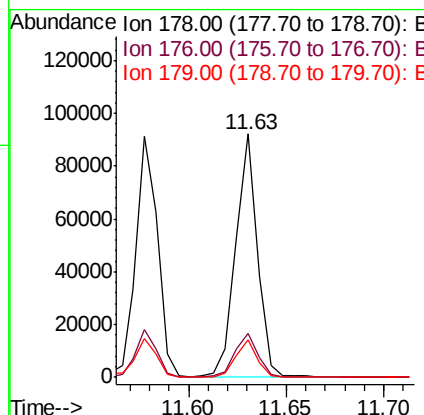
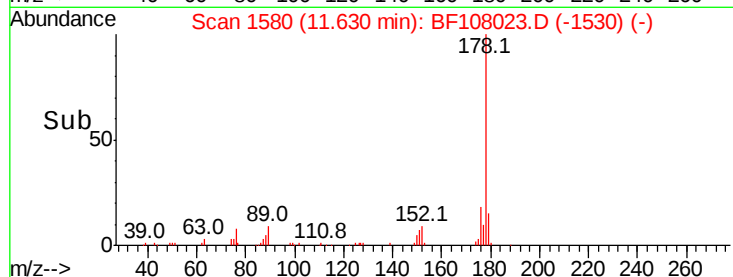
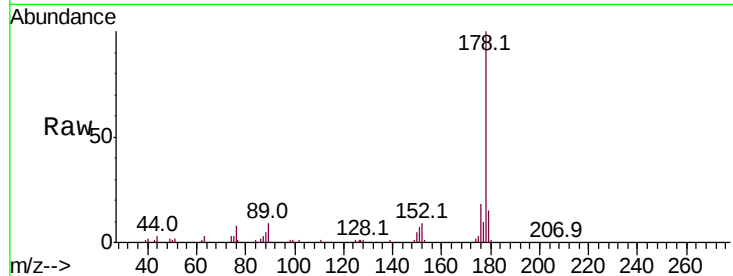
#71
 Anthracene
 Concen: 1.284 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.2	12.6	19.0

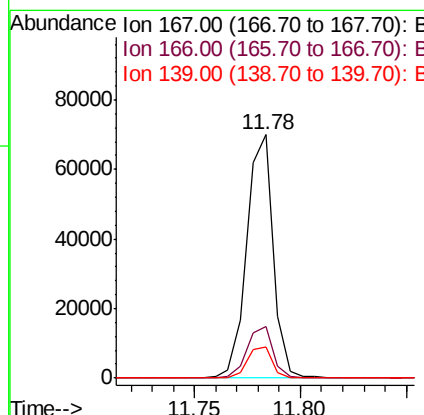
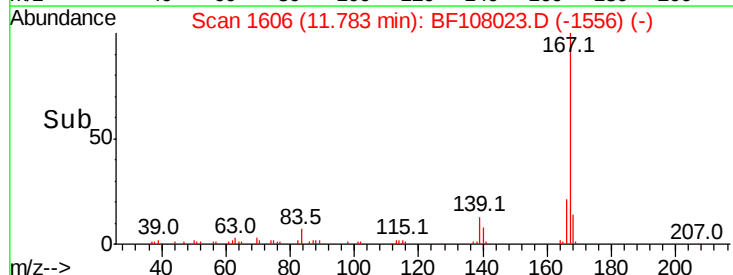
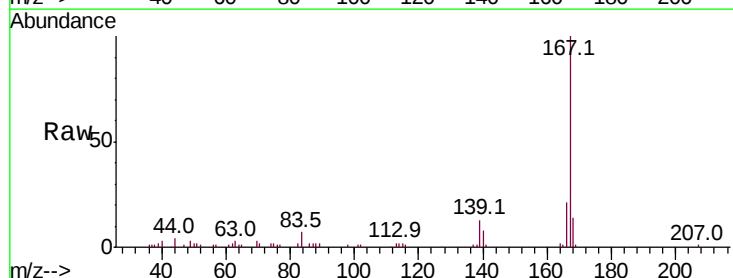
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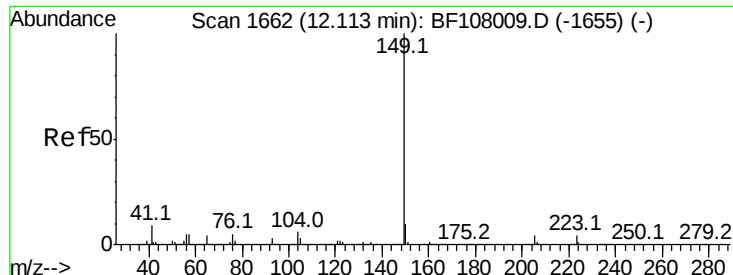
Sohil
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#72
 Carbazole
 Concen: 1.224 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	12.6	10.9	16.3





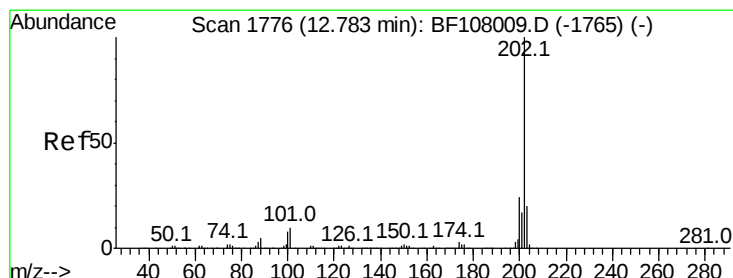
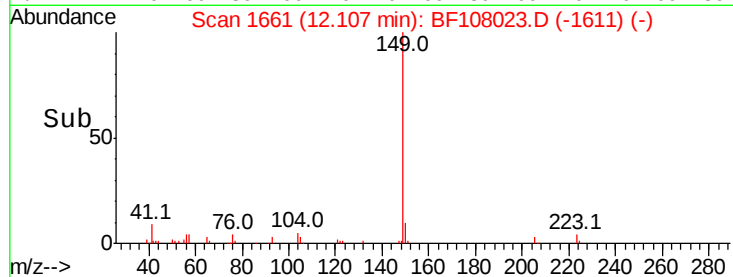
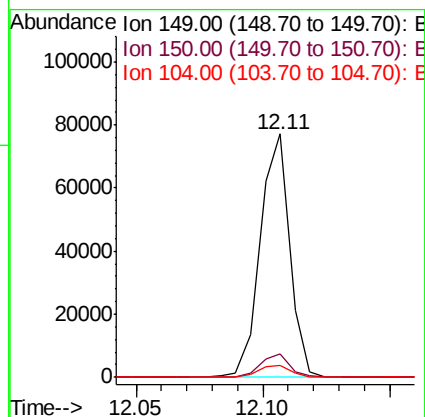
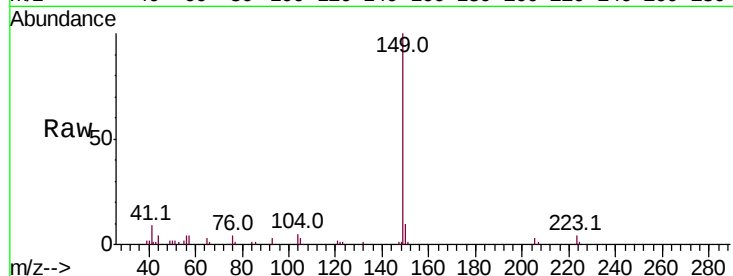
#73
Di-n-butylphthalate
Concen: 1.117 ng
RT: 12.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	62790		
150	9.8		7.8	11.6
104	4.9		3.8	5.8

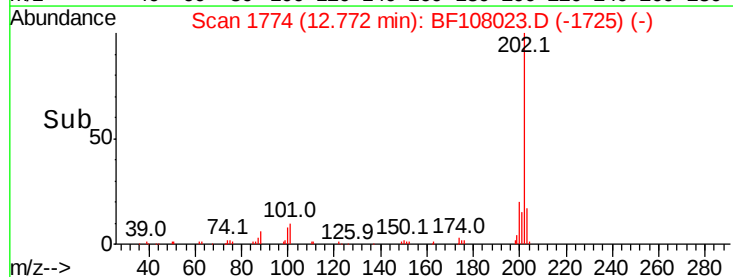
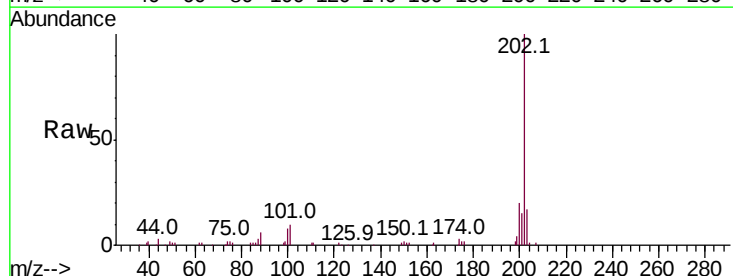
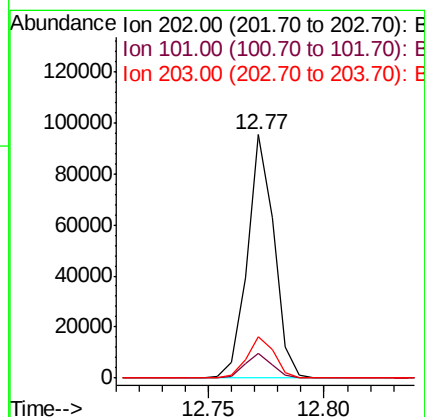
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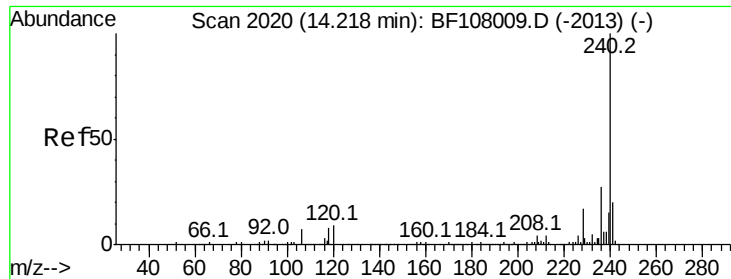
Sohil
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#74
Fluoranthene
Concen: 1.294 ng
RT: 12.77 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	76949		
101	10.3		0.0	34.1
203	16.9		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:240 Resp: 1056292

Ion Ratio Lower Upper

240 100

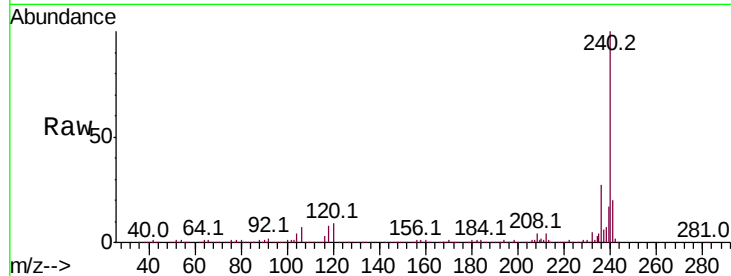
120 9.1 9.5 14.3#

236 26.7 20.7 31.1

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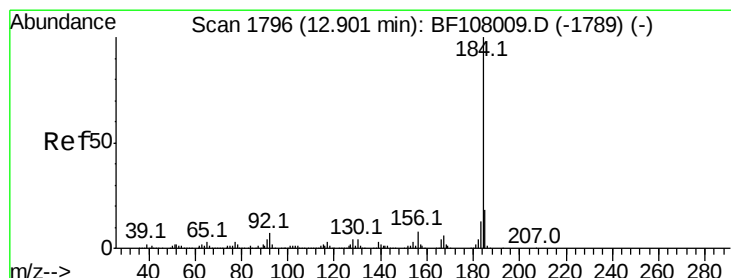
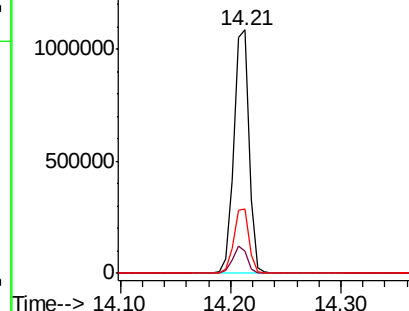
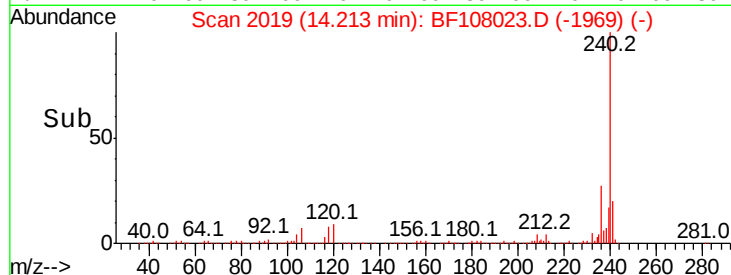
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.211 ng

RT: 12.89 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

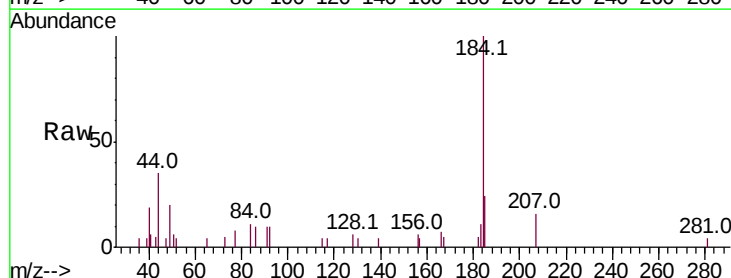
Tgt Ion:184 Resp: 8311

Ion Ratio Lower Upper

184 100

185 24.5 12.6 18.8#

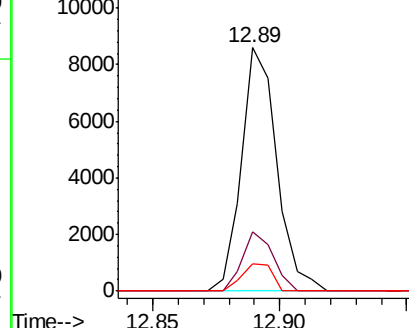
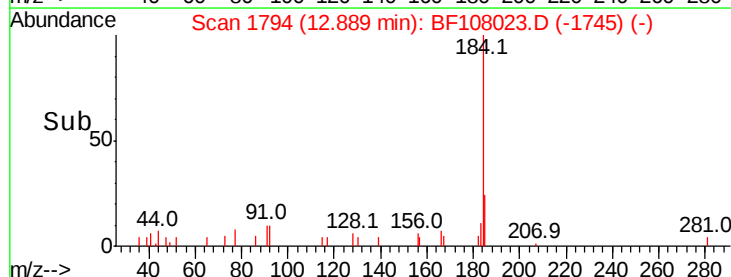
183 11.4 9.3 13.9

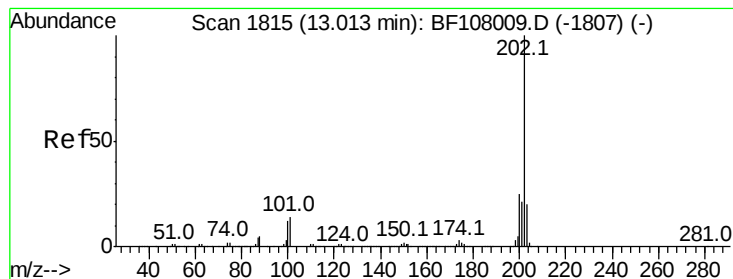


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 1.172 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

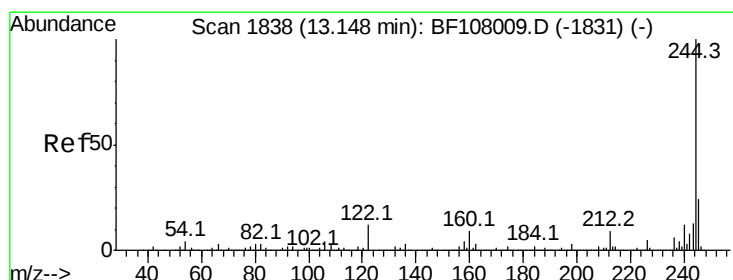
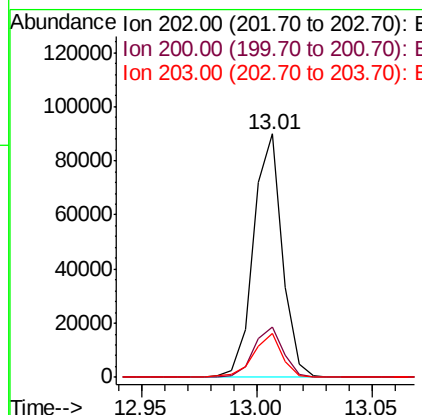
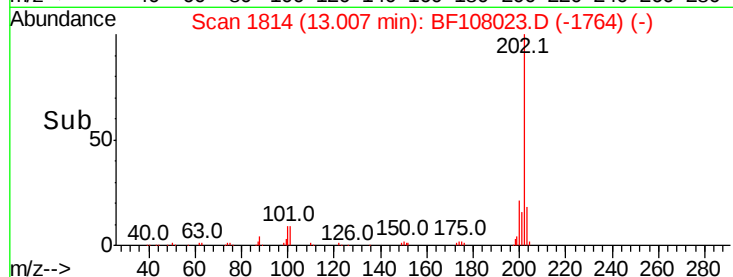
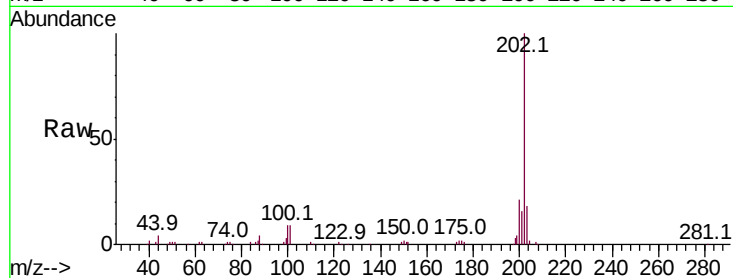
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	202	Resp:	78363
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 82.038 ng

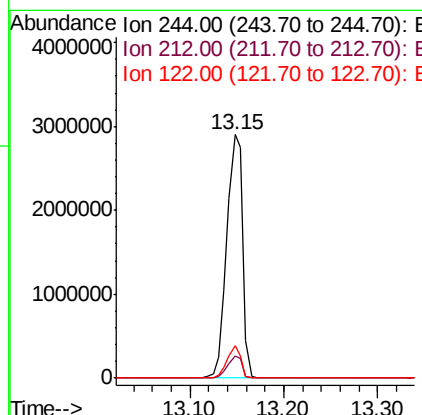
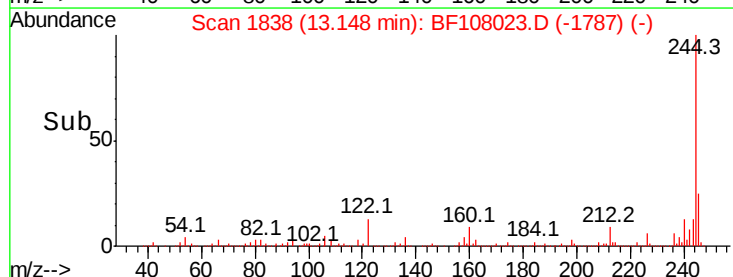
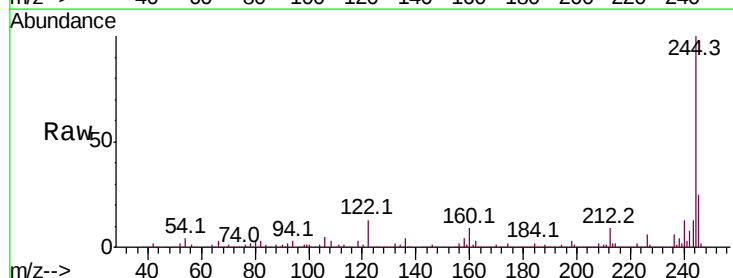
RT: 13.15 min Scan# 1838

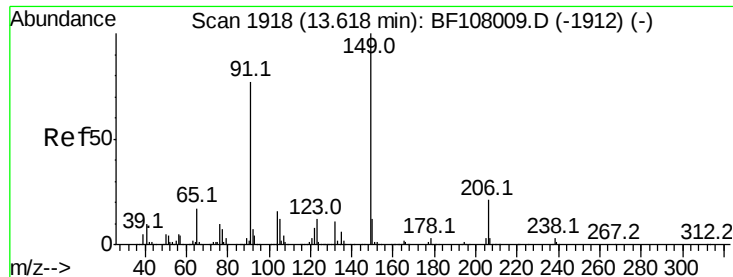
Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	244	Resp:	3408190
Ion Ratio	Lower	Upper	
244	100		
212	9.3	5.4	8.0#
122	13.2	11.0	16.4





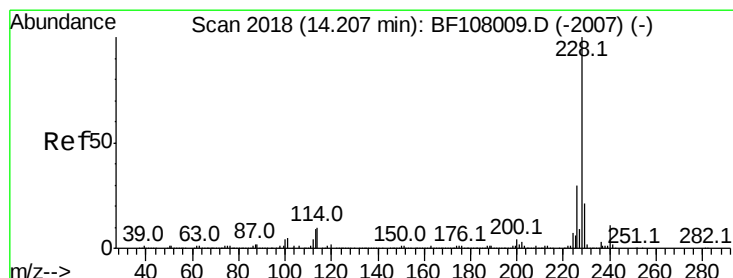
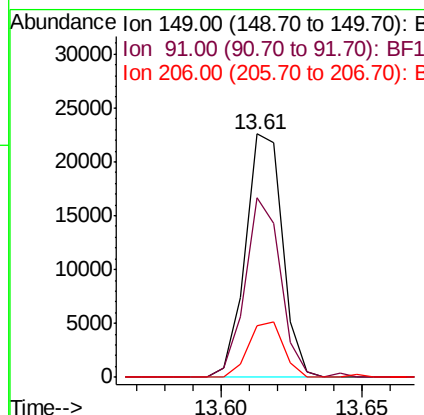
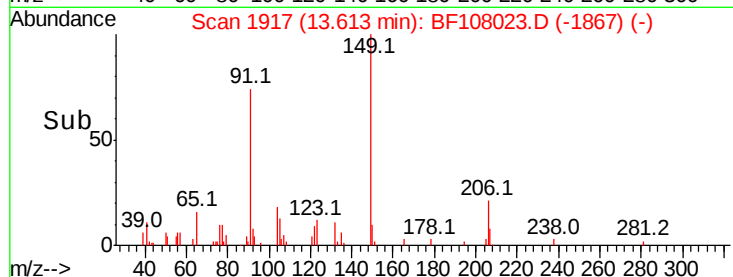
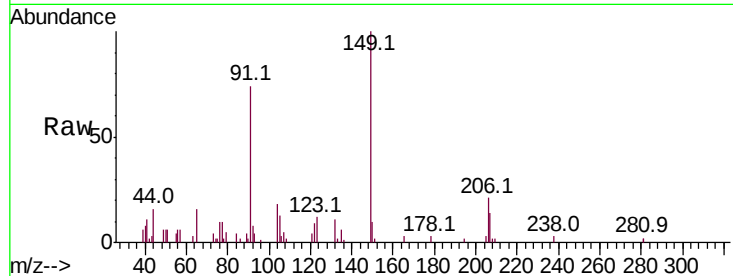
#79
 Butylbenzylphthalate
 Concen: 0.773 ng
 RT: 13.61 min Scan# 1917
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion:	149	Resp:	20533
Ion Ratio	Lower	Upper	
149	100		
91	73.8	56.8	85.2
206	21.2	14.1	21.1

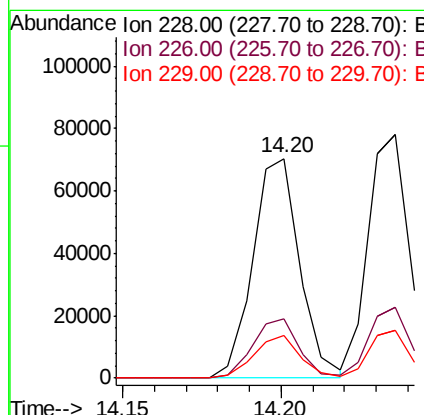
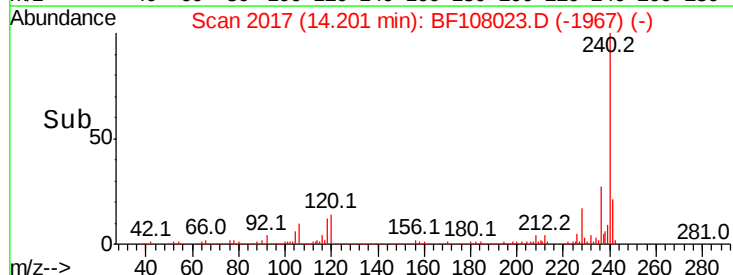
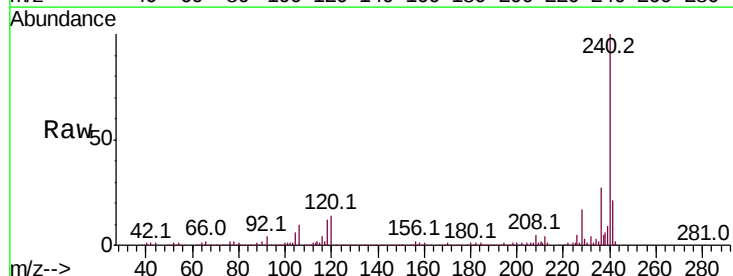
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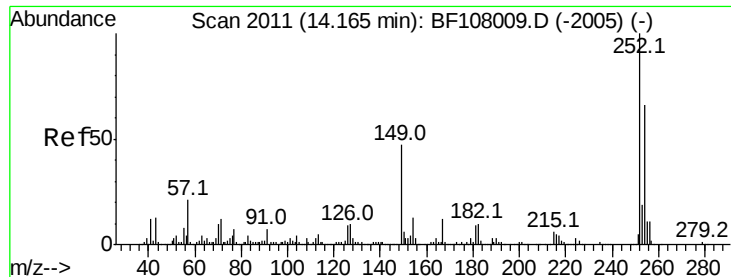
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#80
 Benzo(a)anthracene
 Concen: 1.188 ng
 RT: 14.20 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

Tgt Ion:	228	Resp:	71997
Ion Ratio	Lower	Upper	
228	100		
226	27.0	22.6	33.8
229	19.5	15.8	23.6





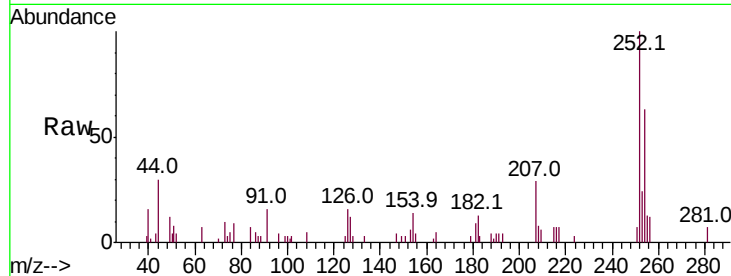
#81
3,3'-Dichlorobenzidine
Concen: 0.559 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	12138		
254	62.9	50.4	75.6	
126	15.7	11.3	16.9	

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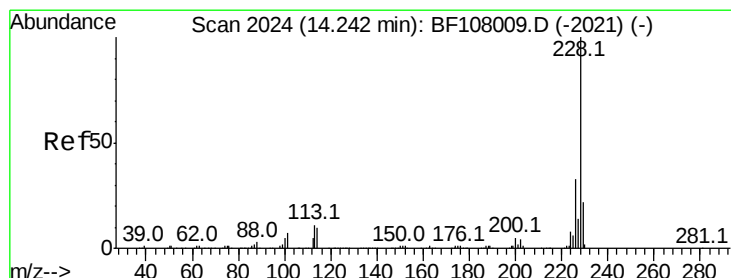
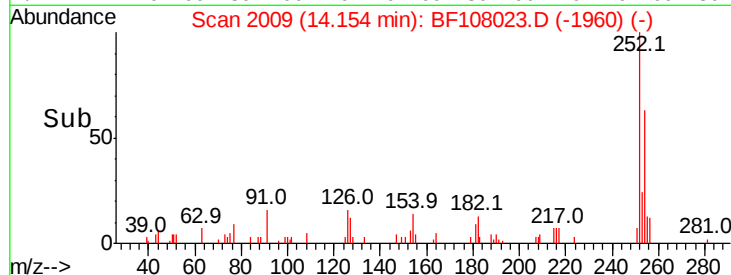
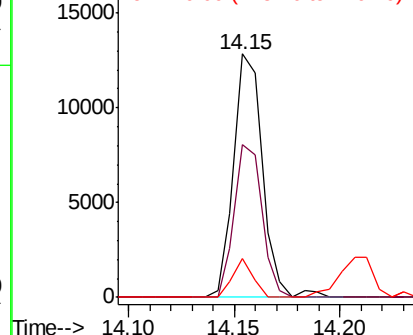


Abundance

Ion 252.00 (251.70 to 252.70): E

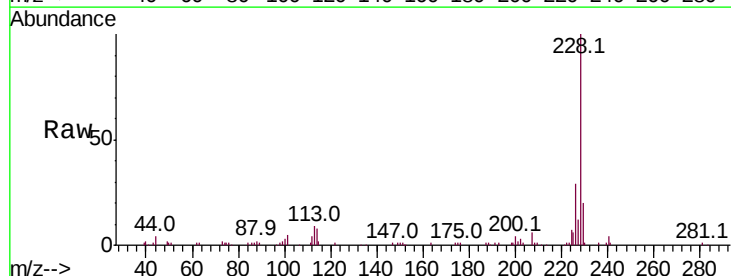
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
Chrysene
Concen: 1.274 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	70812		
226	29.2	25.0	37.6	
229	19.6	16.2	24.4	

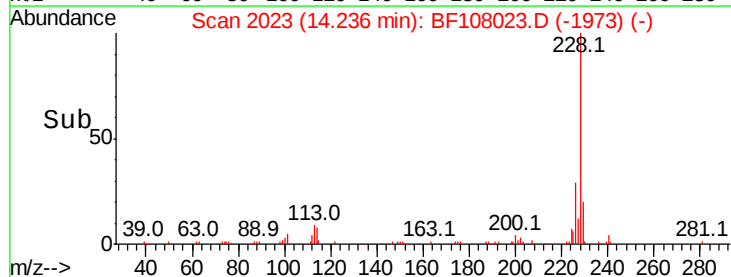
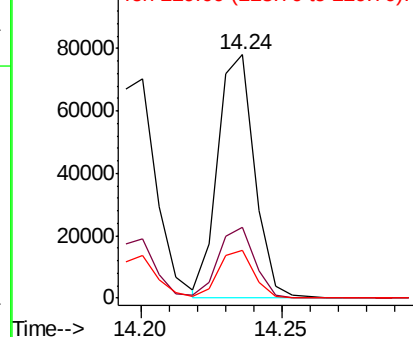


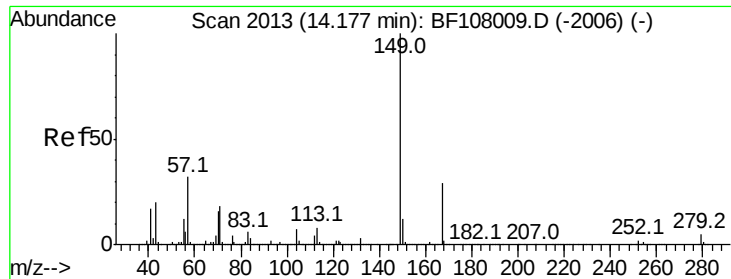
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.891 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Instrument :

BNA_F

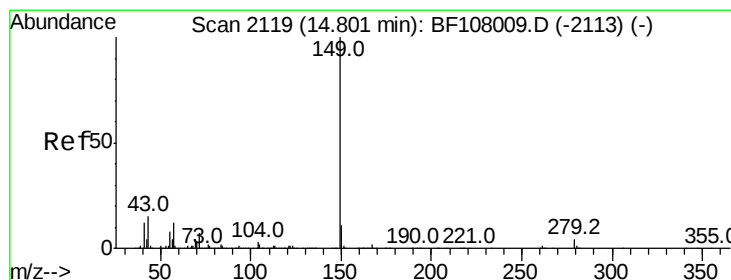
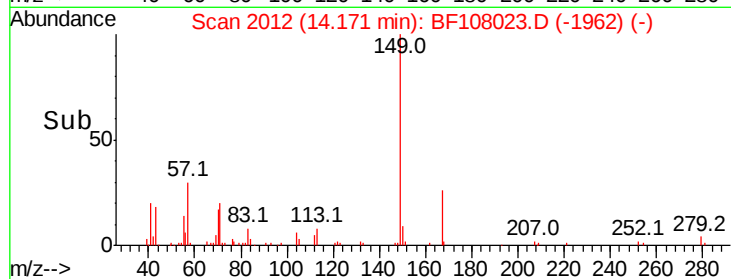
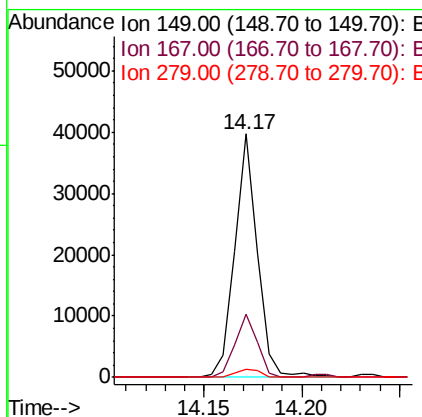
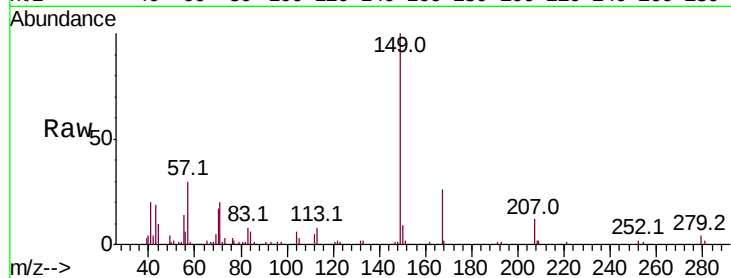
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	149	Resp:	32056
Ion Ratio	Lower	Upper	
149	100		
167	25.9	21.3	31.9
279	3.5	3.0	4.4

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#84

Di-n-octyl phthalate

Concen: 0.774 ng

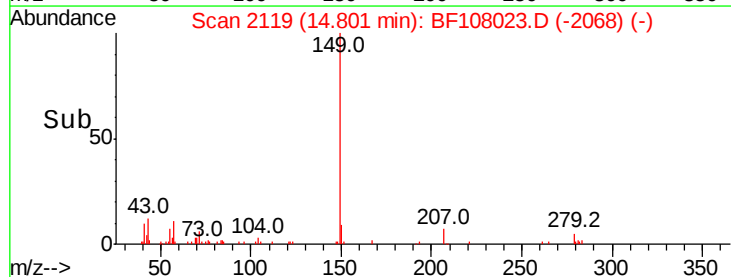
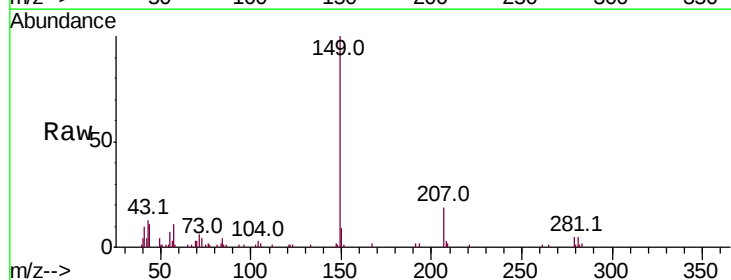
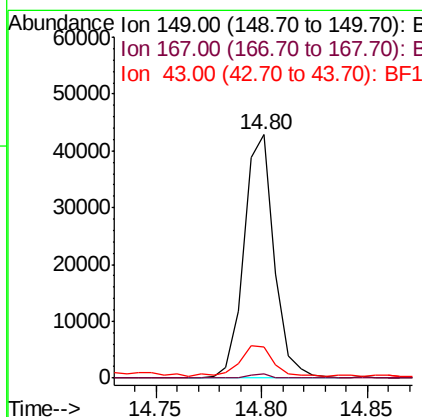
RT: 14.80 min Scan# 2119

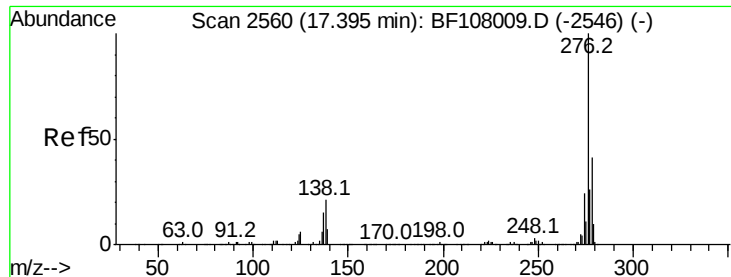
Delta R.T. 0.00 min

Lab File: BF108023.D

Acq: 8 Aug 2018 16:54

Tgt Ion:	149	Resp:	42445
Ion Ratio	Lower	Upper	
149	100		
167	1.0	1.2	1.8#
43	14.4	8.4	12.6#





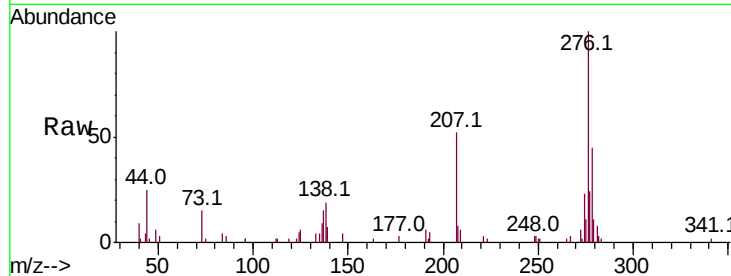
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.939 ng
 RT: 17.38 min Scan# 2557
 Delta R.T. -0.02 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.0	37.6
277	24.5	20.1	30.1

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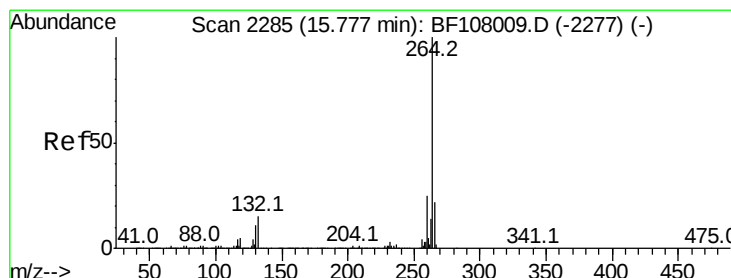
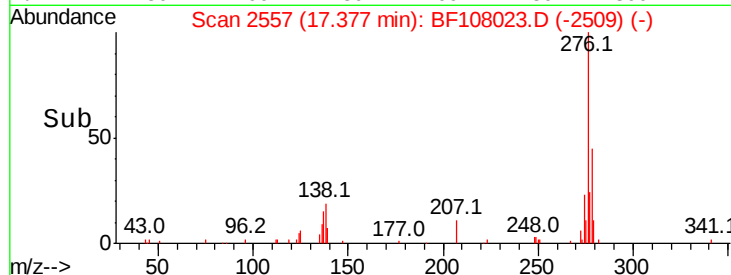
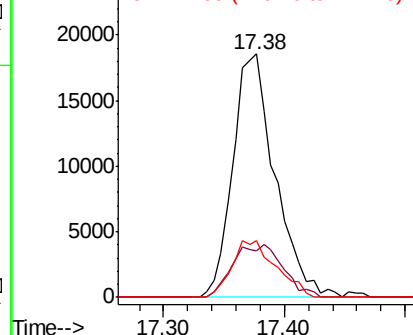


Abundance

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



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

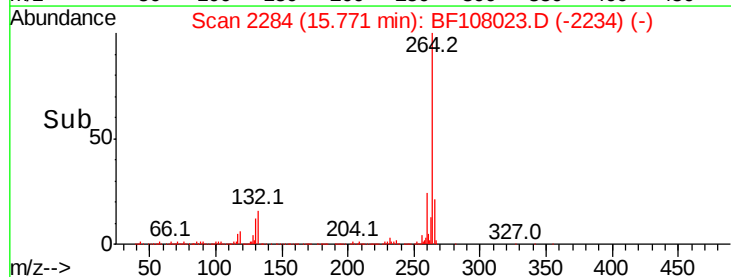
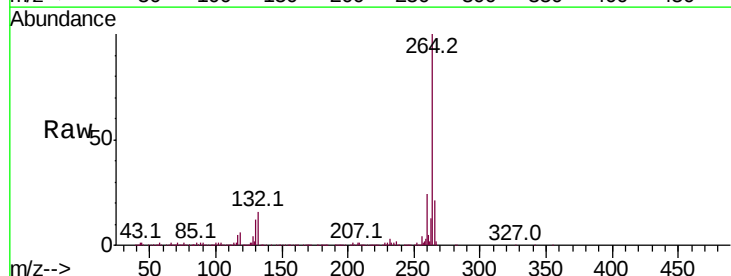
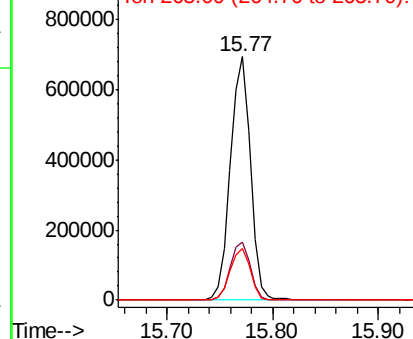
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.2	17.5	26.3

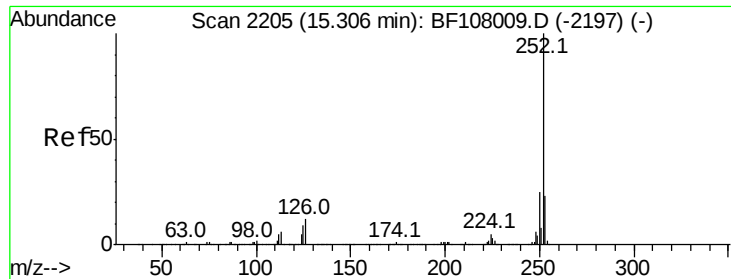
Abundance

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





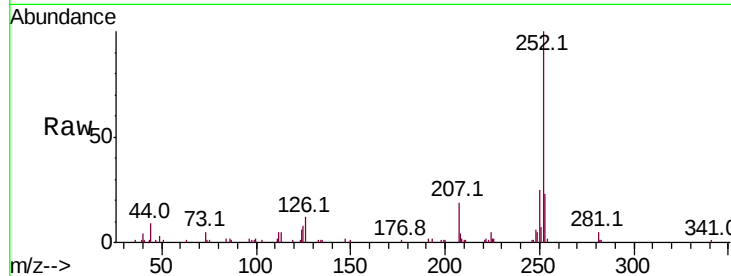
#87
Benzo(b)fluoranthene
Concen: 1.105 ng
RT: 15.29 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

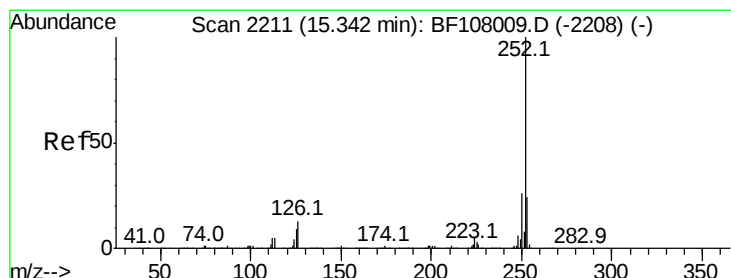
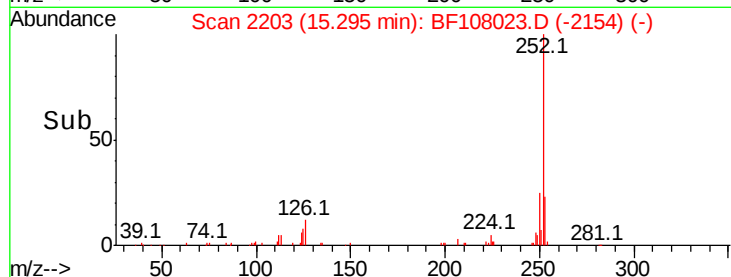
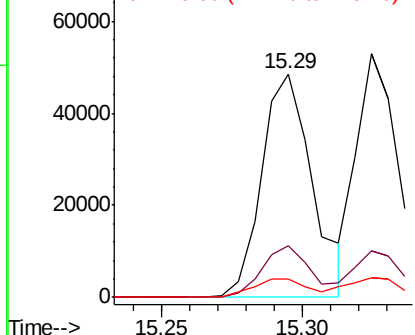
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.0	25.6
125	8.4	9.0	13.6#

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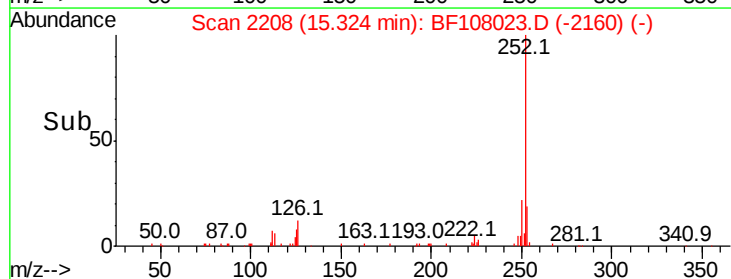
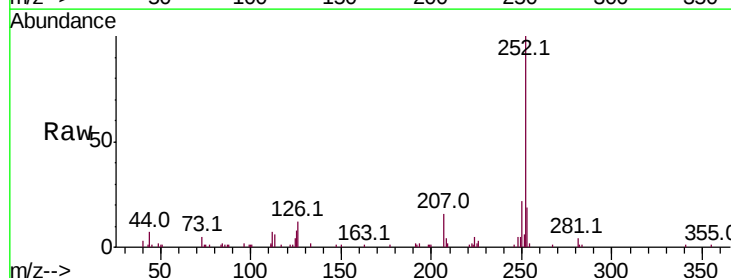
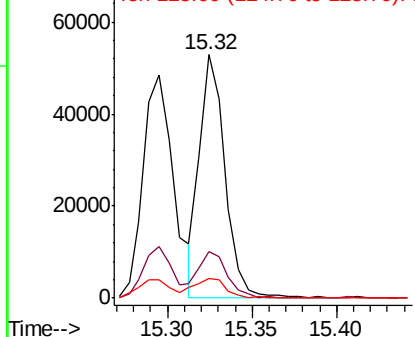
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

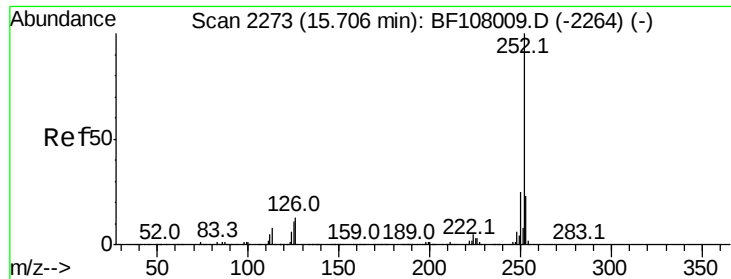


#88
Benzo(k)fluoranthene
Concen: 1.106 ng
RT: 15.32 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	18.9	17.9	26.9
125	7.9	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





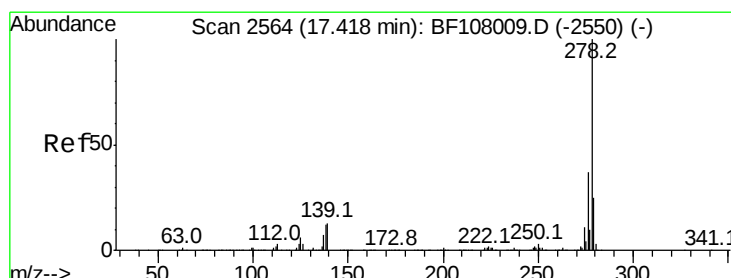
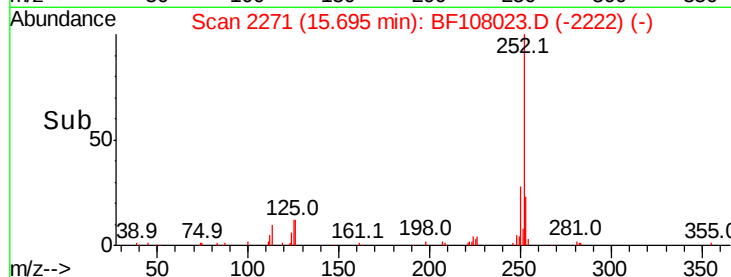
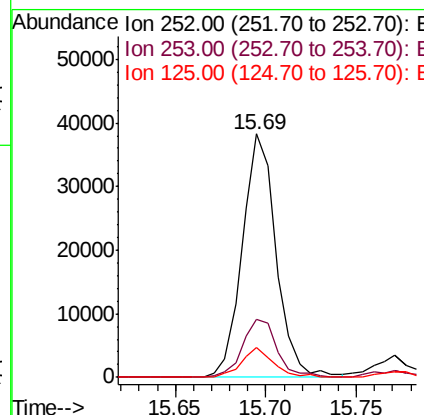
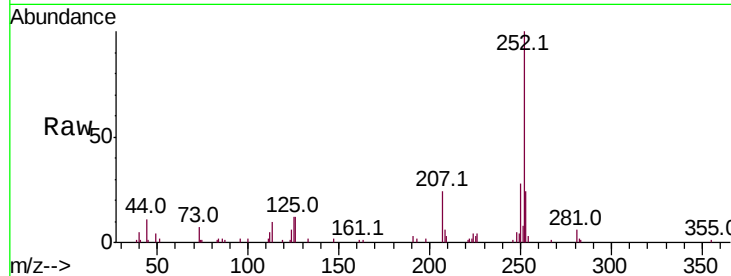
#89
Benzo(a)pyrene
Concen: 1.017 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	12.2	9.8	14.6

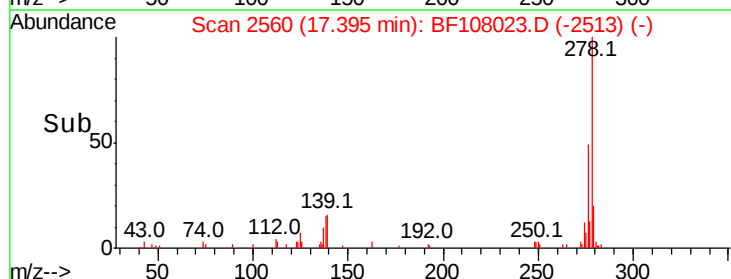
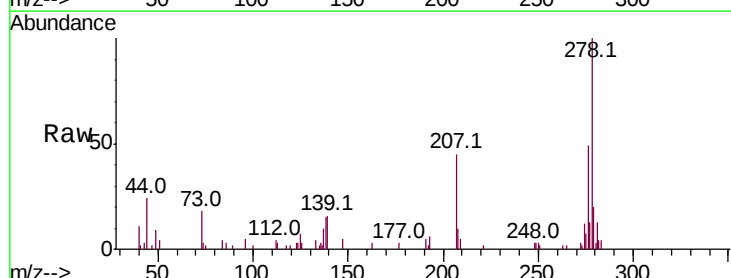
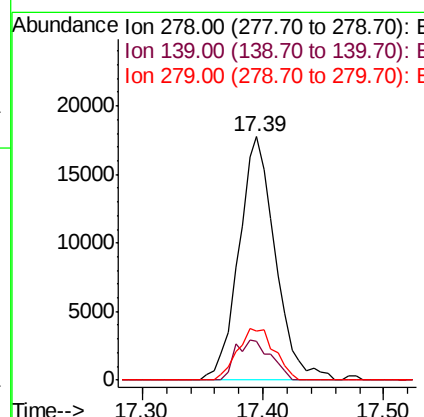
Manual Integrations
APPROVED

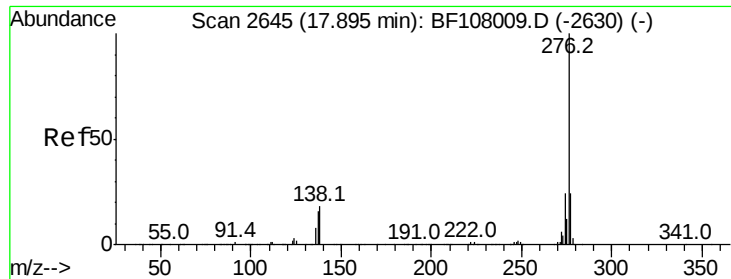
Sohil
8/9/2018 5:01:19 PM



#90
Dibenzo(a,h)anthracene
Concen: 0.924 ng
RT: 17.39 min Scan# 2560
Delta R.T. -0.02 min
Lab File: BF108023.D
Acq: 8 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	15.9	23.9#
279	20.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 0.972 ng
 RT: 17.86 min Scan# 2639
 Delta R.T. -0.04 min
 Lab File: BF108023.D
 Acq: 8 Aug 2018 16:54

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	18.4	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 8/9/2018 5:01:19 PM

