

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108026.D
 Acq On : 8 Aug 2018 18:17
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 8 PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 8/9/2018 5:01:27 PM

Quant Time: Aug 09 07:04:02 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	84344	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	343643	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	181718	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	379128	20.00	ng	0.00
75) Chrysene-d12	14.21	240	336290	20.00	ng	-0.01
86) Perylene-d12	15.77	264	284932	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	1016946	218.29	ng	0.00
7) Phenol-d6	6.62	99	1354664	218.82	ng	0.00
23) Nitrobenzene-d5	7.57	82	697859	113.32	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	396637	218.82	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1409078	124.49	ng	0.00
78) Terphenyl-d14	13.14	244	1773453	134.08	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.94	88	63365	26.470	ng	# 87
3) Pyridine	3.70	79	171228	27.768	ng	# 87
4) n-Nitrosodimethylamine	3.65	42	92324	26.608	ng	80
6) Aniline	6.67	93	154410	18.337	ng	96
8) 2-Chlorophenol	6.80	128	152375	29.041	ng	97
9) Benzaldehyde	6.57	77	121526	25.319	ng	97
10) Phenol	6.63	94	183722	28.690	ng	83
11) bis(2-Chloroethyl)ether	6.74	93	150781	29.125	ng	90
12) 1,3-Dichlorobenzene	6.95	146	172508	28.434	ng	99
13) 1,4-Dichlorobenzene	7.03	146	179503	29.448	ng	98
14) 1,2-Dichlorobenzene	7.18	146	162459	28.653	ng	97
15) Benzyl Alcohol	7.14	79	120468m	23.115	ng	
16) 2,2'-oxybis(1-Chloropropan	7.28	45	302515	28.365	ng	96
17) 2-Methylphenol	7.24	107	129022	28.674	ng	96
18) Hexachloroethane	7.53	117	60499	27.878	ng	# 88
19) n-Nitroso-di-n-propylamine	7.41	70	118454	28.295	ng	# 84
20) 3+4-Methylphenols	7.40	107	170070	29.495	ng	92
22) Acetophenone	7.41	105	228437	28.429	ng	# 93
24) Nitrobenzene	7.59	77	178138	28.606	ng	95
25) Isophorone	7.82	82	315450	26.874	ng	98
26) 2-Nitrophenol	7.91	139	54250	23.068	ng	91
27) 2,4-Dimethylphenol	7.93	122	148810	28.564	ng	99
28) bis(2-Chloroethoxy)methane	8.03	93	191749	27.983	ng	99
29) 2,4-Dichlorophenol	8.14	162	132363	27.609	ng	96
30) 1,2,4-Trichlorobenzene	8.23	180	147037	27.817	ng	99
31) Naphthalene	8.32	128	462645	29.603	ng	99
32) Benzoic acid	7.98	122	49686m	20.364	ng	
33) 4-Chloroaniline	8.36	127	126580	18.586	ng	98
34) Hexachlorobutadiene	8.43	225	90701	27.105	ng	99
35) Caprolactam	8.70	113	38560	25.665	ng	# 79
36) 4-Chloro-3-methylphenol	8.82	107	144626	27.963	ng	95
37) 2-Methylnaphthalene	9.01	142	320419	28.979	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	160433	28.750	ng	98
40) Hexachlorocyclopentadiene	9.16	237	91909	25.499	ng	97

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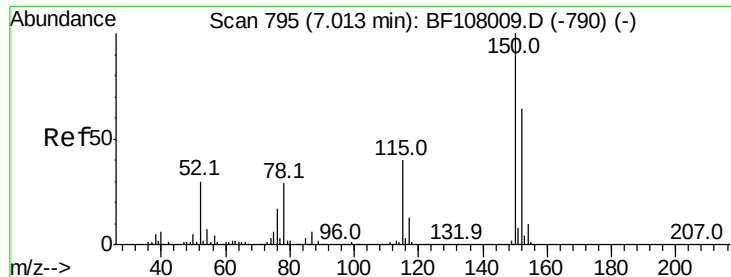
Manual Integrations
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 8/9/2018 5:01:27 PM

Quant Time: Aug 09 07:04:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	85981	24.829	nq	95
43) 2,4,5-Trichlorophenol	9.32	196	108962	28.584	nq	# 94
45) 1,1'-Biphenyl	9.47	154	400850	29.919	nq	98
46) 2-Chloronaphthalene	9.50	162	314572	29.706	nq	97
47) 2-Nitroaniline	9.59	65	94291	27.520	nq	84
48) Acenaphthylene	9.92	152	507654	30.324	nq	99
49) Dimethylphthalate	9.77	163	374498	29.586	nq	# 99
50) 2,6-Dinitrotoluene	9.83	165	74728	28.217	nq	89
51) Acenaphthene	10.10	154	299573	29.216	nq	99
52) 3-Nitroaniline	10.00	138	66588	22.980	nq	99
53) 2,4-Dinitrophenol	10.10	184	14260	20.146	nq	# 1
54) Dibenzofuran	10.27	168	457894	30.823	nq	99
55) 4-Nitrophenol	10.14	139	56538	25.767	nq	92
56) 2,4-Dinitrotoluene	10.23	165	97962	28.737	nq	# 87
57) Fluorene	10.61	166	356934	30.352	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.38	232	87355	27.417	nq	# 88
59) Diethylphthalate	10.47	149	373391	30.463	nq	96
60) 4-Chlorophenyl-phenylether	10.60	204	181278	29.583	nq	91
61) 4-Nitroaniline	10.61	138	79427	27.725	nq	92
62) Azobenzene	10.76	77	380873	30.088	nq	92
64) 4,6-Dinitro-2-methylphenol	10.64	198	24783	20.826	nq	92
65) n-Nitrosodiphenylamine	10.71	169	327891	29.267	nq	97
66) 4-Bromophenyl-phenylether	11.10	248	119026	28.889	nq	# 82
67) Hexachlorobenzene	11.16	284	122361	28.226	nq	# 88
68) Atrazine	11.24	200	106511	28.344	nq	95
69) Pentachlorophenol	11.35	266	43189	20.815	nq	97
70) Phenanthrene	11.58	178	565872	31.645	nq	98
71) Anthracene	11.63	178	570447	31.125	nq	100
72) Carbazole	11.78	167	501050	30.770	nq	99
73) Di-n-butylphthalate	12.11	149	578059	31.341	nq	99
74) Fluoranthene	12.77	202	622462	31.895	nq	96
76) Benzidine	12.89	184	139981	11.141	nq	# 95
77) Pyrene	13.01	202	627685	29.482	nq	98
79) Butylbenzylphthalate	13.61	149	226593	26.803	nq	93
80) Benzo(a)anthracene	14.19	228	569937	29.531	nq	99
81) 3,3'-Dichlorobenzidine	14.15	252	100372	14.512	nq	# 96
82) Chrysene	14.24	228	537233	30.363	nq	99
83) Bis(2-ethylhexyl)phthalate	14.17	149	327810	28.633	nq	# 99
84) Di-n-octyl phthalate	14.79	149	493366	28.257	nq	# 95
85) Indeno(1,2,3-cd)pyrene	17.37	276	417161	27.211	nq	# 91
87) Benzo(b)fluoranthene	15.29	252	522261	30.675	nq	97
88) Benzo(k)fluoranthene	15.33	252	476028	30.415	nq	# 96
89) Benzo(a)pyrene	15.69	252	450988	29.580	nq	98
90) Dibenzo(a,h)anthracene	17.39	278	350771	27.806	nq	# 94
91) Benzo(g,h,i)perylene	17.87	276	337937	27.206	nq	# 90

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



#1

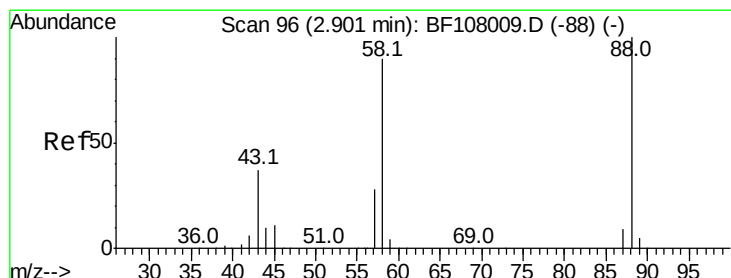
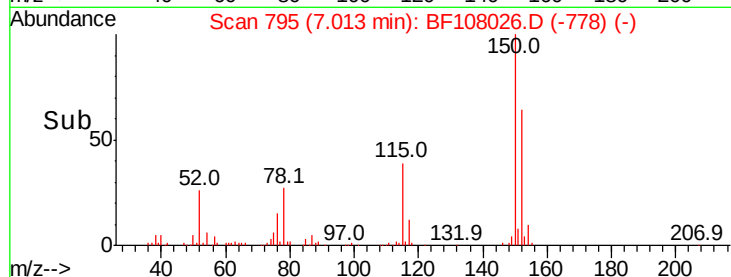
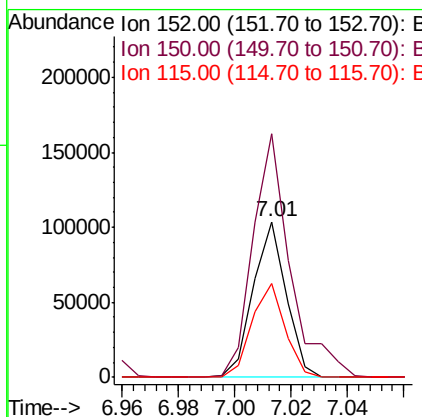
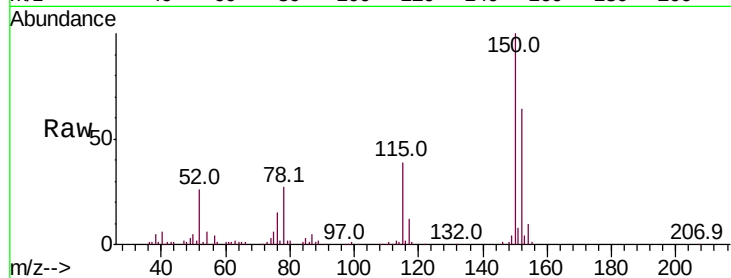
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	60.3	50.1	75.1

Manual Integrations
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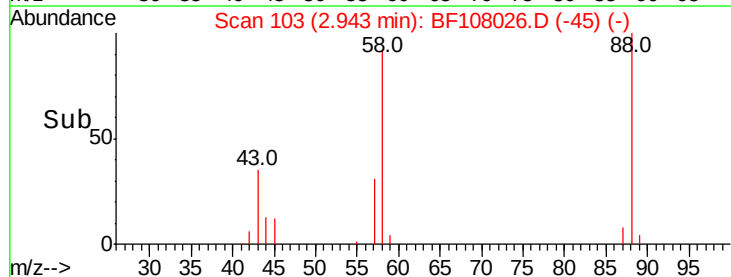
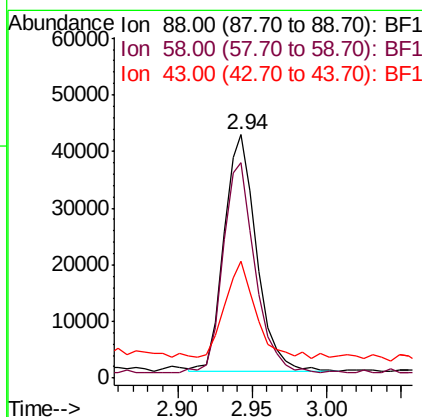
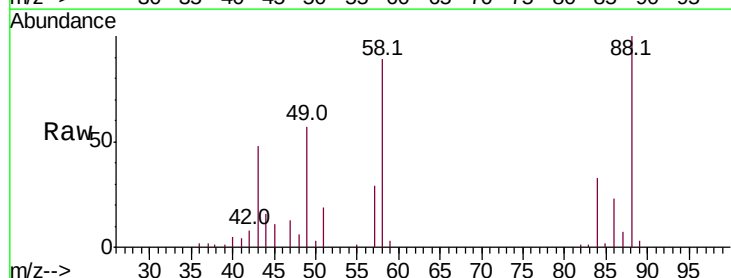
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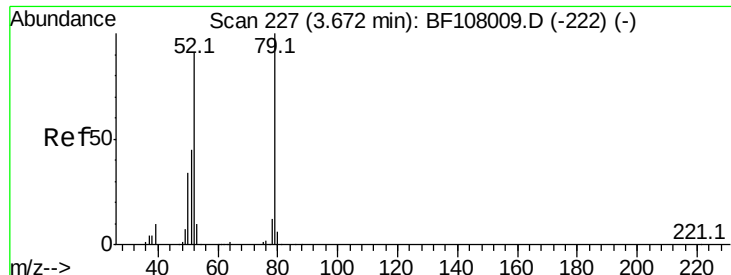


#2

1,4-Dioxane
Concen: 26.470 ng
RT: 2.94 min Scan# 103
Delta R.T. 0.04 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.8	62.6	93.8
43	40.0	24.6	37.0





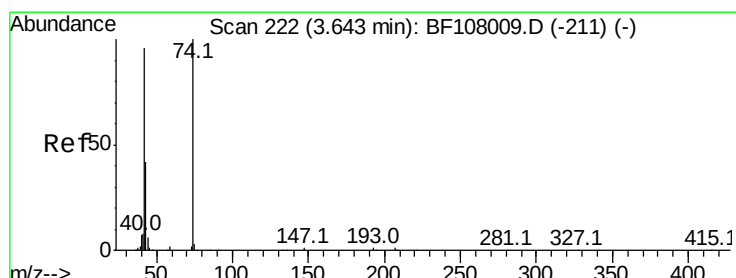
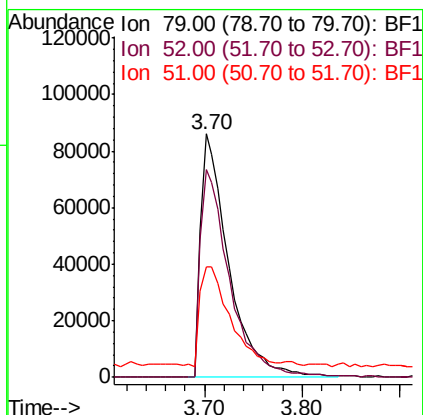
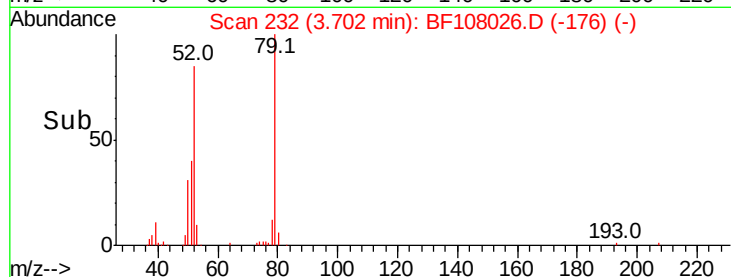
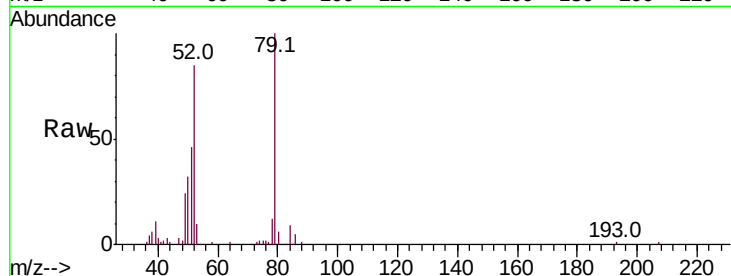
#3
Pvridine
Concen: 27.768 ng
RT: 3.70 min Scan# 232
Delta R.T. 0.03 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
52	85.1	59.8	89.6	
51	45.5	29.8	44.8	

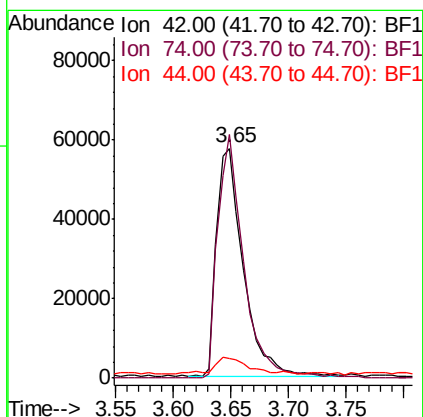
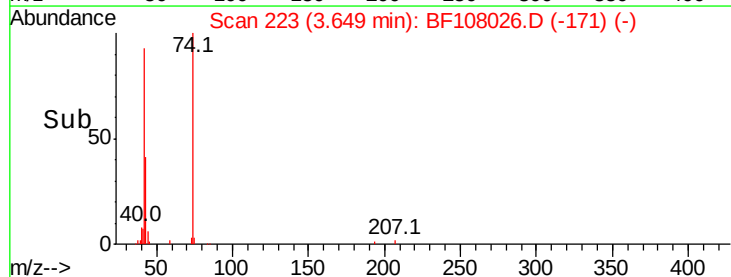
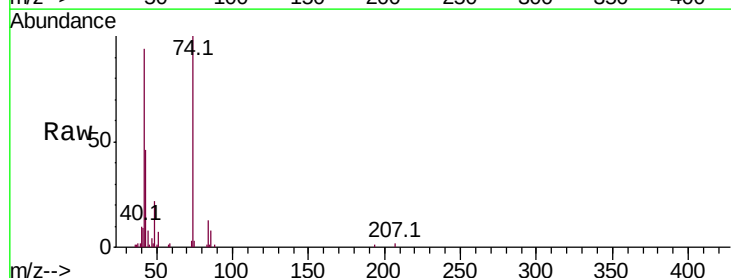
Manual Integrations
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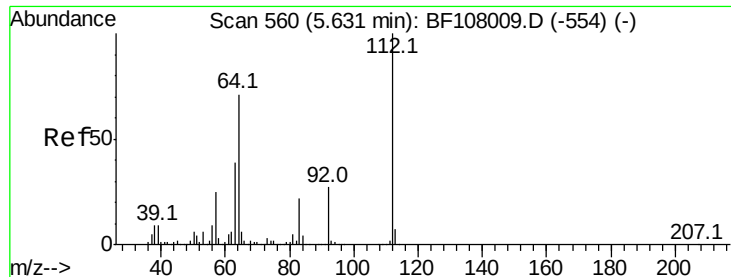
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#4
n-Nitrosodimethylamine
Concen: 26.608 ng
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
74	106.0	104.9	157.3	
44	8.7	6.9	10.3	





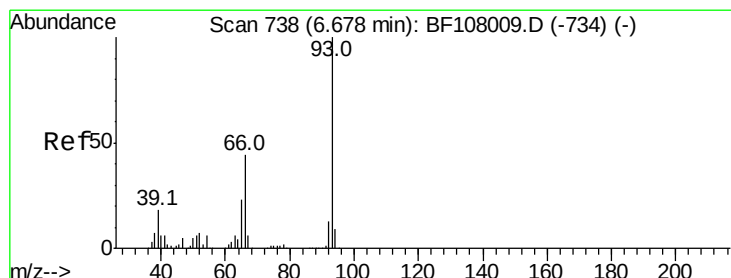
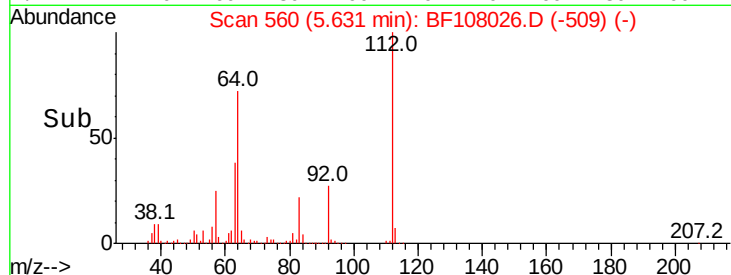
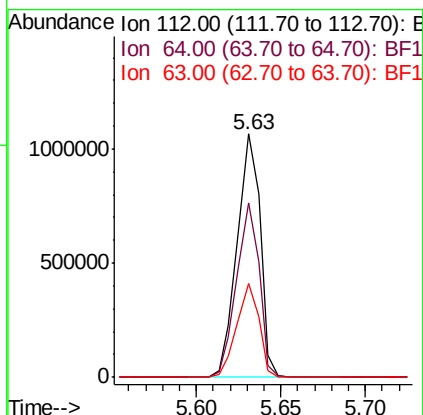
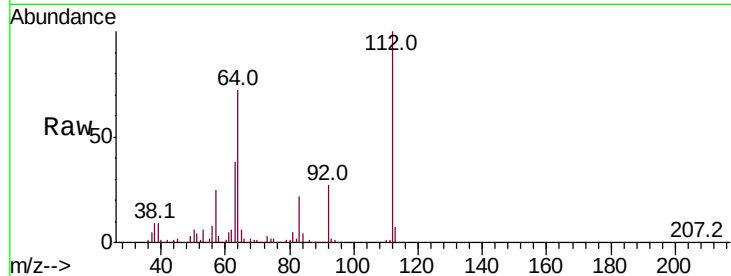
#5
2-Fluorophenol
Concen: 218.289 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
112	100		
64	71.8	47.9	71.9
63	38.3	23.7	35.5

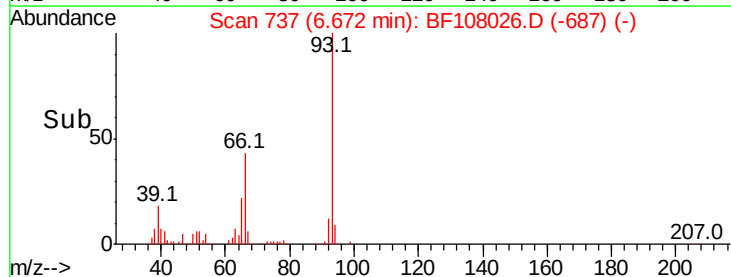
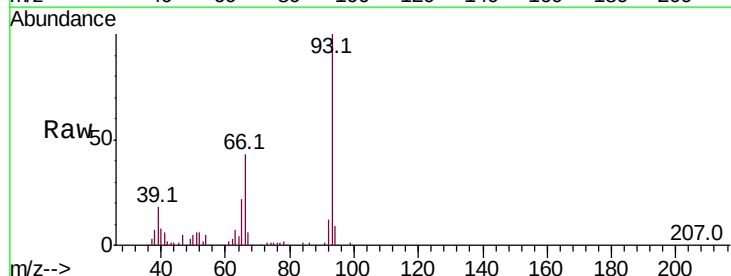
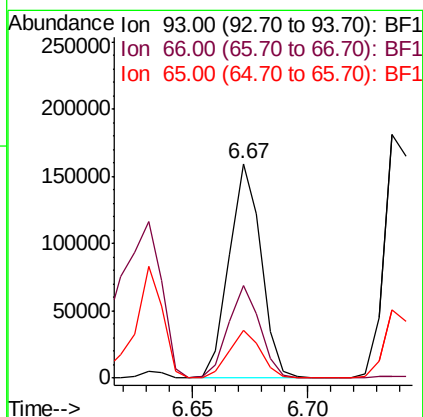
Manual Integrations
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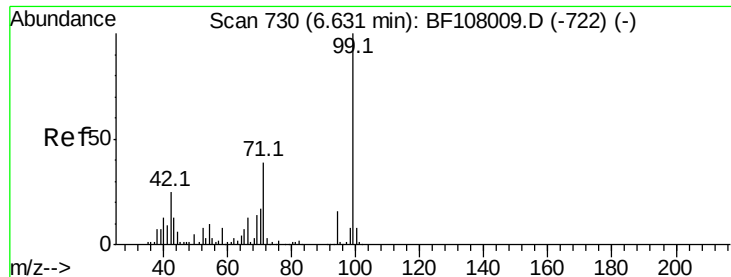
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#6
Aniline
Concen: 18.337 ng
RT: 6.67 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
93	100		
66	42.9	32.2	48.2
65	22.1	16.4	24.6





#7

Phenol-d6

Concen: 218.819 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 99 Resp: 1354664

Ion Ratio Lower Upper

99 100

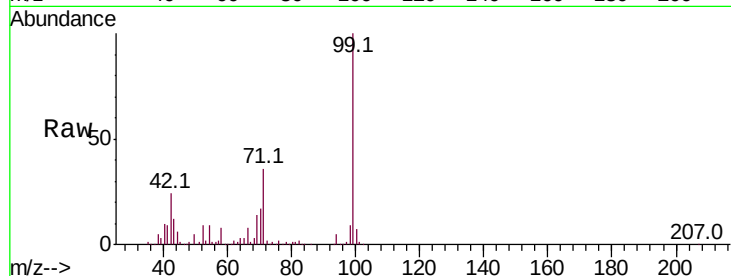
42 23.7 14.5 21.7#

71 36.3 25.4 38.0

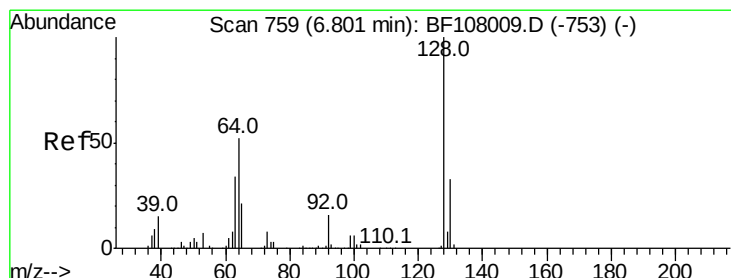
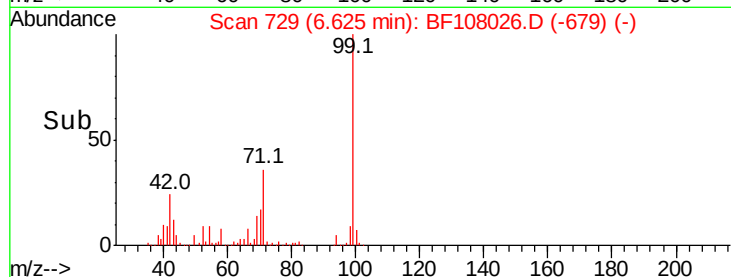
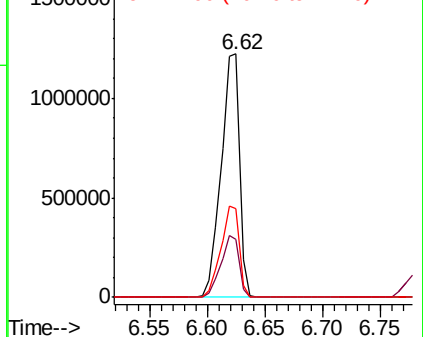
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 29.041 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

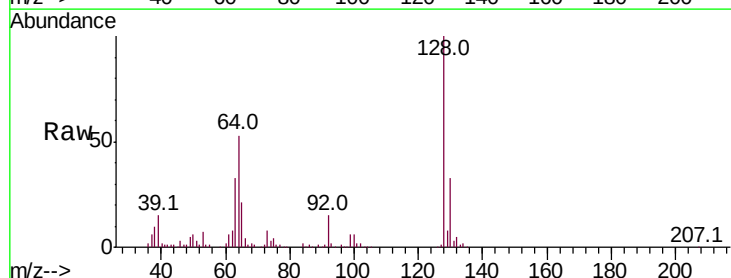
Tgt Ion:128 Resp: 152375

Ion Ratio Lower Upper

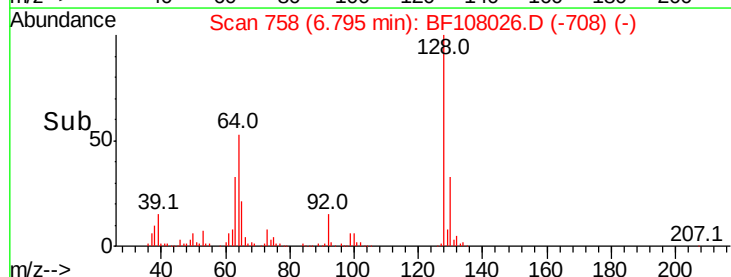
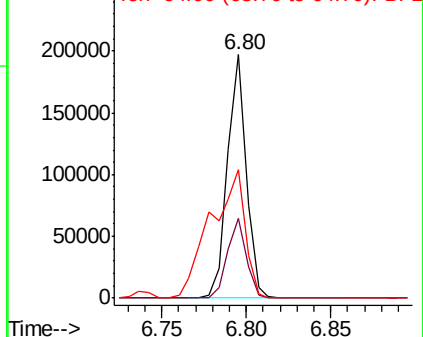
128 100

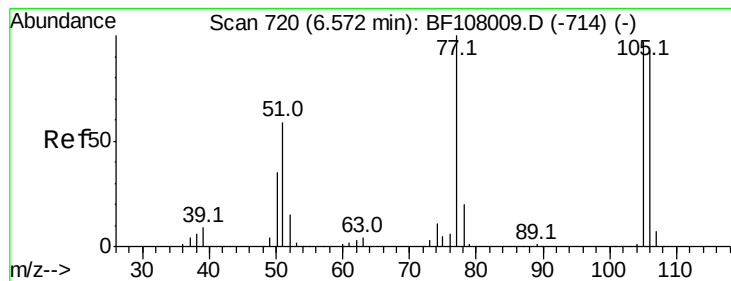
130 32.8 13.0 53.0

64 52.5 29.4 69.4



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





#9

Benzaldehyde

Concen: 25.319 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

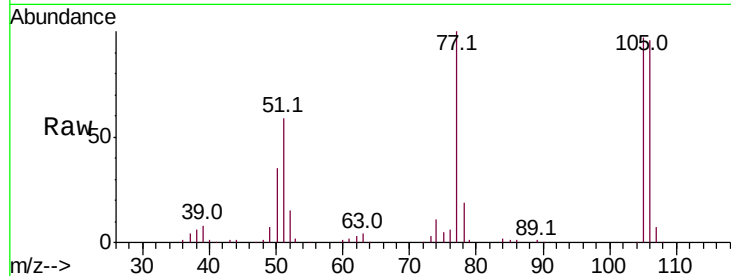
ClientSampleId :

MDL-SOIL-03-QT3-2018

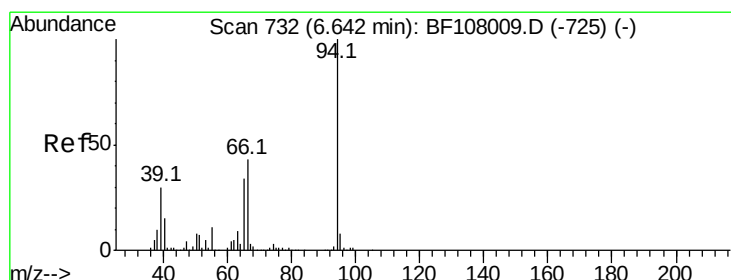
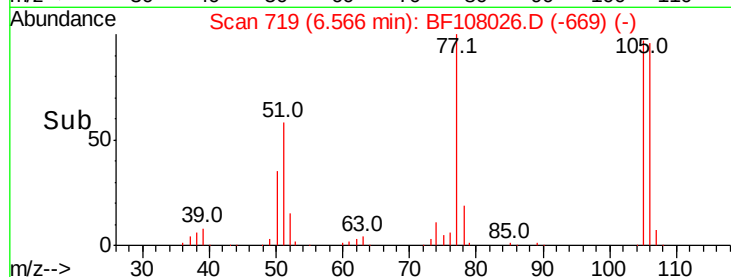
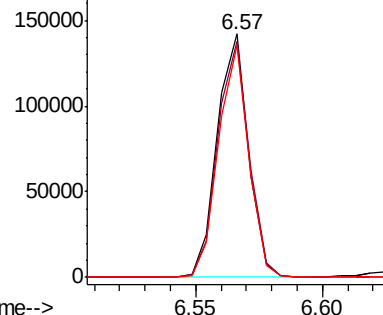
Tot Ion:	77	Resp:	121526
Ion Ratio	Lower	Upper	
77	100		
105	96.7	81.1	121.1
106	95.5	74.5	114.5

Manual Integrations
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Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 28.690 ng

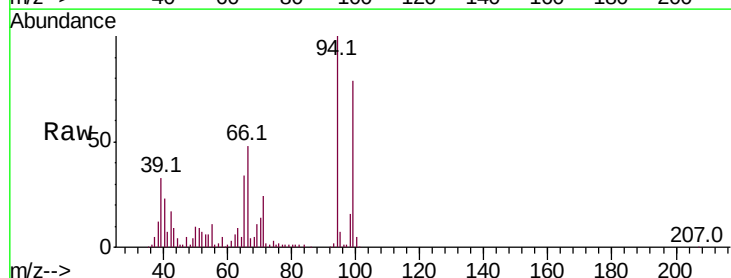
RT: 6.63 min Scan# 730

Delta R.T. -0.01 min

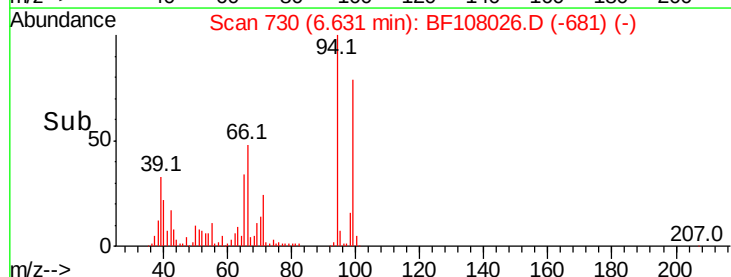
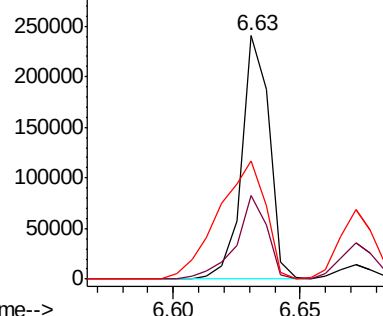
Lab File: BF108026.D

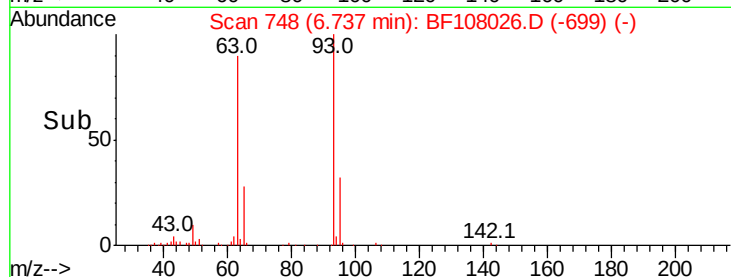
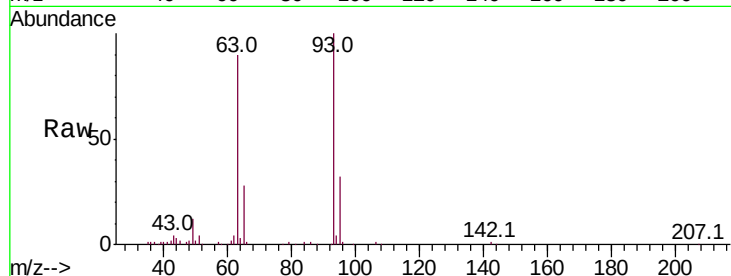
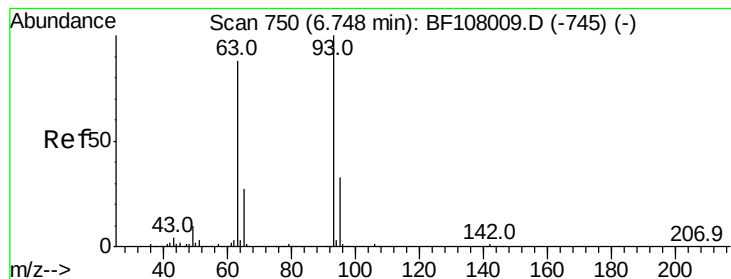
Acq: 8 Aug 2018 18:17

Tgt Ion:	94	Resp:	183722
Ion Ratio	Lower	Upper	
94	100		
65	34.4	7.9	47.9
66	48.4	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





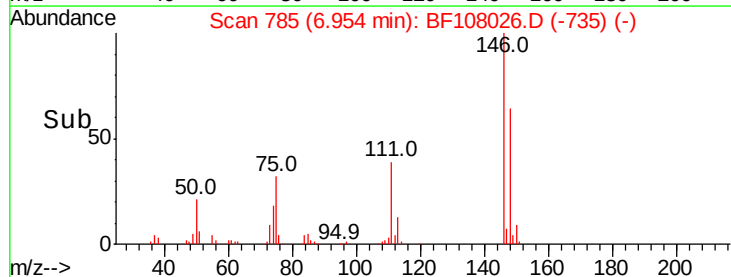
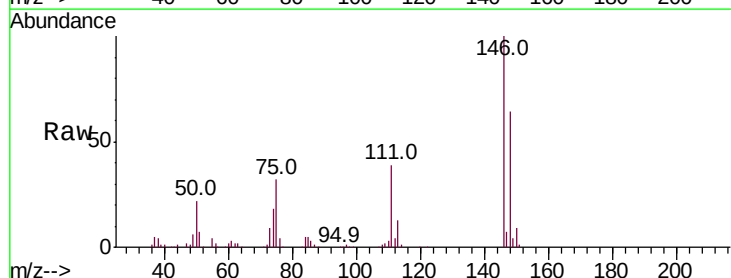
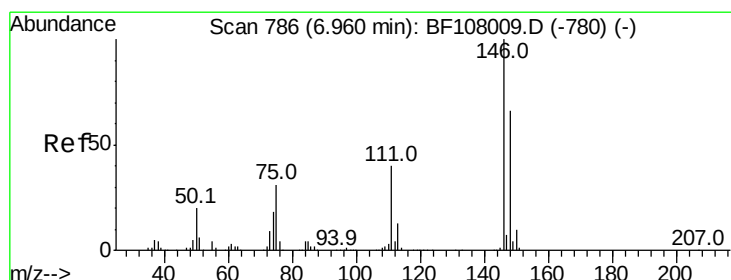
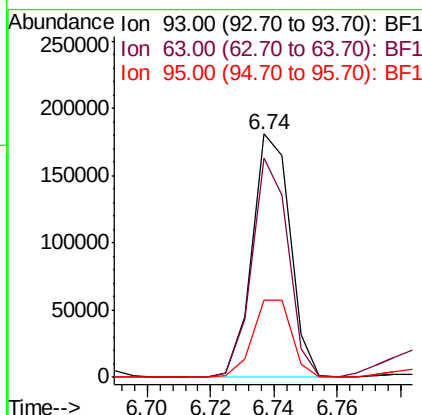
#11
bis(2-Chloroethyl)ether
Concen: 29.125 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tot Ion	93	Resp	150781
Ion	Ratio	Lower	Upper
93	100		
63	90.2	58.6	98.6
95	31.7	11.8	51.8

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

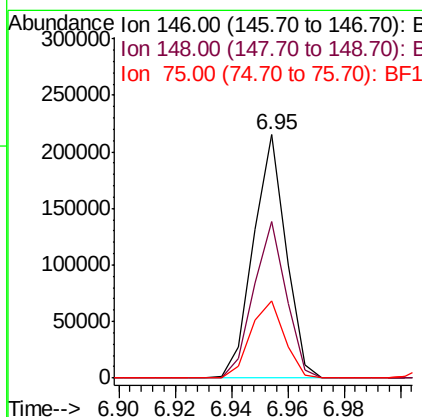
Manual Integrations
APPROVED

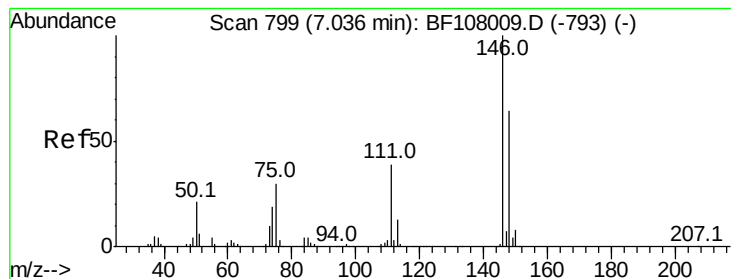
Sohil
8/9/2018 5:01:27 PM



#12
1,3-Dichlorobenzene
Concen: 28.434 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	146	Resp	172508
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.8
75	31.8	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 29.448 ng

RT: 7.03 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

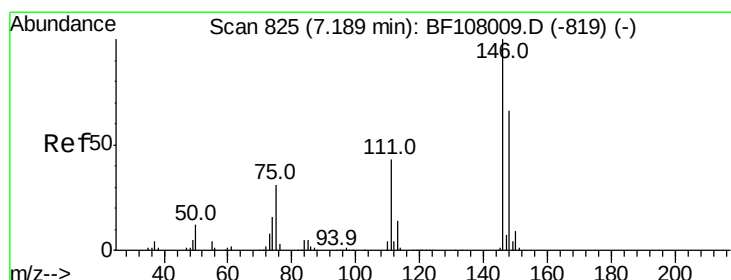
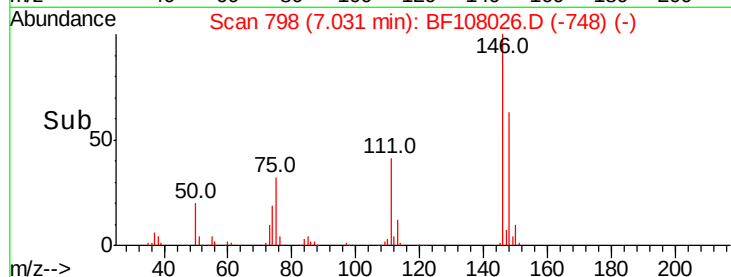
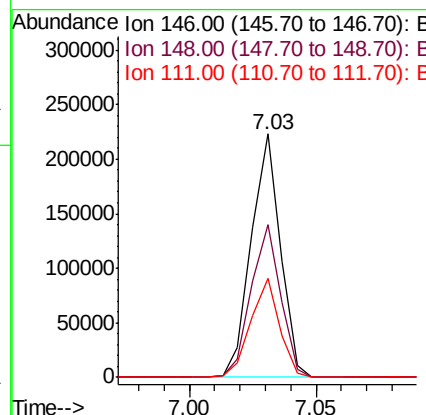
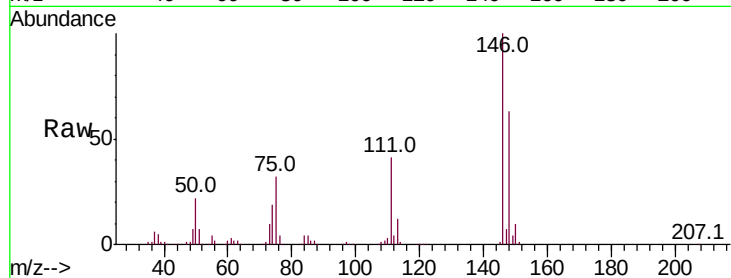
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	146	Resp:	179503
Ion Ratio	Lower	Upper	
146	100		
148	62.6	50.8	76.2
111	40.8	34.2	51.2

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 28.653 ng

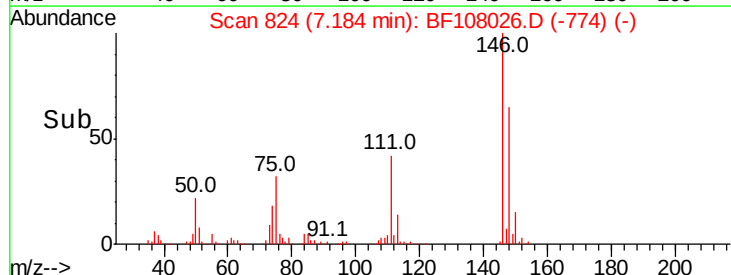
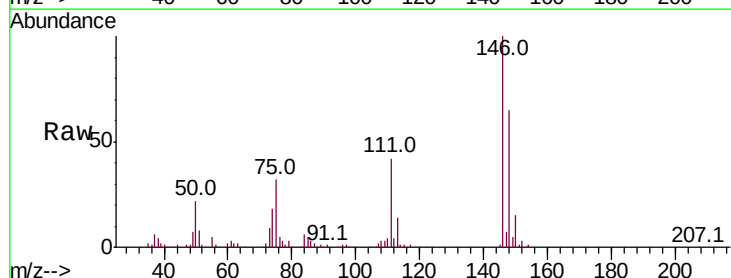
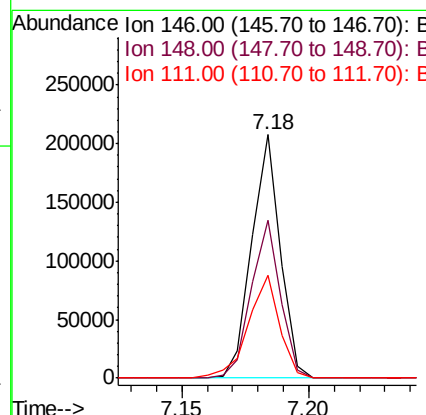
RT: 7.18 min Scan# 824

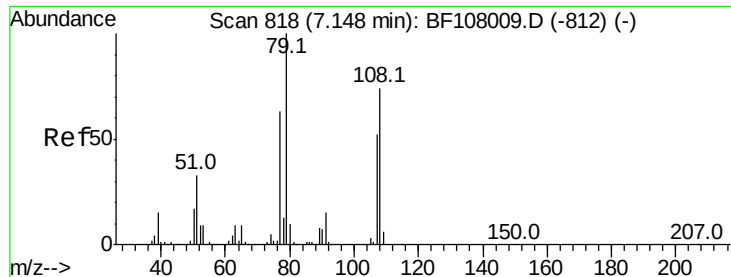
Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion:	146	Resp:	162459
Ion Ratio	Lower	Upper	
146	100		
148	65.0	50.6	75.8
111	42.1	36.0	54.0





#15

Benzyl Alcohol

Concen: 23.115 ng/mL

RT: 7.14 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

ClientSampleID :

MDL-SOIL-03-QT3-2018

Tot Ion: 79 Resp: 120468

Ion Ratio Lower Upper

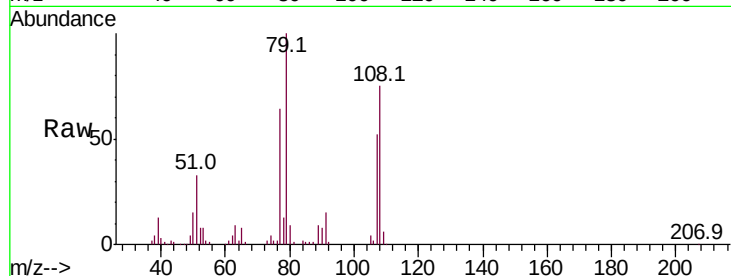
79 100

108 74.6 65.1 97.7

77 64.2 50.6 75.8

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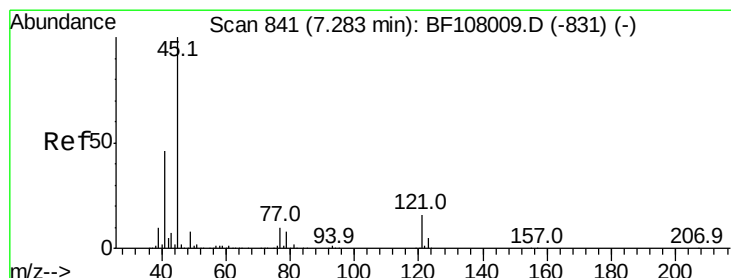
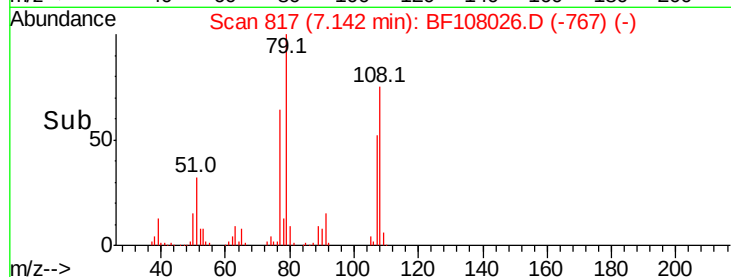
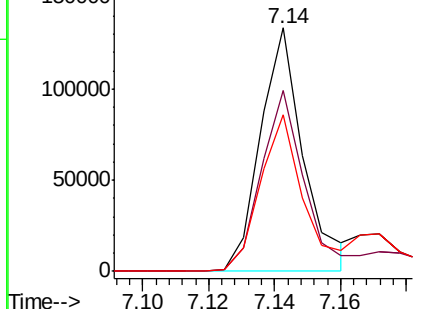
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 28.365 ng/mL

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

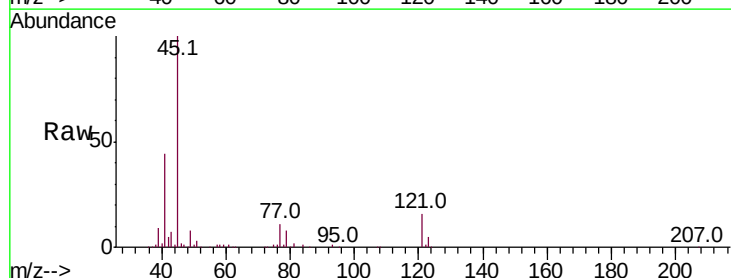
Tgt Ion: 45 Resp: 302515

Ion Ratio Lower Upper

45 100

77 11.1 0.0 32.9

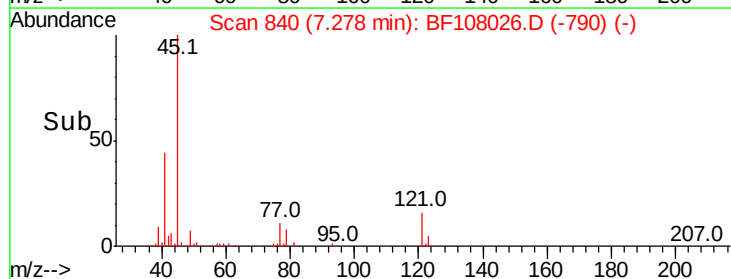
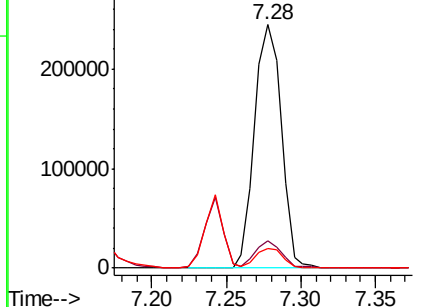
79 8.0 0.0 29.6

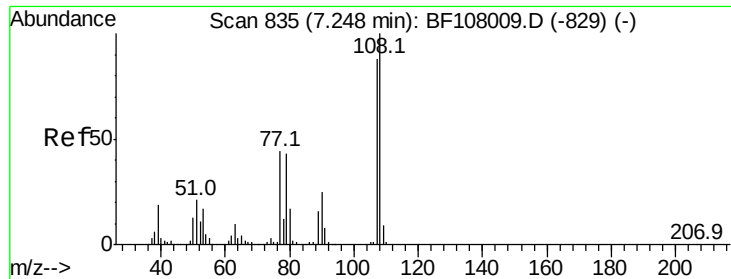


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





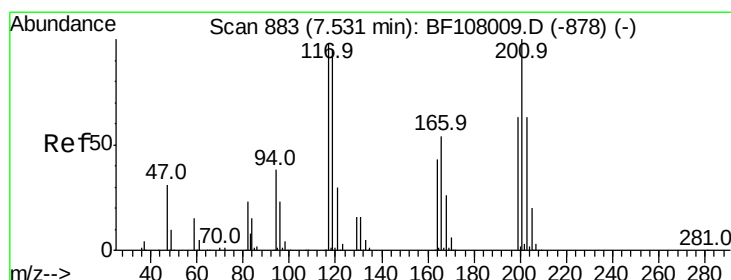
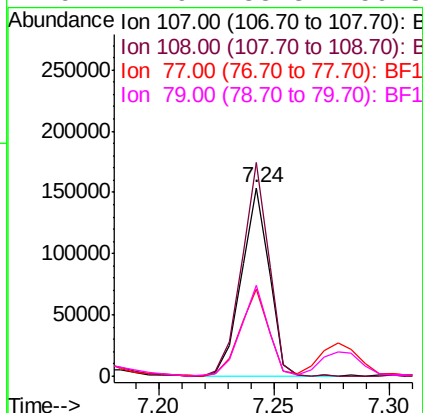
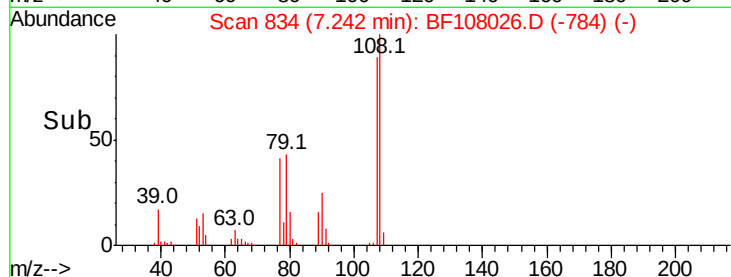
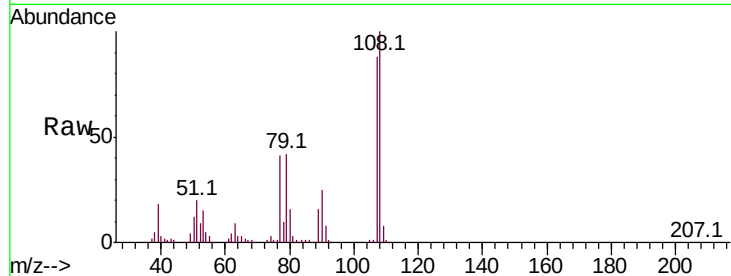
#17
2-Methylphenol
Concen: 28.674 ng
RT: 7.24 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.2	91.7	137.5	
77	46.1	33.8	50.8	
79	47.9	33.8	50.8	

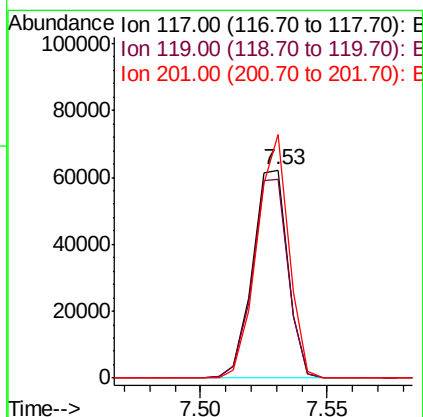
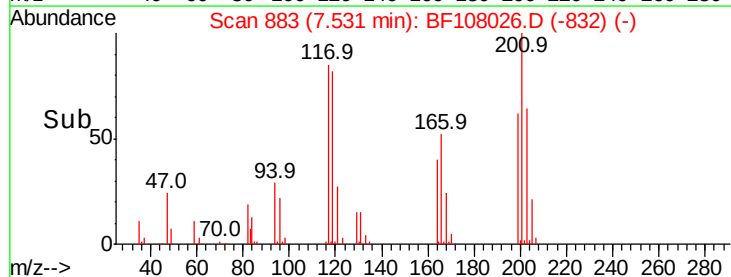
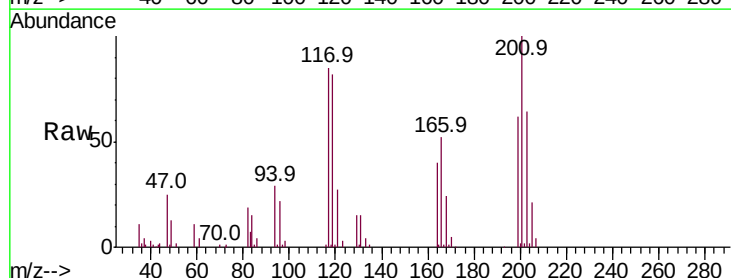
Manual Integrations
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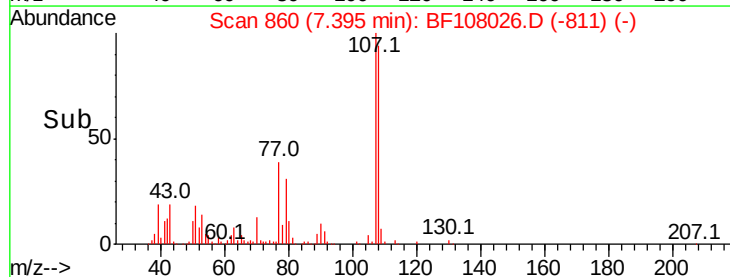
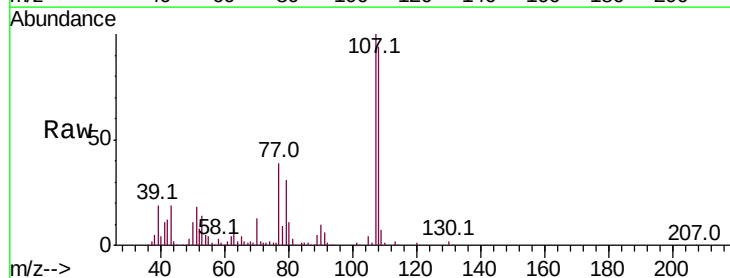
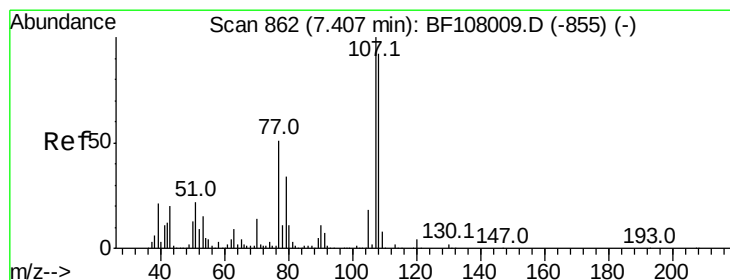
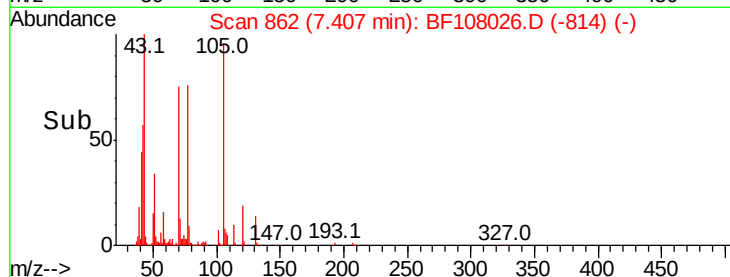
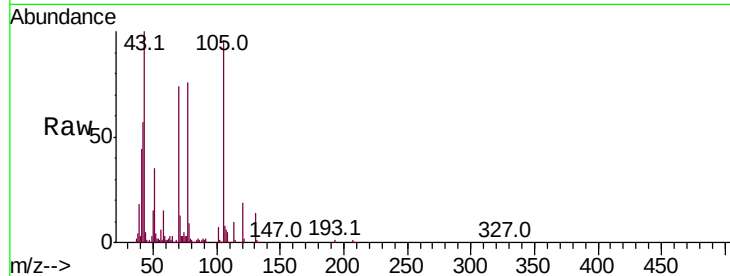
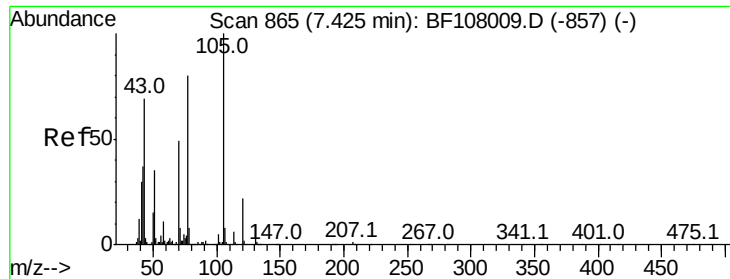
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#18
Hexachloroethane
Concen: 27.878 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.9	75.8	113.8	
201	117.1	75.7	113.5#	





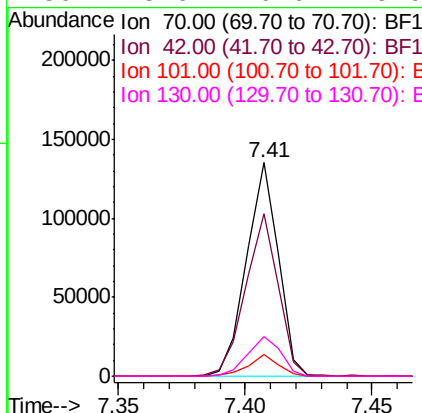
#19
n-Nitroso-di-n-propylamine
Concen: 28.295 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	76.2	47.5	71.3#
101	10.0	7.4	11.2
130	18.6	16.6	25.0

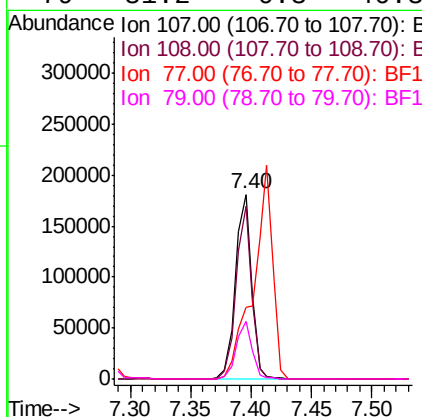
Manual Integrations
APPROVED

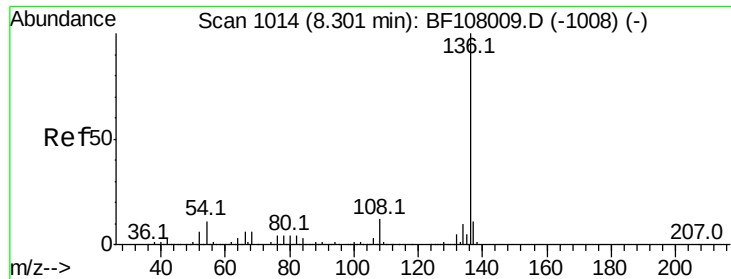
Sohil
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#20
3+4-Methylphenols
Concen: 29.495 ng
RT: 7.40 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.8	68.2	108.2
77	38.5	26.7	66.7
79	31.2	6.3	46.3





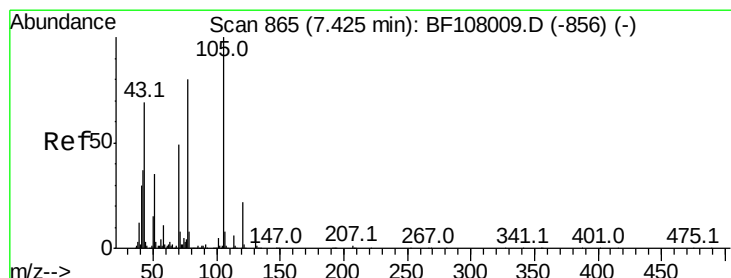
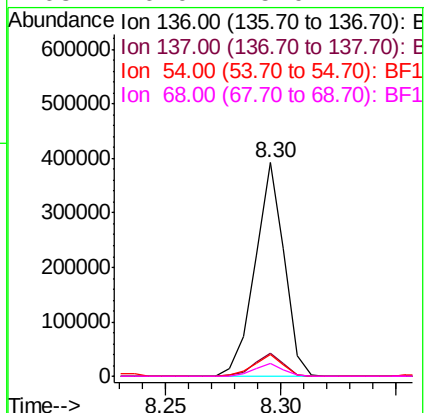
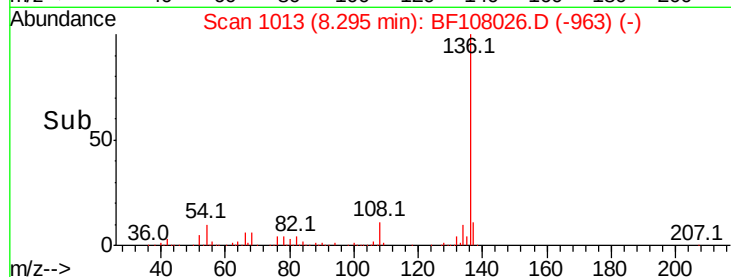
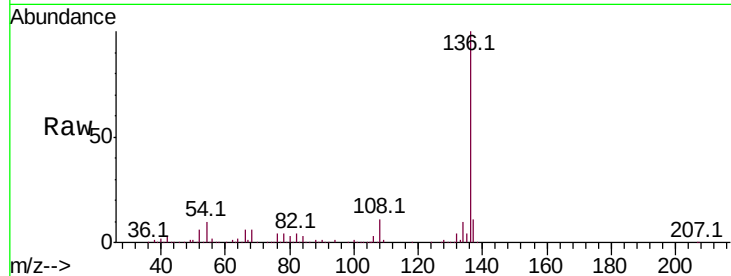
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	10.2	6.6	9.8	
68	6.0	5.0	7.4	

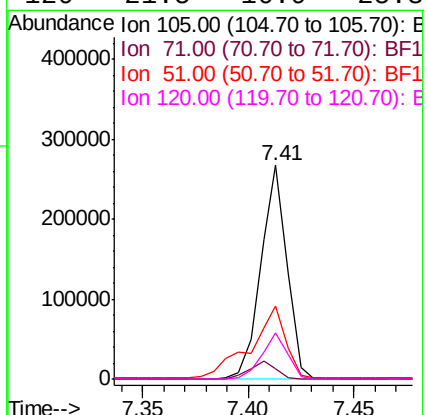
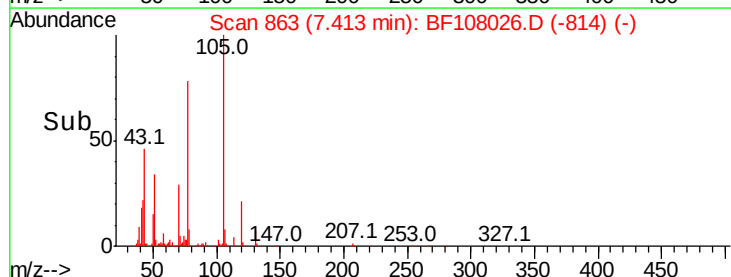
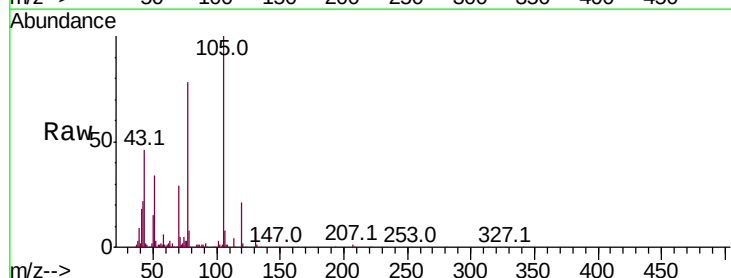
Manual Integrations
APPROVED

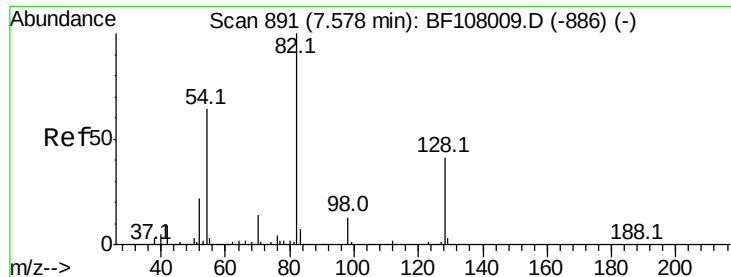
Sohil
8/9/2018 5:01:27 PM



#22
Acetophenone
Concen: 28.429 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.7	4.4	6.6	
51	34.3	22.3	33.5	
120	21.5	16.9	25.3	





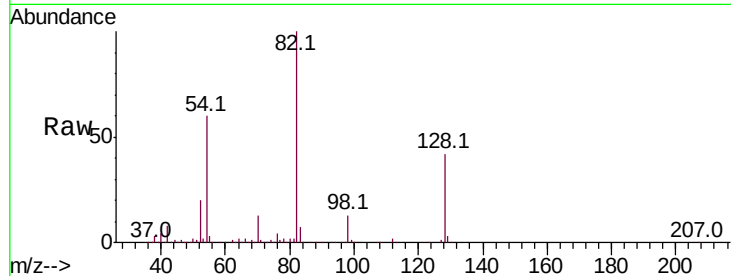
#23
Nitrobenzene-d5
Concen: 113.320 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	60.1	41.4	62.2

Manual Integrations
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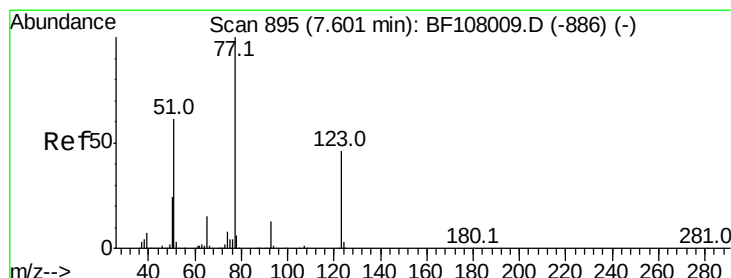
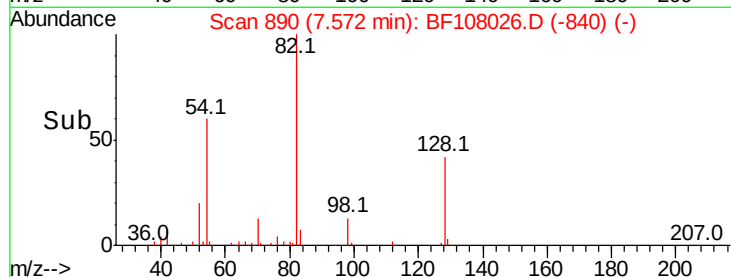
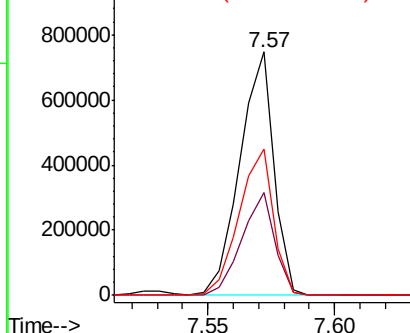


Abundance

Ion 82.00 (81.70 to 82.70): BF1

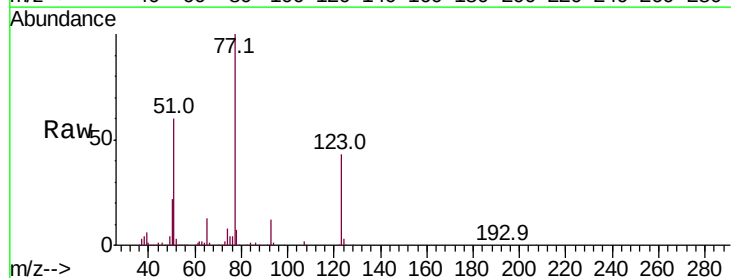
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24
Nitrobenzene
Concen: 28.606 ng
RT: 7.59 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.4	37.9	56.9
65	13.2	11.0	16.4

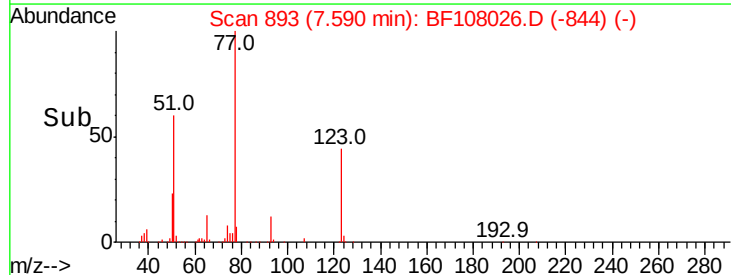
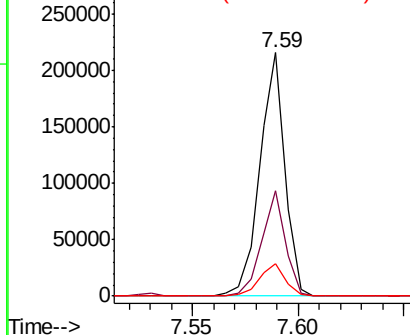


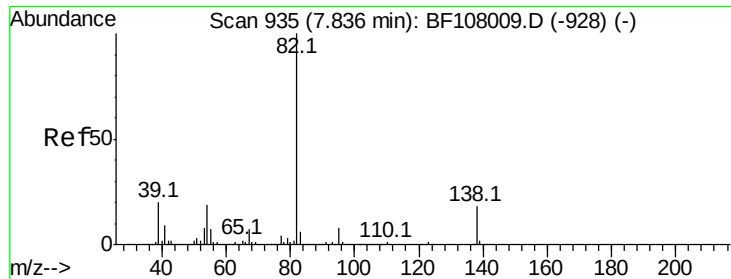
Abundance

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: 26.874 ng

RT: 7.82 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

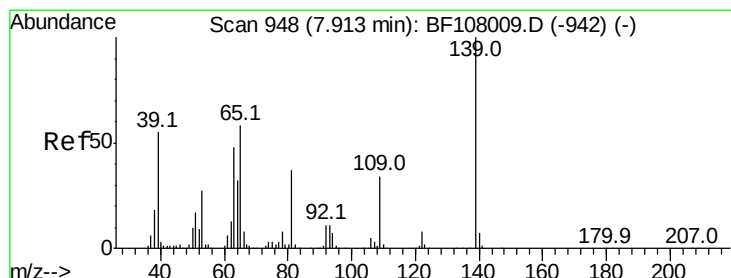
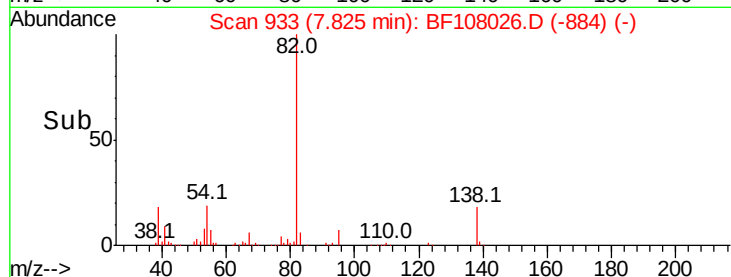
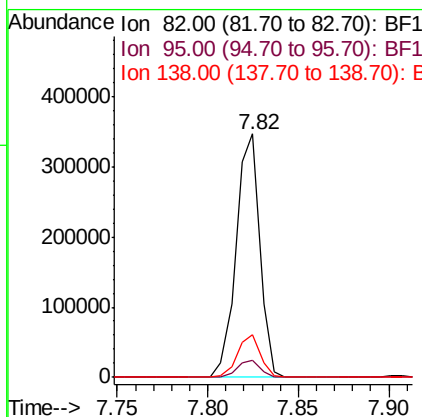
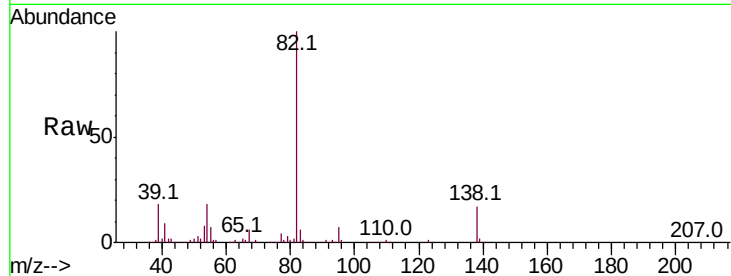
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	82	Resp:	315450
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.2	7.8
138	17.4	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 23.068 ng

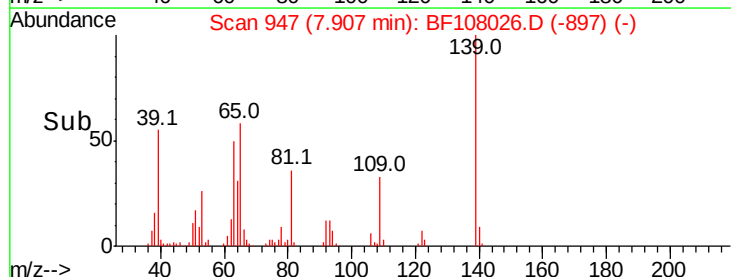
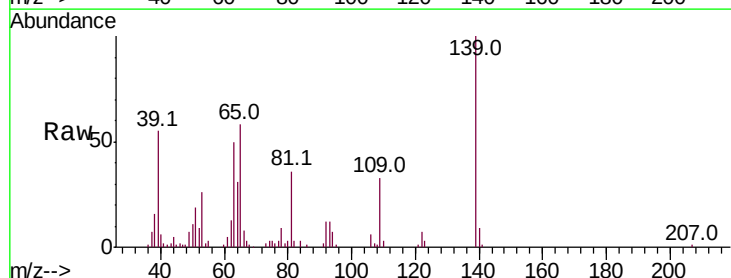
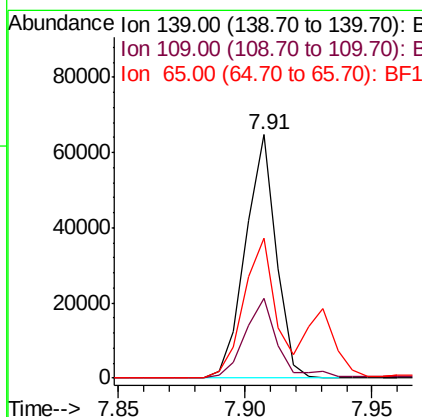
RT: 7.91 min Scan# 947

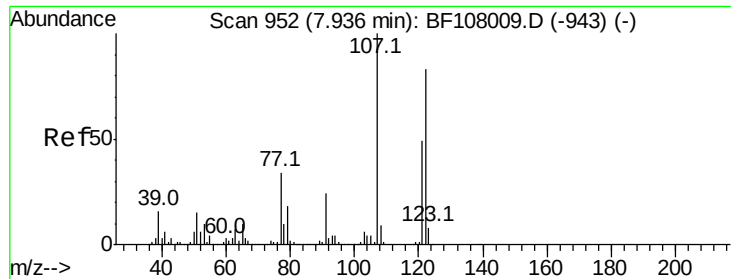
Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion:	139	Resp:	54250
Ion Ratio	Lower	Upper	
139	100		
109	32.6	22.7	34.1
65	57.7	40.5	60.7





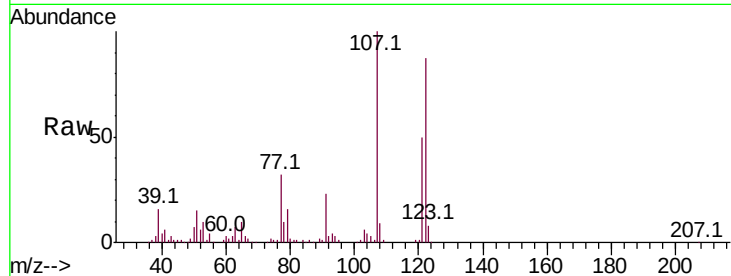
#27
2,4-Dimethylphenol
Concen: 28.564 ng
RT: 7.93 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
122	100	148810		
107	114.8	91.2	136.8	
121	56.9	47.2	70.8	

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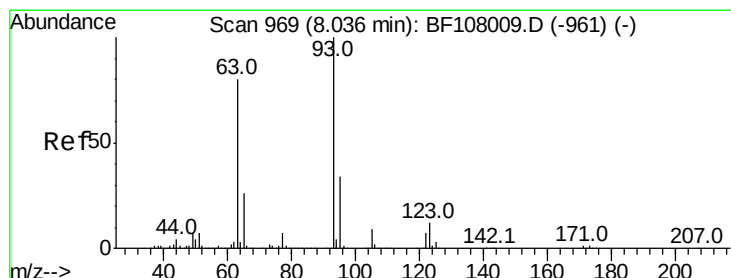
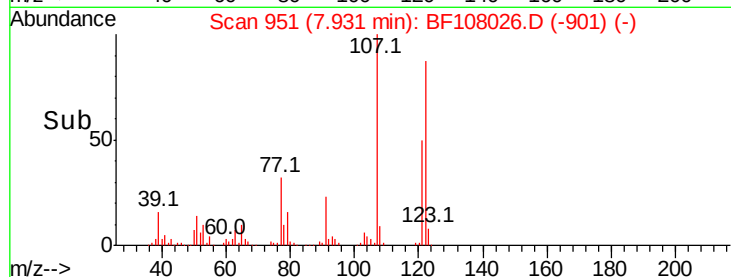
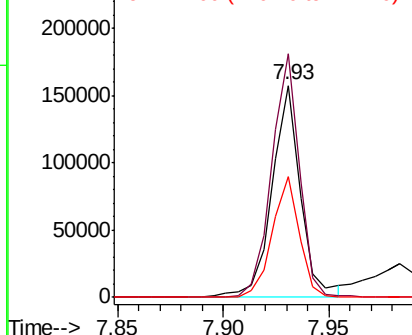


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 27.983 ng
RT: 8.03 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

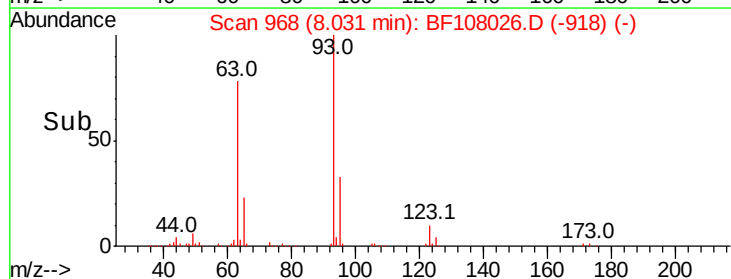
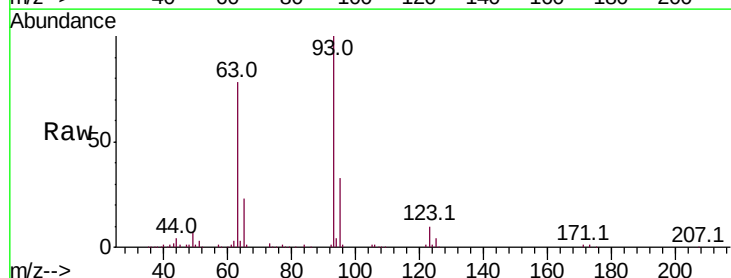
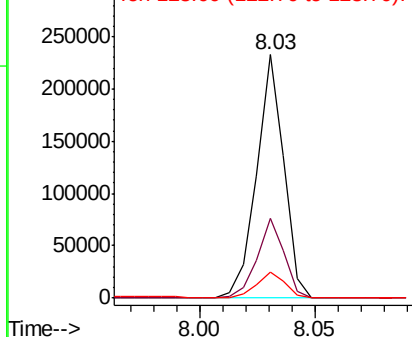
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	191749		
95	32.9	26.3	39.5	
123	10.5	9.8	14.6	

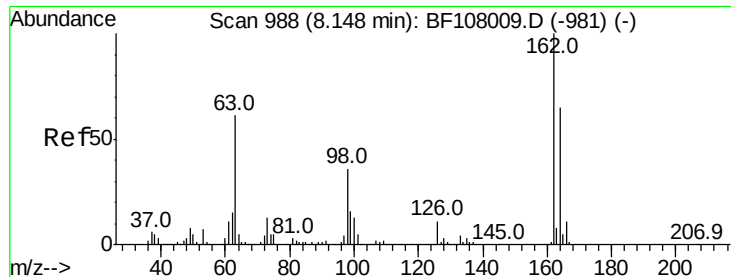
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 27.609 ng

RT: 8.14 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

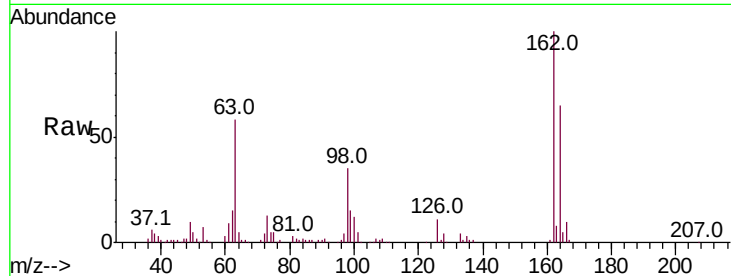
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	162	Resp:	132363
Ion Ratio	Lower	Upper	
162	100		
164	64.5	42.7	82.7
98	34.8	18.1	58.1

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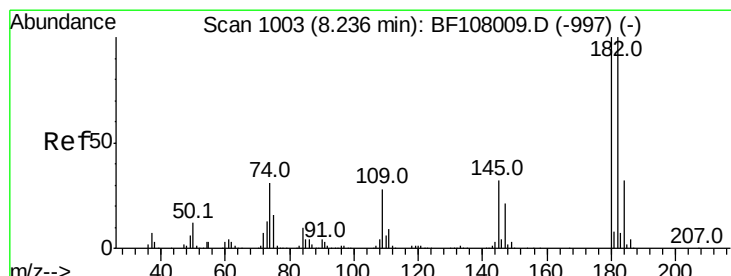
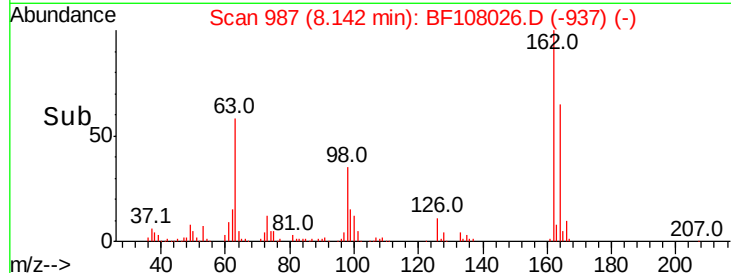
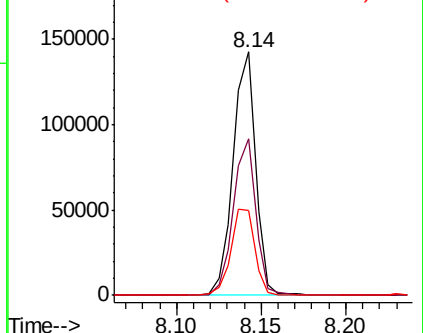
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 27.817 ng

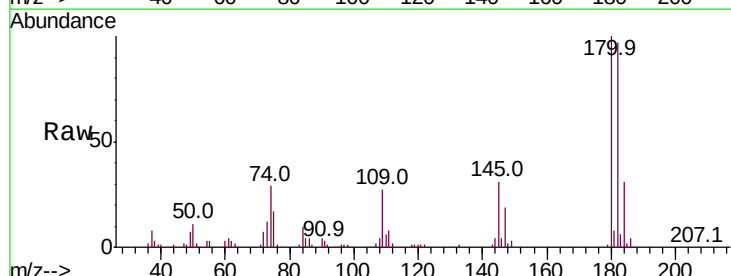
RT: 8.23 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

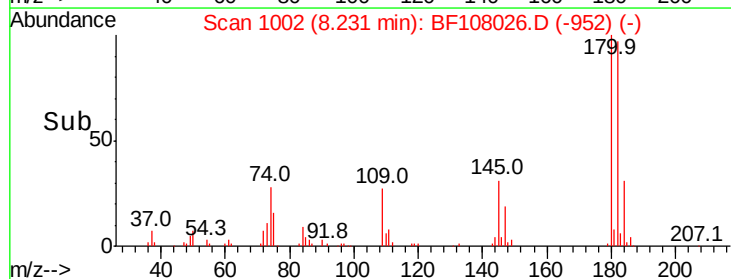
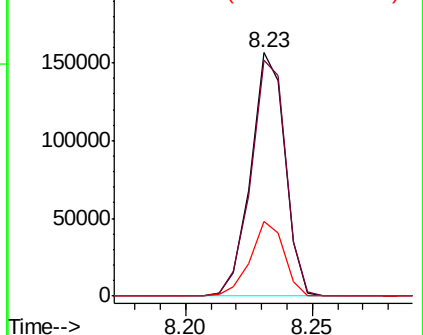
Tgt Ion:	180	Resp:	147037
Ion Ratio	Lower	Upper	
180	100		
182	96.6	76.8	115.2
145	30.9	26.5	39.7

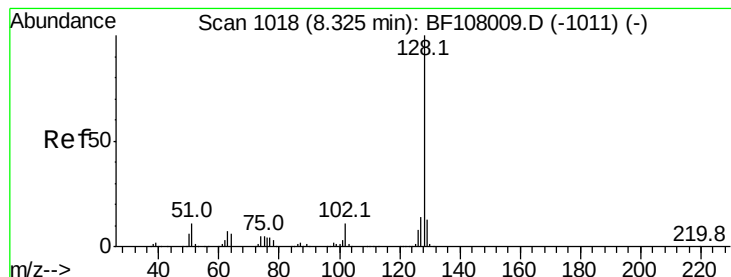


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 29.603 ng

RT: 8.32 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

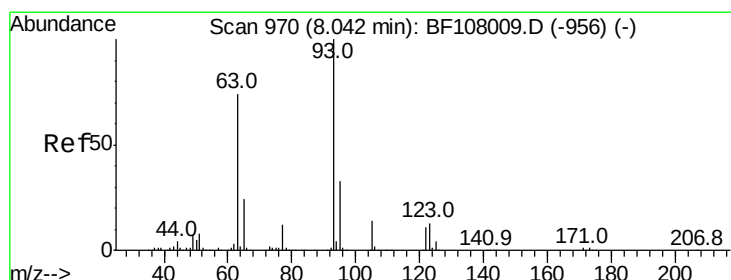
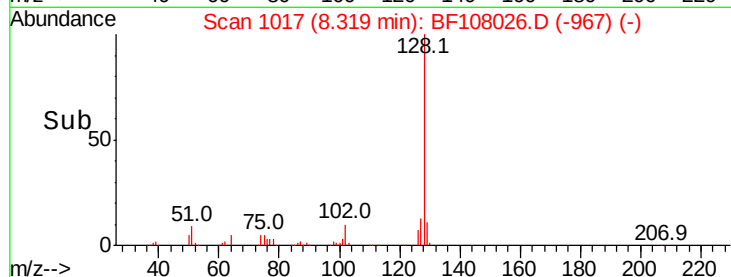
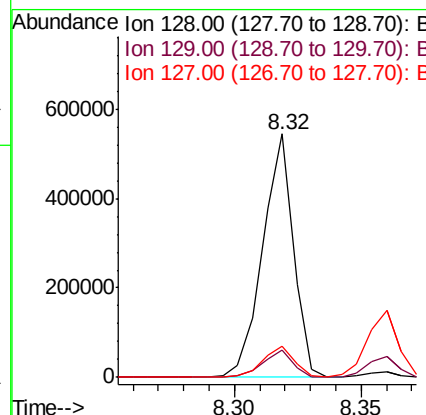
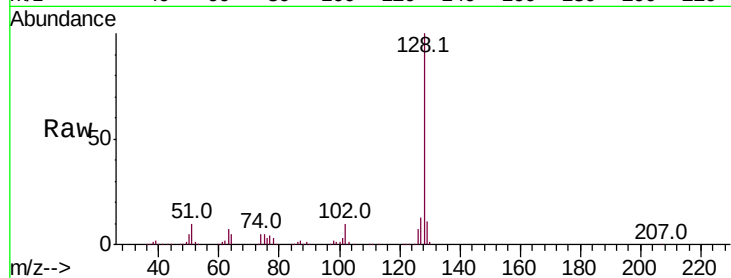
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	8.8	13.2	
127	12.9	10.9	16.3	

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#32

Benzoic acid

Concen: 20.364 ng m

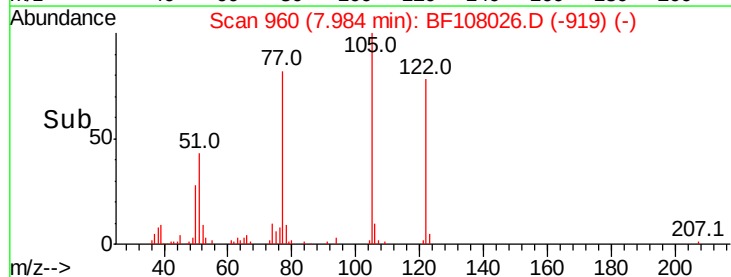
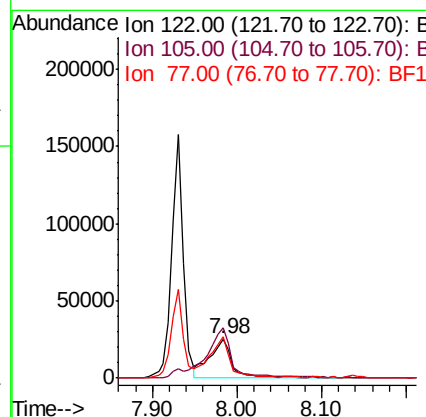
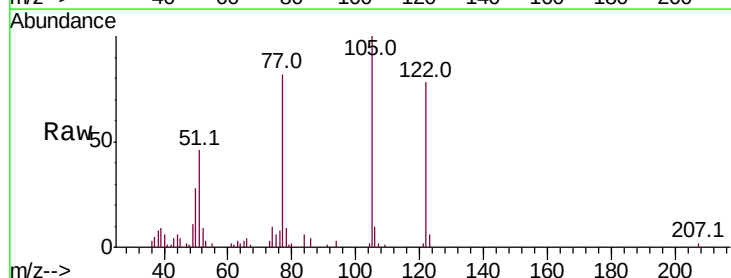
RT: 7.98 min Scan# 960

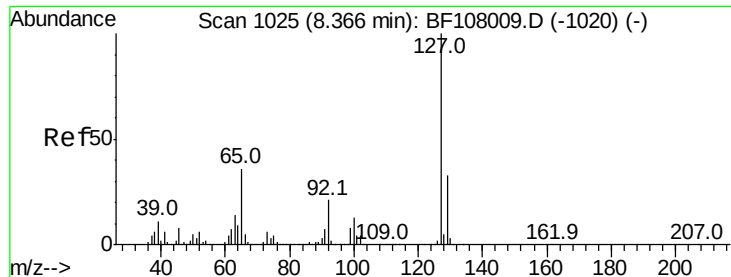
Delta R.T. -0.06 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	128.0	101.1	141.1	
77	105.2	70.7	110.7	





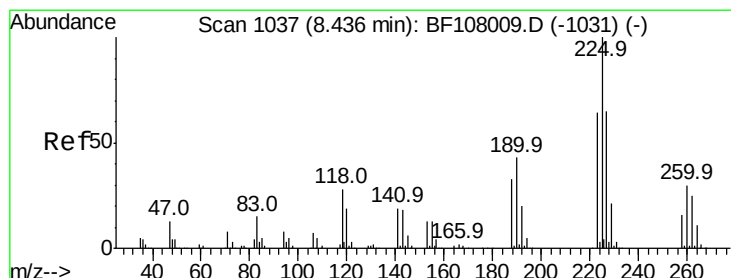
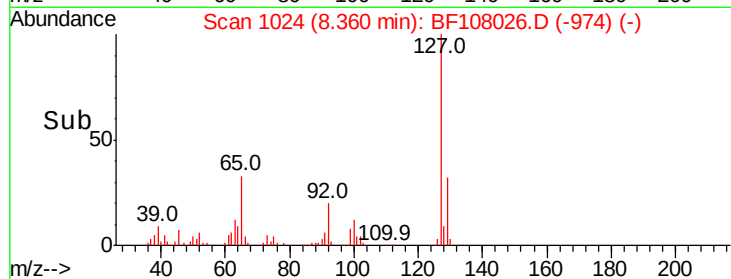
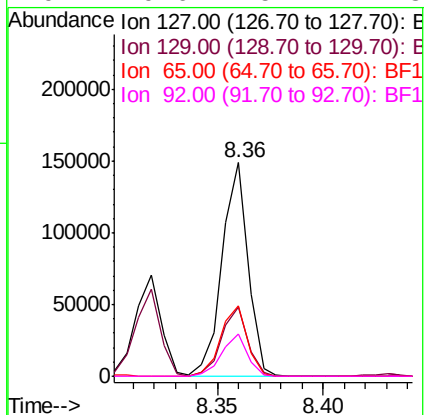
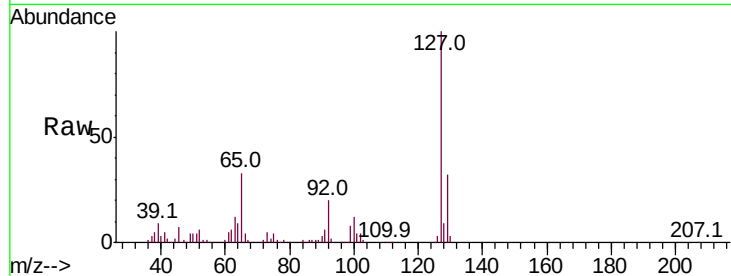
#33
4-Chloroaniline
Concen: 18.586 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	25.9	38.9	
65	32.8	25.0	37.4	
92	19.6	15.2	22.8	

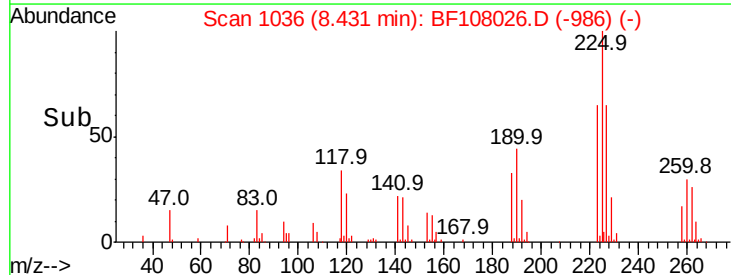
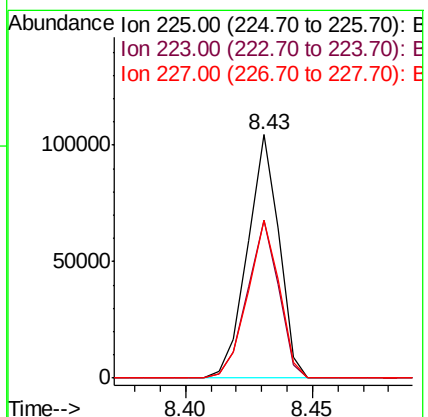
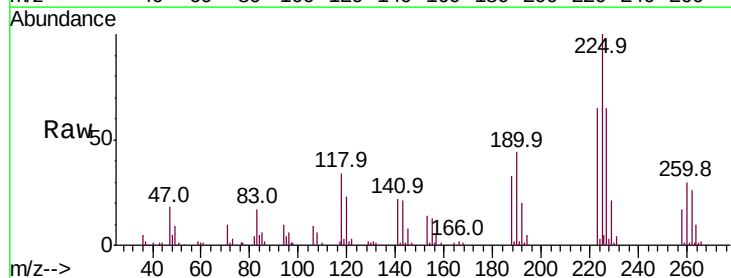
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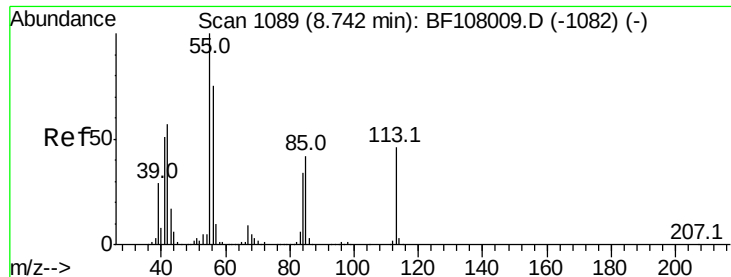
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#34
Hexachlorobutadiene
Concen: 27.105 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.1	50.6	76.0	
227	65.0	51.9	77.9	





#35

Caprolactam

Concen: 25.665 ng

RT: 8.70 min Scan# 1081

Delta R.T. -0.05 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

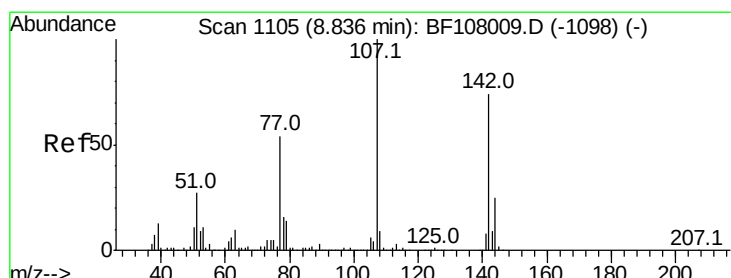
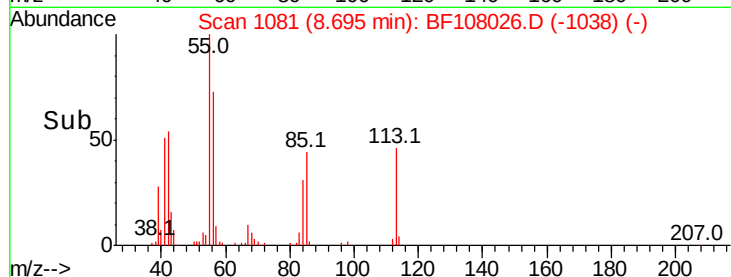
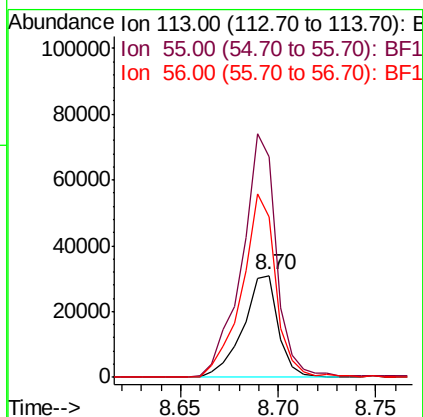
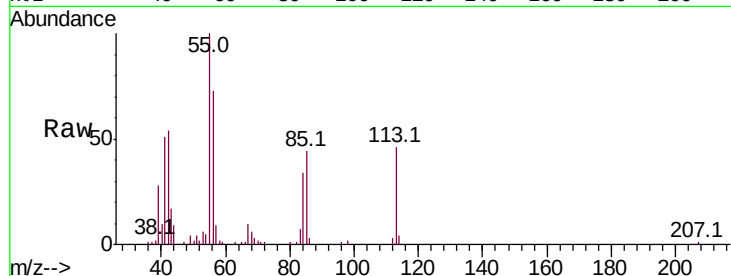
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
113	100		
55	215.7	163.3	203.3#
56	157.1	115.7	155.7#

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#36

4-Chloro-3-methylphenol

Concen: 27.963 ng

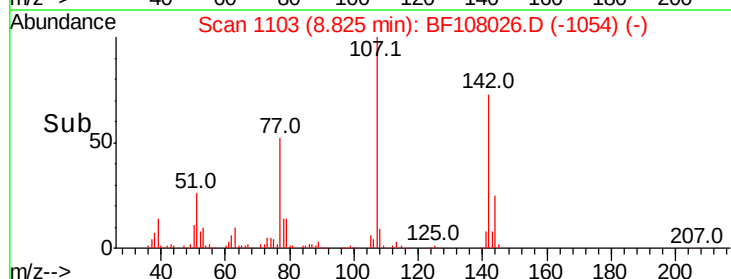
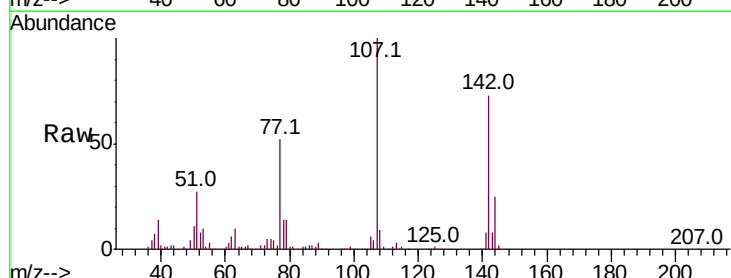
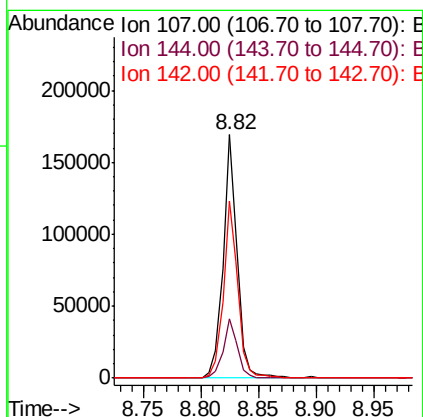
RT: 8.82 min Scan# 1103

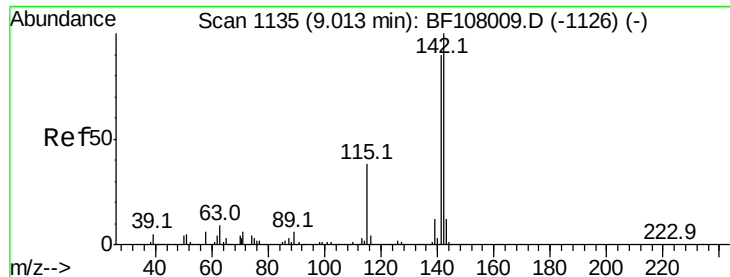
Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.5	30.7
142	72.6	62.0	93.0





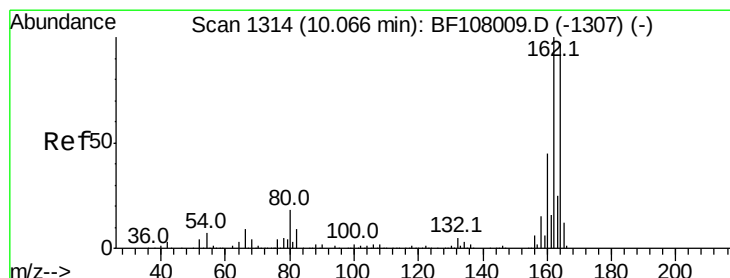
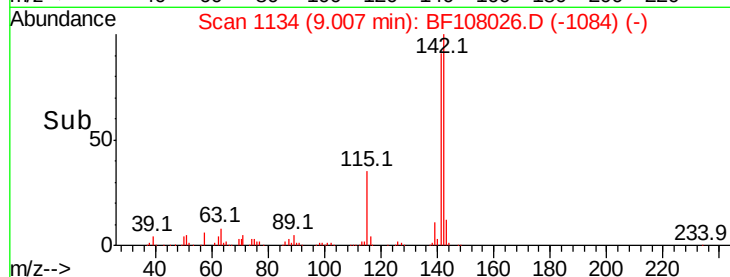
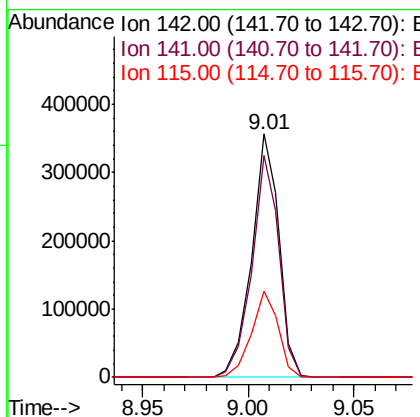
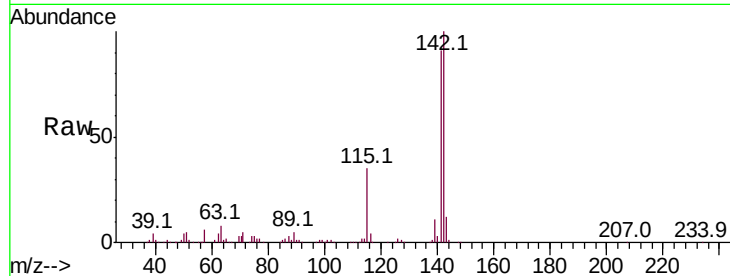
#37
2-Methylnaphthalene
Concen: 28.979 ng
RT: 9.01 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.8	106.2
115	35.4	26.1	39.1

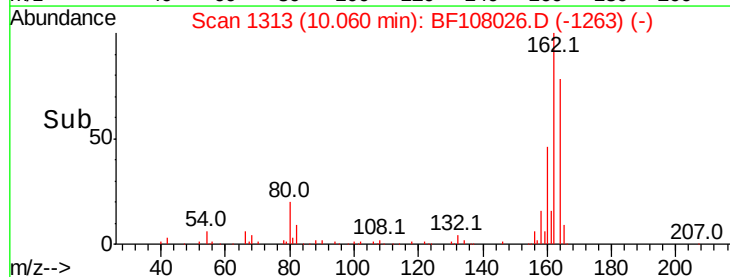
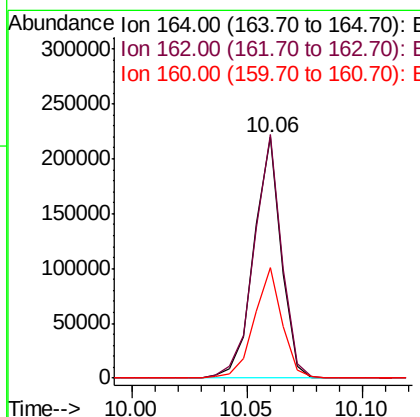
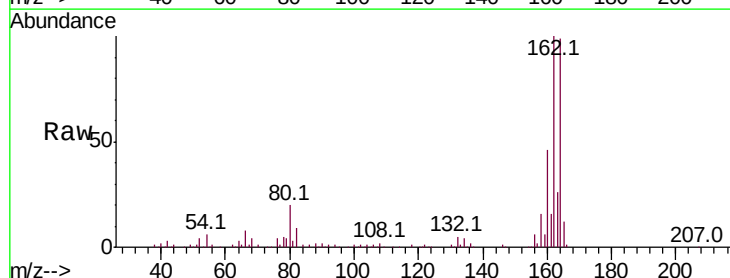
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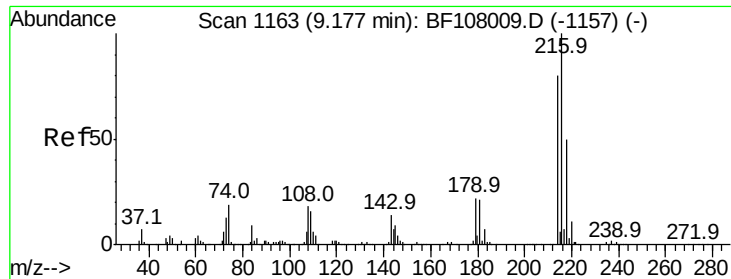
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	46.2	38.3	57.5





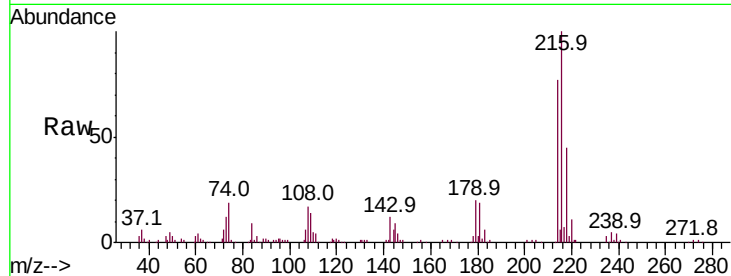
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 28.750 ng
 RT: 9.17 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
216	100	160433		
214	78.7	63.0	94.4	
179	20.6	18.1	27.1	
108	18.8	17.2	25.8	

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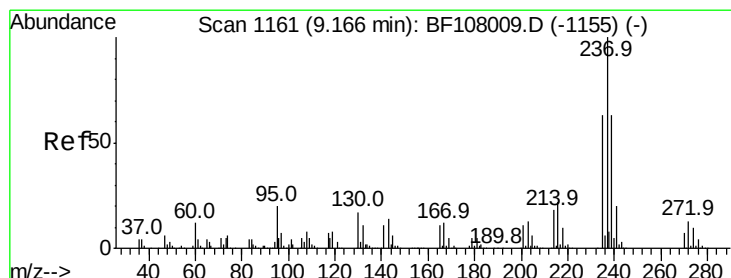
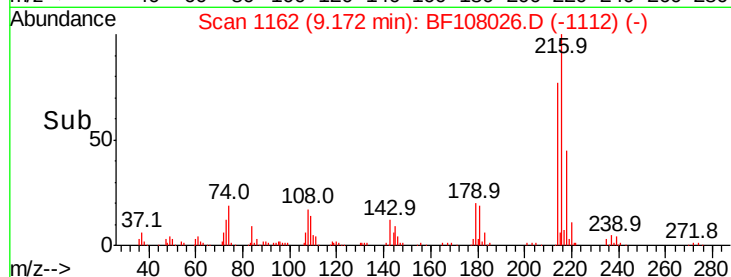
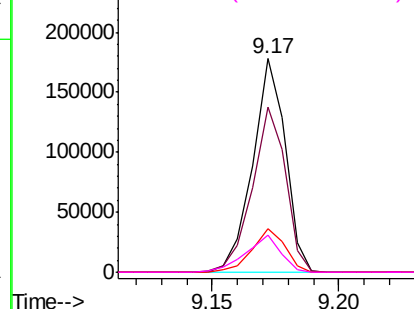
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

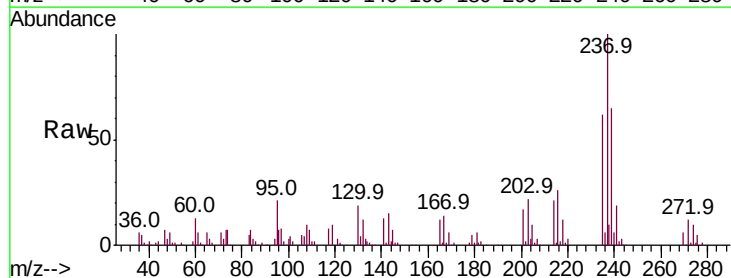
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 25.499 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	91909		
235	62.3	44.8	84.8	
272	12.0	0.0	33.3	

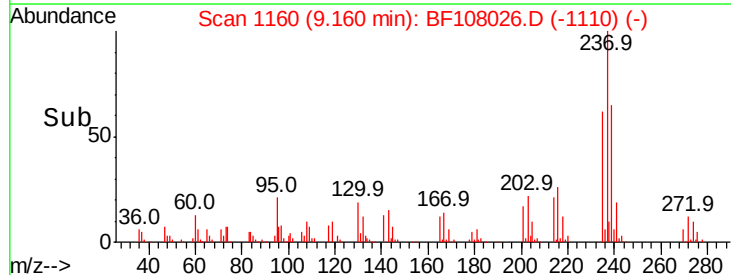
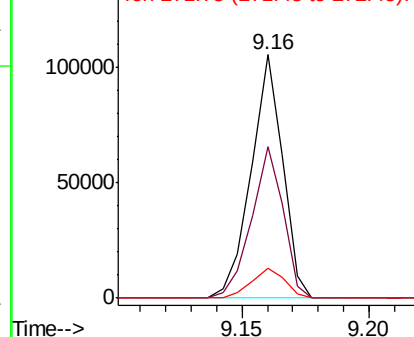


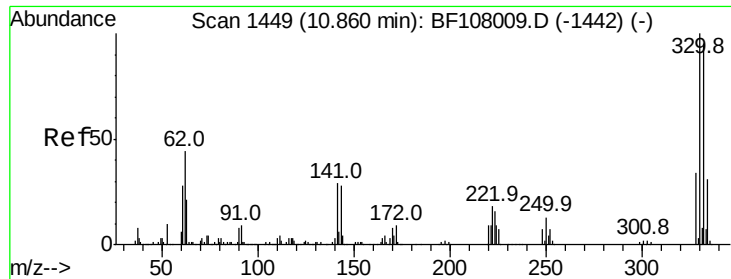
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





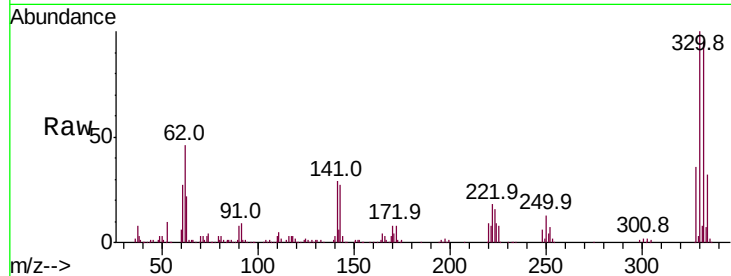
#41
 2,4,6-Tribromophenol
 Concen: 218.823 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	77.0	115.6	
141	34.8	29.9	44.9	

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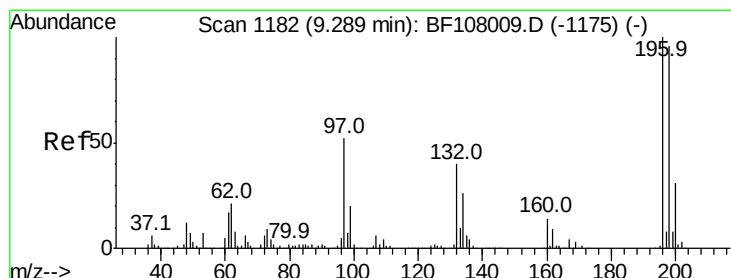
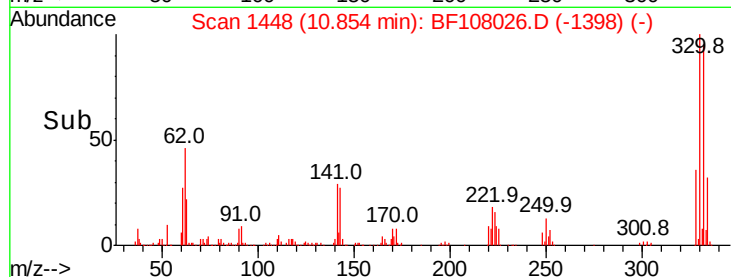
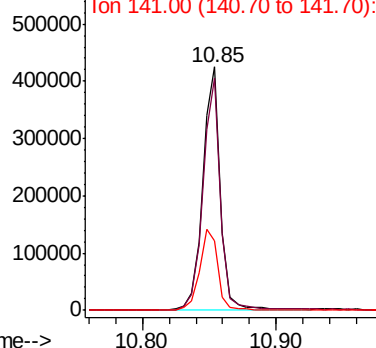


Abundance

Ion 329.80 (329.50 to 330.50): E

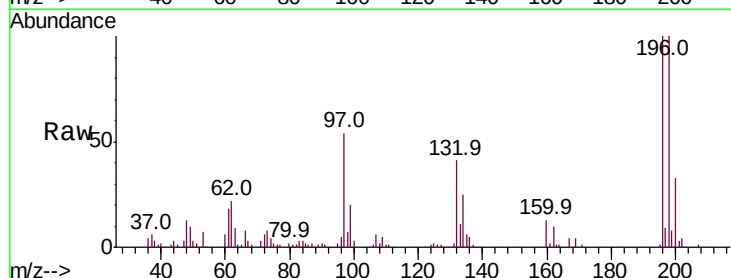
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 24.829 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	99.6	75.7	113.5	
200	32.8	24.5	36.7	

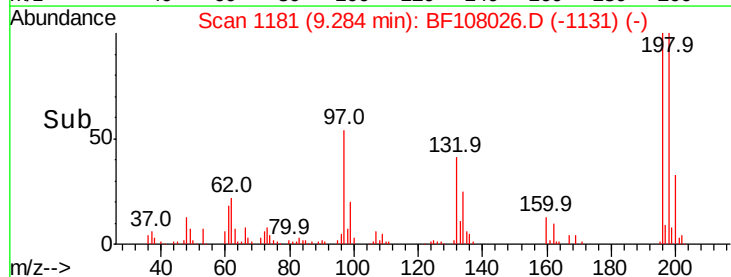
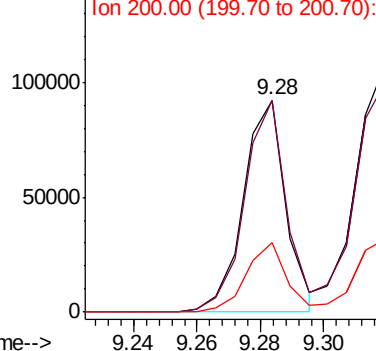


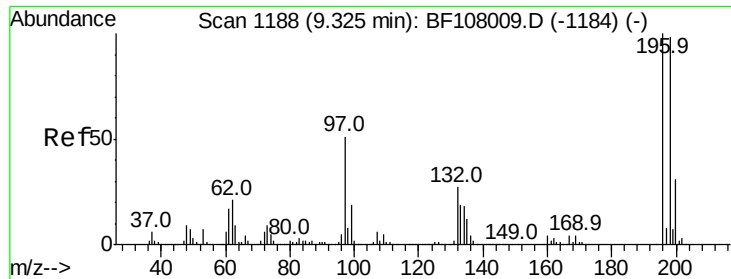
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





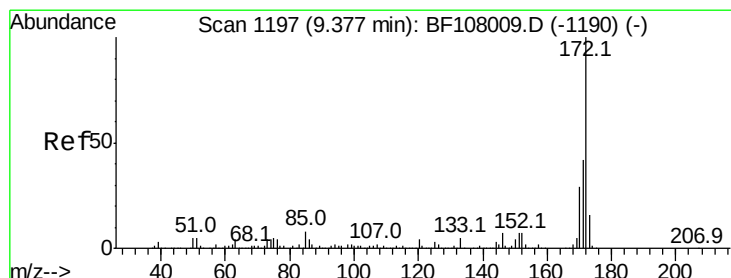
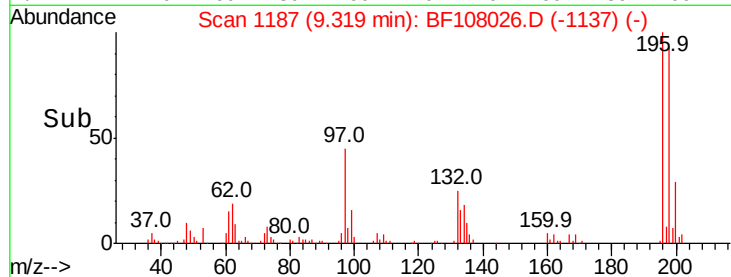
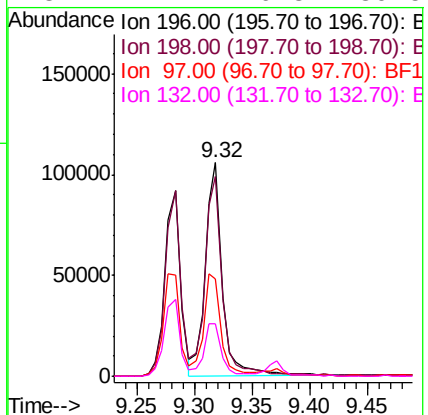
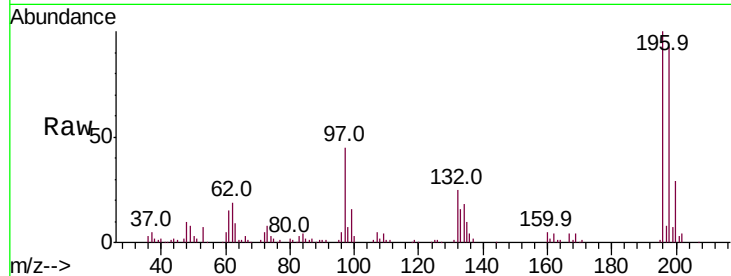
#43
 2,4,5-Trichlorophenol
 Concen: 28.584 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	108962		
198	93.3	74.6	112.0	
97	45.4	42.9	64.3	
132	24.7	26.3	39.5	

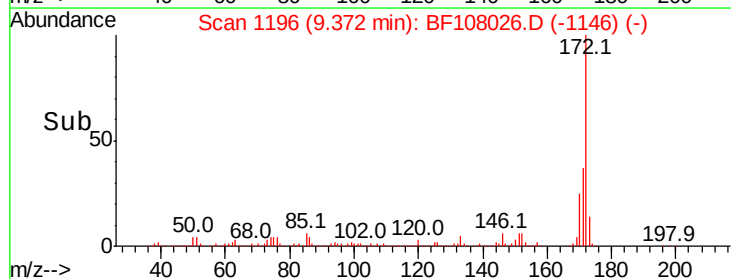
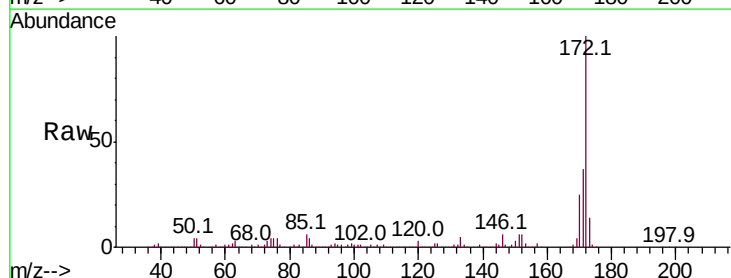
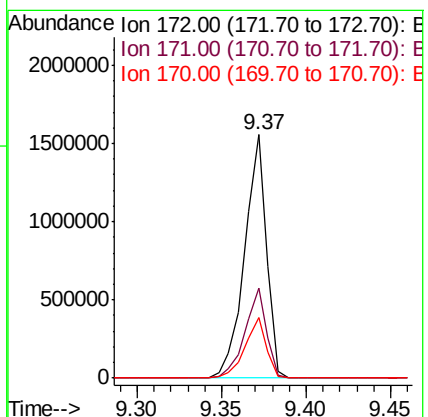
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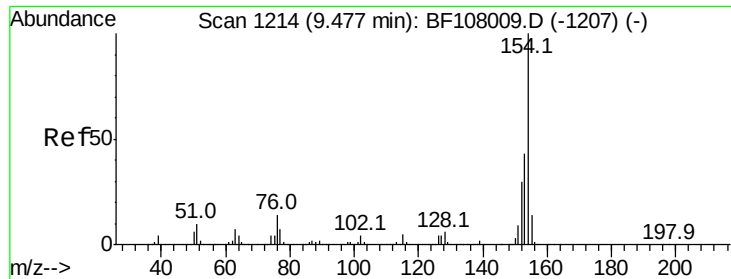
Sohil
 8/9/2018 5:01:27 PM



#44
 2-Fluorobiphenyl
 Concen: 124.491 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1409078		
171	36.9	29.7	44.5	
170	25.0	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 29.919 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

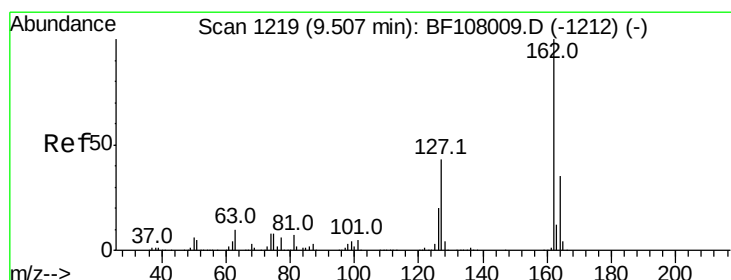
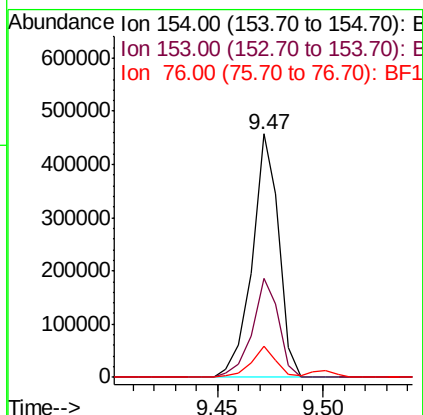
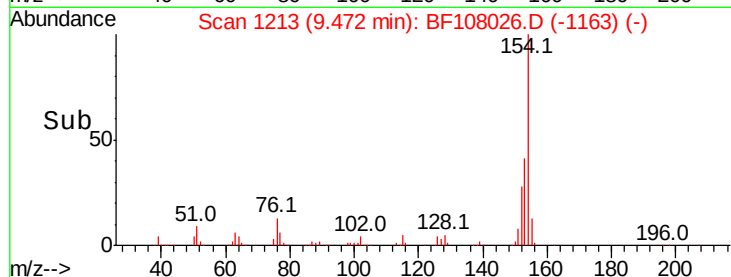
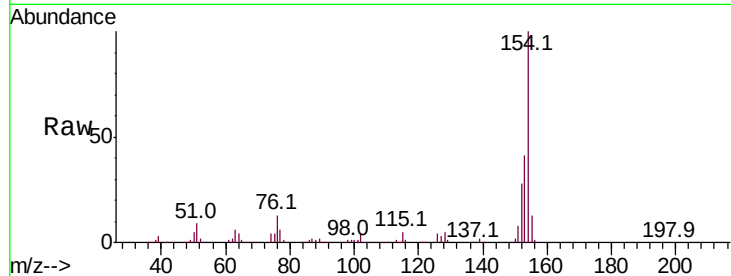
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	154	Resp:	400850
Ion Ratio	Lower	Upper	
154	100		
153	40.6	21.3	61.3
76	12.9	0.0	34.0

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#46

2-Chloronaphthalene

Concen: 29.706 ng

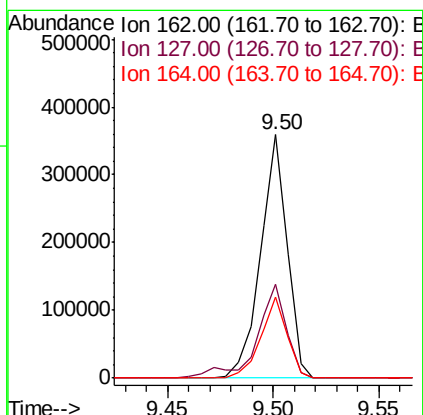
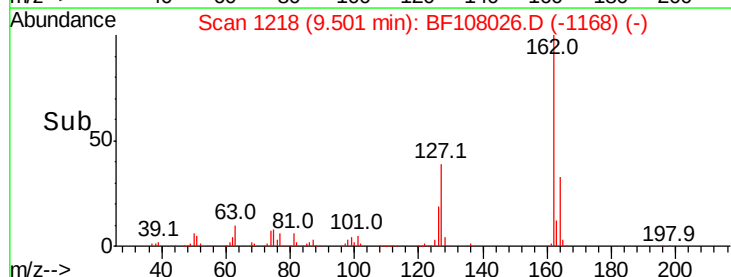
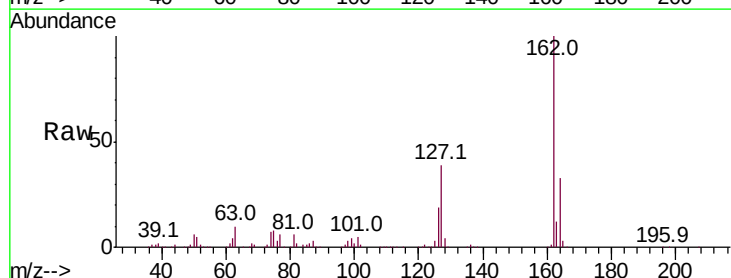
RT: 9.50 min Scan# 1218

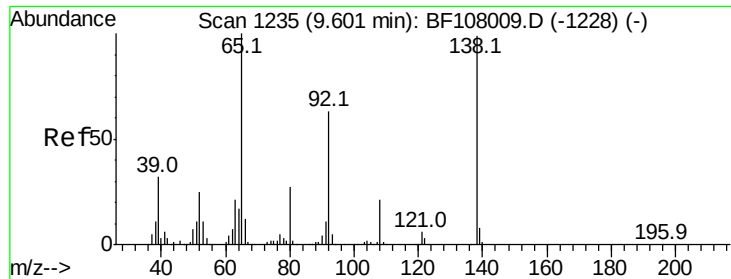
Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion:	162	Resp:	314572
Ion Ratio	Lower	Upper	
162	100		
127	38.7	33.9	50.9
164	33.3	26.5	39.7





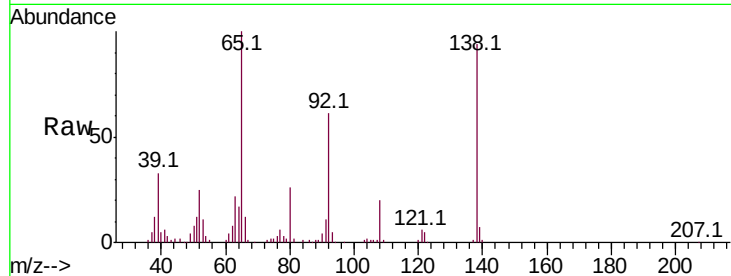
#47
2-Nitroaniline
Concen: 27.520 ng
RT: 9.59 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	61.3	55.8	83.6
138	93.7	91.2	136.8

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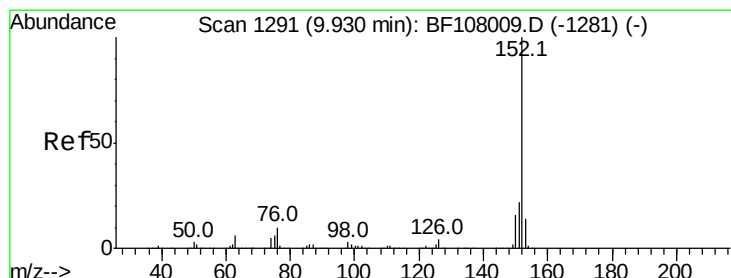
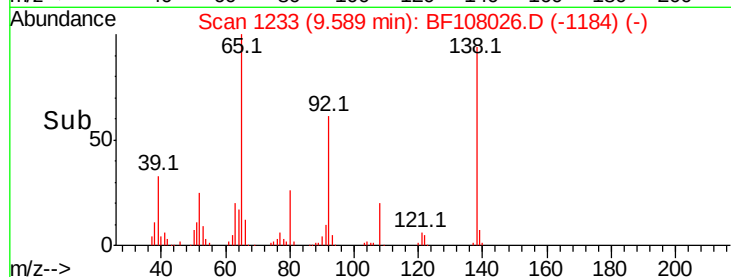
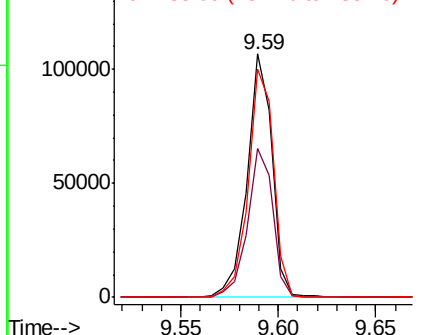


Abundance

Ion 65.00 (64.70 to 65.70): BF1

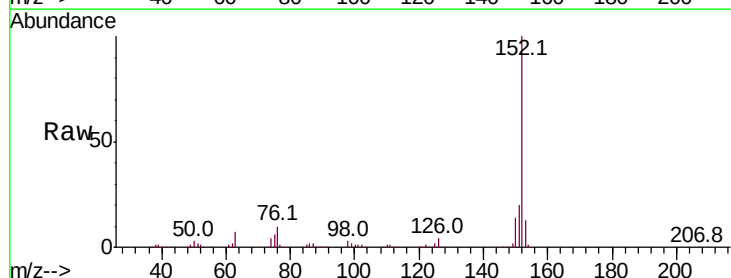
Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#48
Acenaphthylene
Concen: 30.324 ng
RT: 9.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.1	10.7	16.1

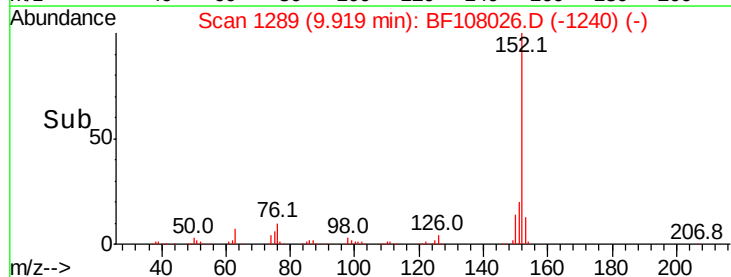
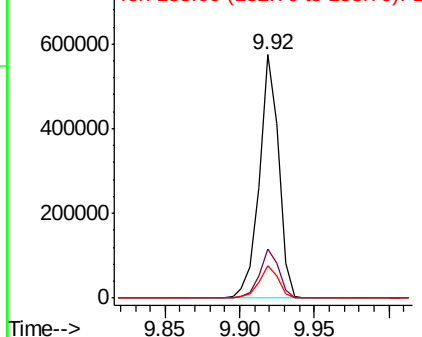


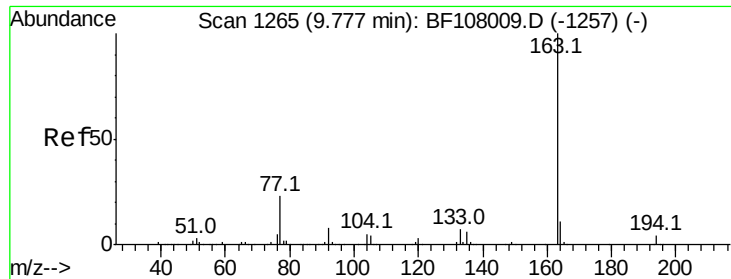
Abundance

Ion 152.00 (151.70 to 152.70): BF1

Ion 151.00 (150.70 to 151.70): BF1

Ion 153.00 (152.70 to 153.70): BF1





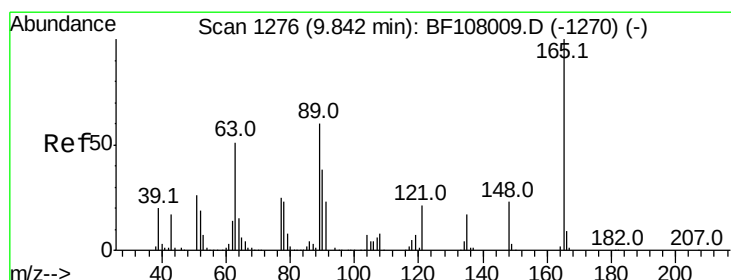
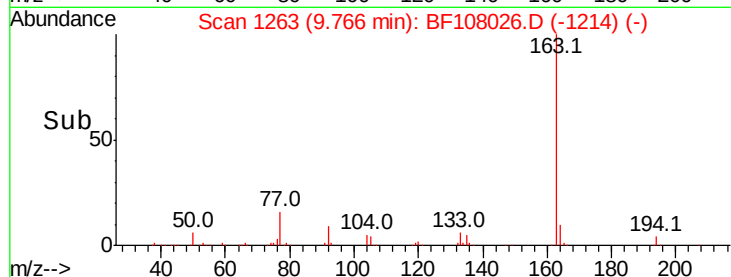
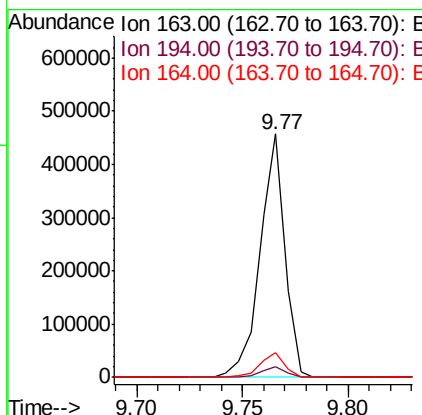
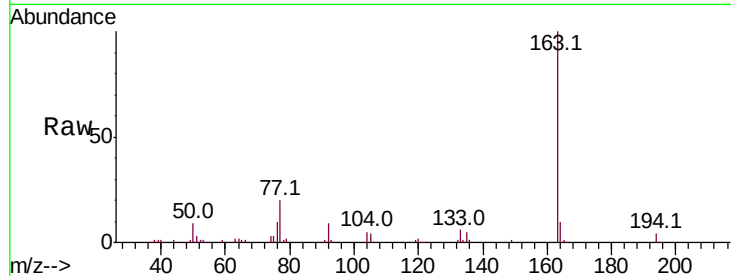
#49
 Dimethylphthalate
 Concen: 29.586 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion:	163	Resp:	374498
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	10.1	8.2	12.2

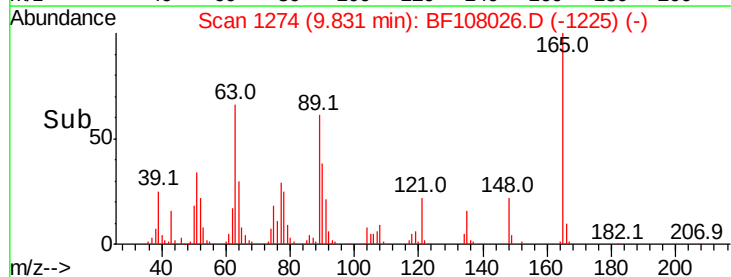
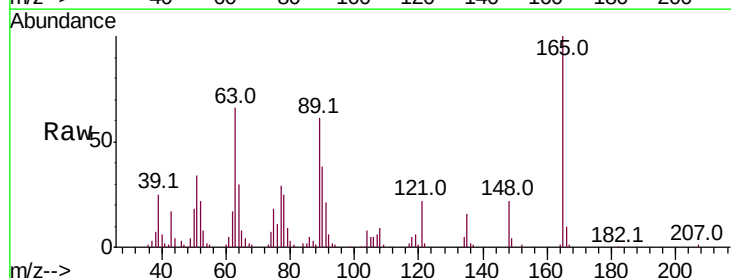
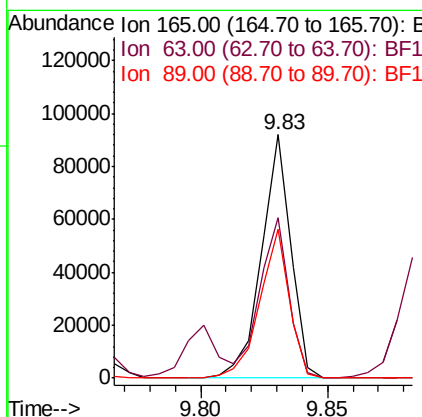
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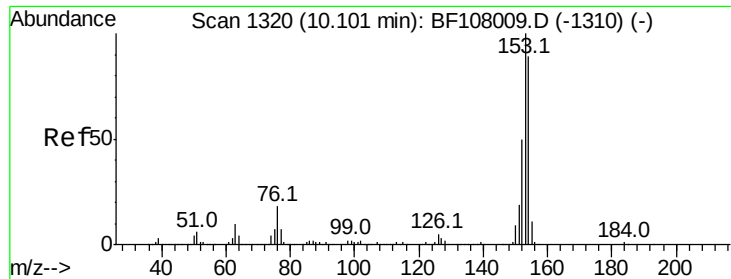
Sohil
 8/9/2018 5:01:27 PM



#50
 2,6-Dinitrotoluene
 Concen: 28.217 ng
 RT: 9.83 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion:	165	Resp:	74728
Ion Ratio	Lower	Upper	
165	100		
63	65.7	44.7	67.1
89	61.2	44.0	66.0





#51

Acenaphthene

Concen: 29.216 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

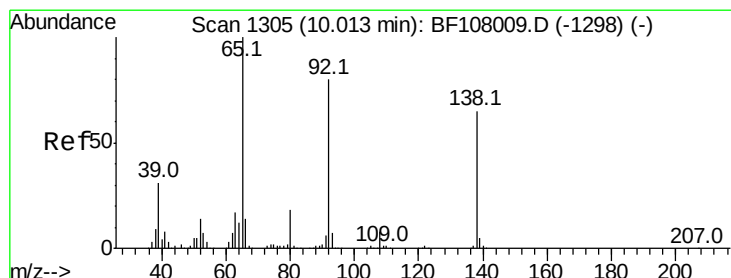
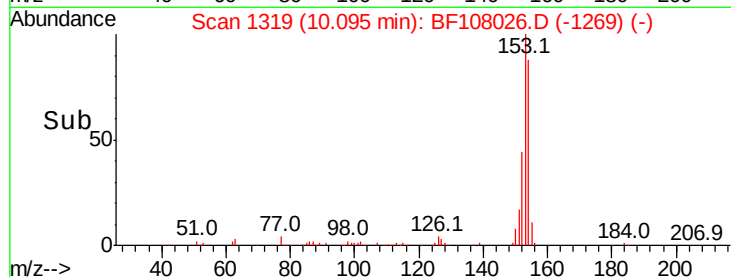
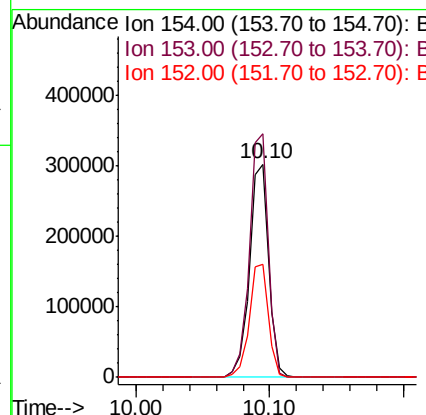
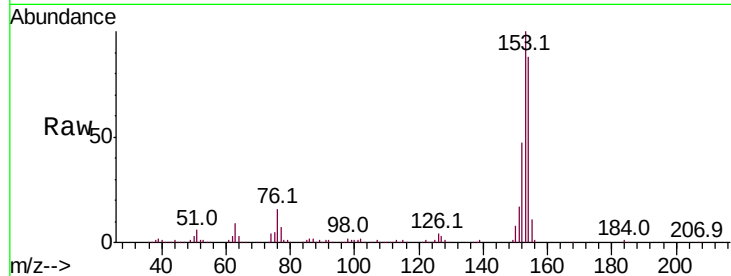
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
154	100	299573		
153	114.1	91.2	136.8	
152	53.1	43.8	65.8	

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8/9/2018 5:01:27 PM



#52

3-Nitroaniline

Concen: 22.980 ng

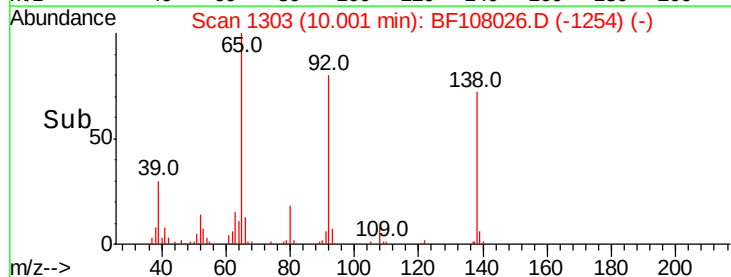
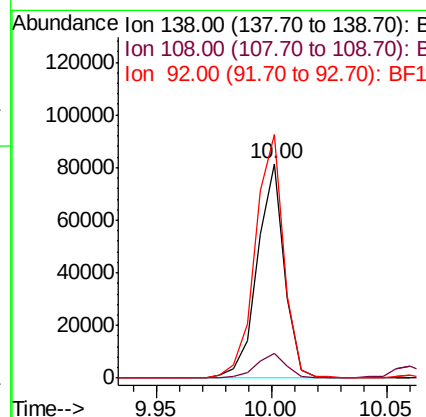
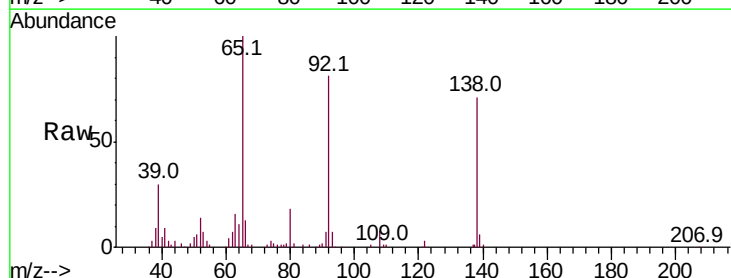
RT: 10.00 min Scan# 1303

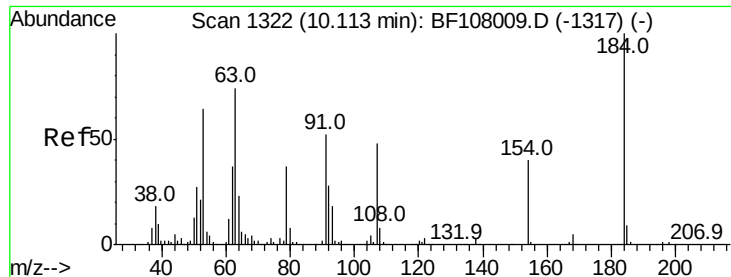
Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	66588		
108	11.4	9.4	14.0	
92	113.4	89.4	134.2	





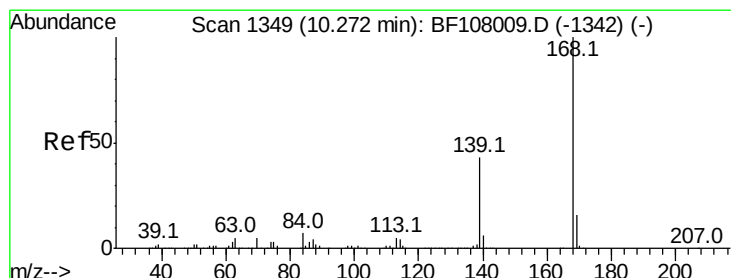
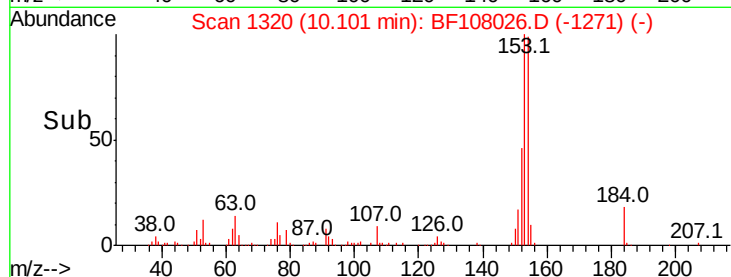
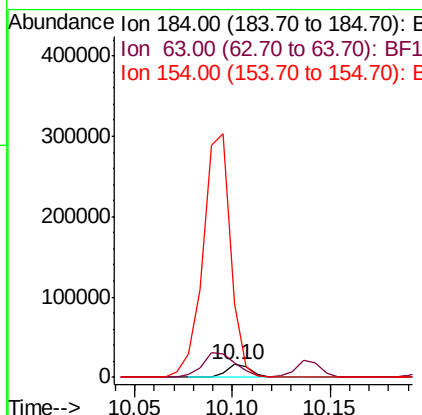
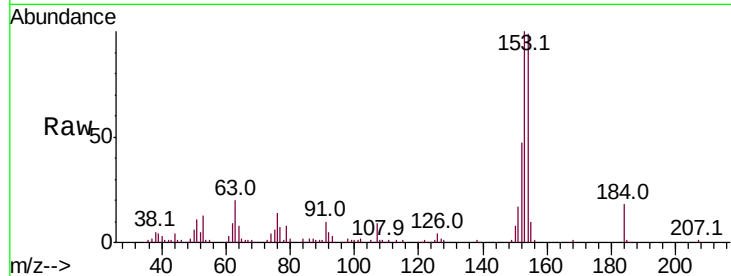
#53
 2,4-Dinitrophenol
 Concen: 20.146 ng
 RT: 10.10 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
184	100		
63	114.5	54.2	81.2#
154	563.6	184.0	276.0#

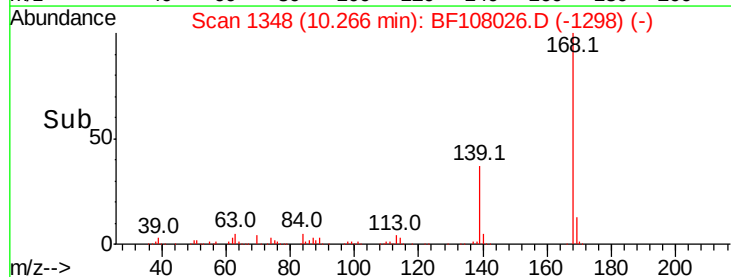
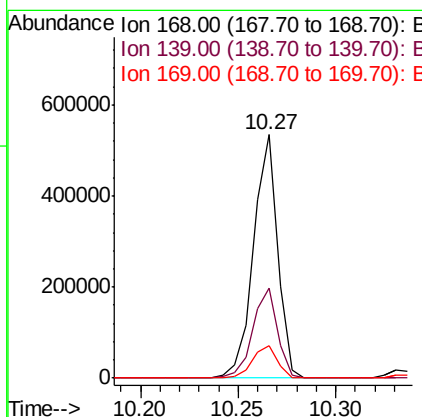
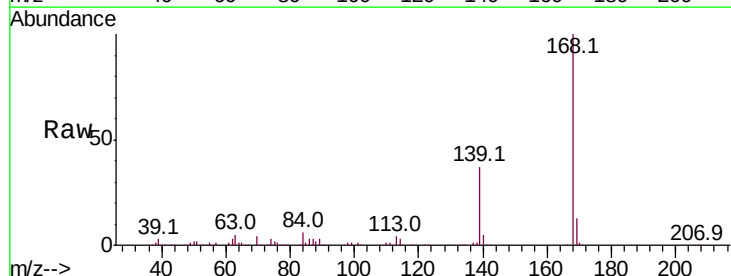
Manual Integrations
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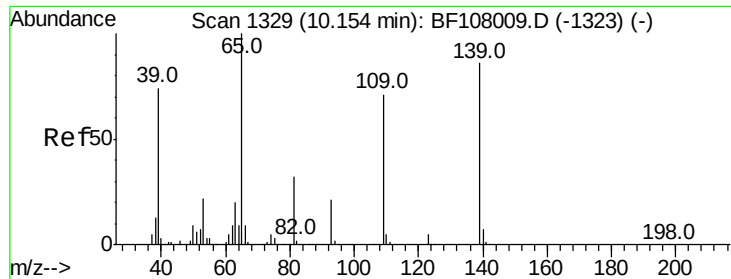
Sohil
 8/9/2018 5:01:27 PM



#54
 Dibenzofuran
 Concen: 30.823 ng
 RT: 10.27 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.1	30.1	45.1
169	13.4	10.9	16.3





#55

4-Nitrophenol

Concen: 25.767 ng

RT: 10.14 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

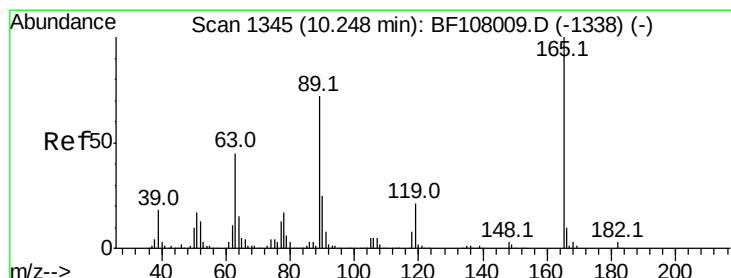
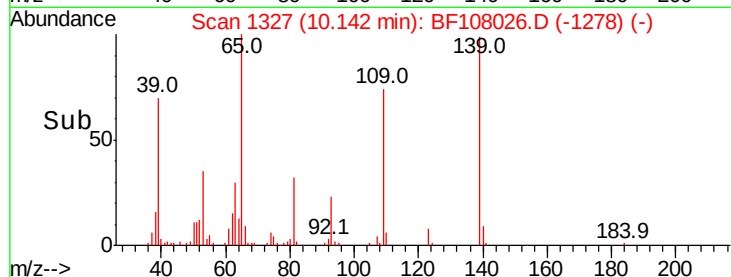
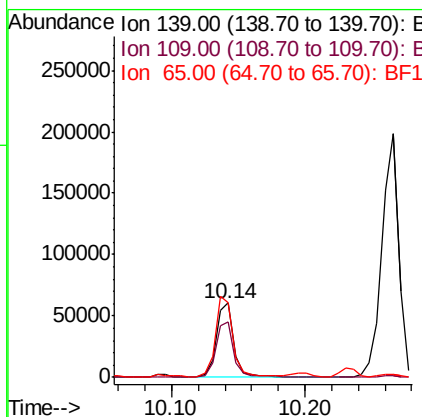
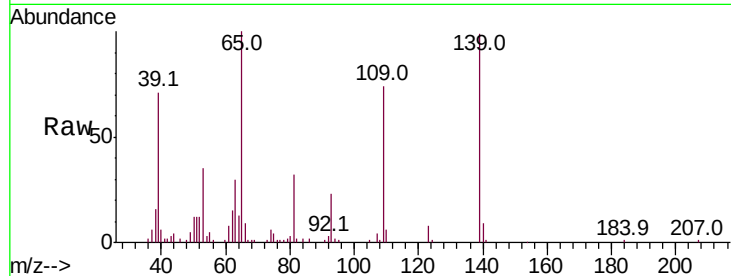
ClientSampleID :

MDL-SOIL-03-QT3-2018

Tot Ion:	139	Resp:	56538
Ion Ratio	Lower	Upper	
139	100		
109	74.3	48.4	88.4
65	101.0	72.6	112.6

Manual Integrations
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#56

2,4-Dinitrotoluene

Concen: 28.737 ng

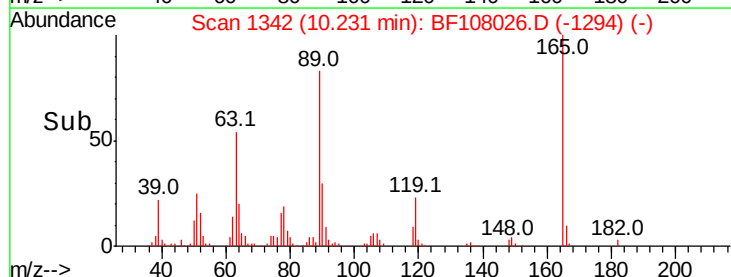
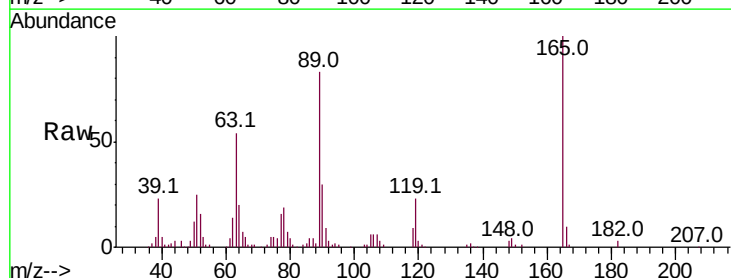
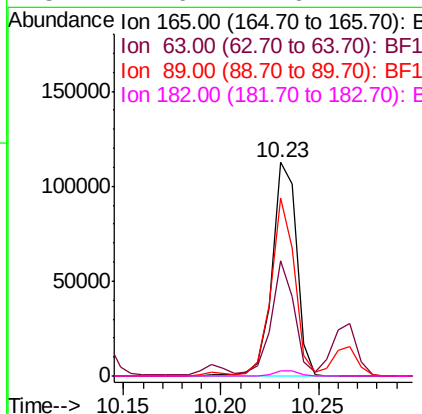
RT: 10.23 min Scan# 1342

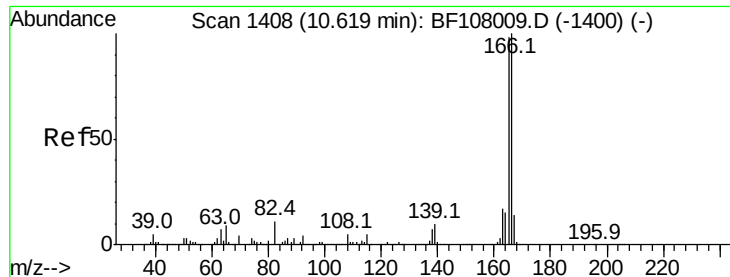
Delta R.T. -0.02 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion:	165	Resp:	97962
Ion Ratio	Lower	Upper	
165	100		
63	54.0	36.4	54.6
89	83.2	57.8	86.6
182	2.6	1.6	2.4#





#57

Fluorene

Concen: 30.352 ng

RT: 10.61 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

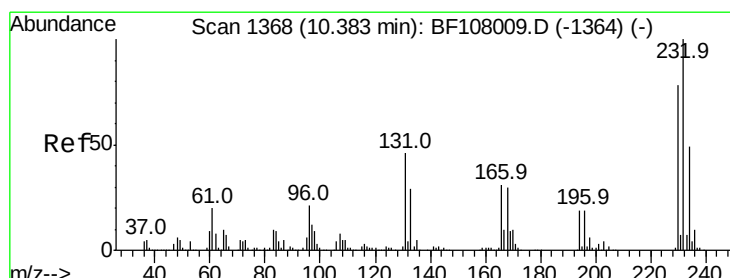
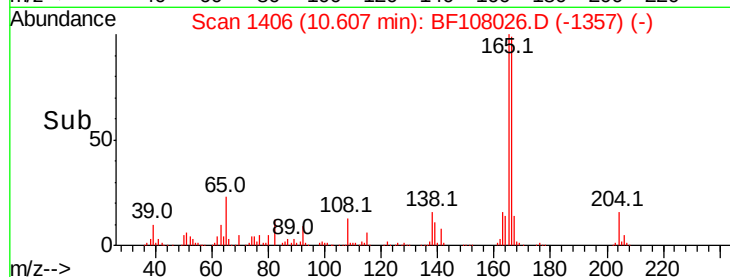
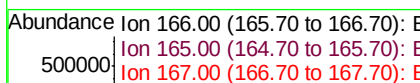
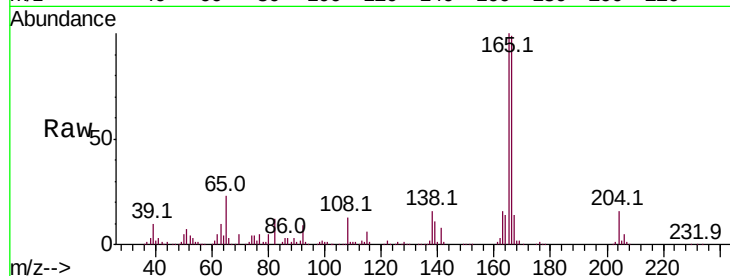
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	166	Resp:	356934
Ion Ratio	Lower	Upper	
166	100		
165	101.3	79.8	119.8
167	13.8	10.6	16.0

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 27.417 ng

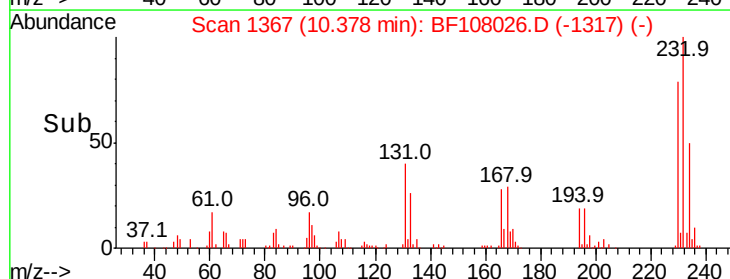
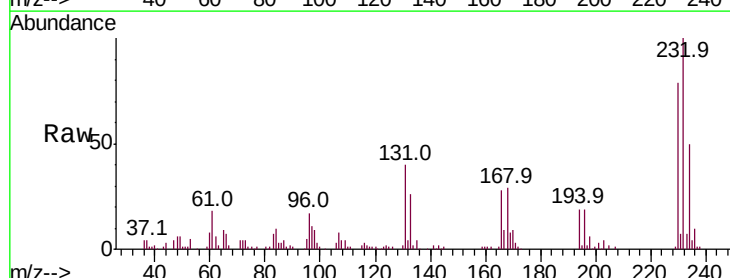
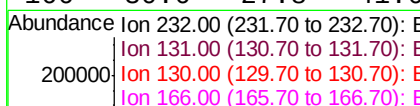
RT: 10.38 min Scan# 1367

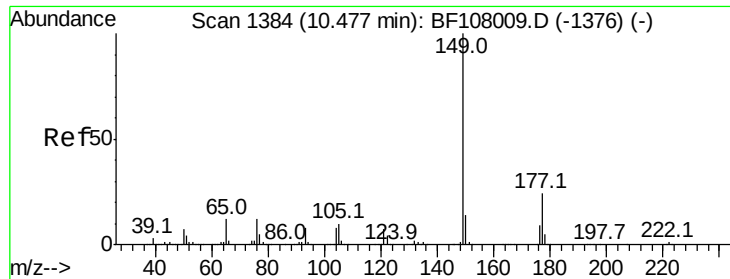
Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion:	232	Resp:	87355
Ion Ratio	Lower	Upper	
232	100		
131	43.1	43.8	65.8#
130	2.1	2.1	3.1
166	30.6	27.8	41.6





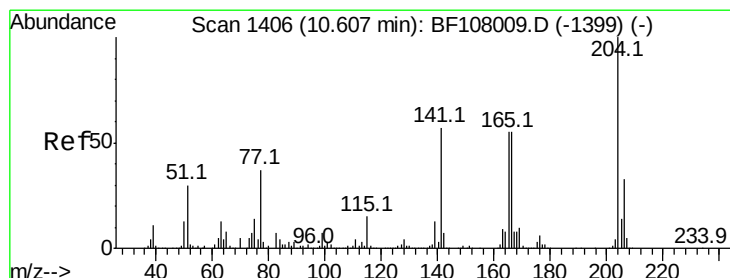
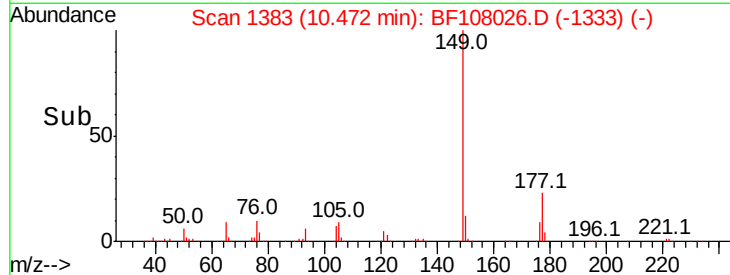
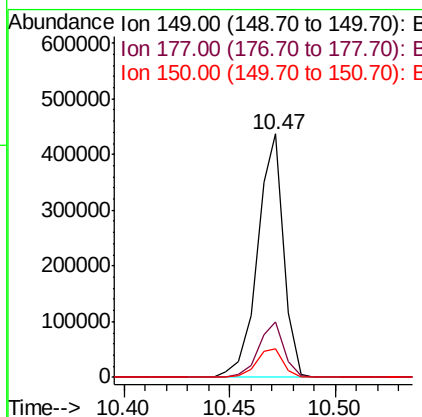
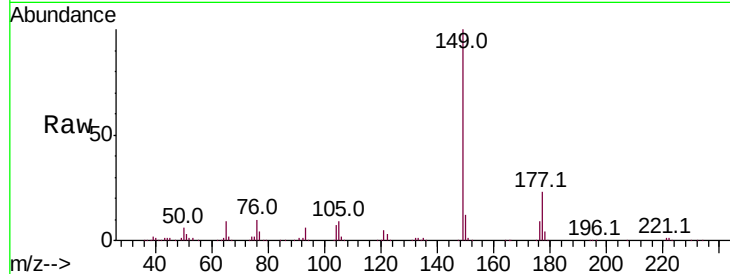
#59
 Diethylphthalate
 Concen: 30.463 ng
 RT: 10.47 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion:	149	Resp:	373391
Ion Ratio	Lower	Upper	
149	100		
177	22.7	16.1	24.1
150	11.6	10.1	15.1

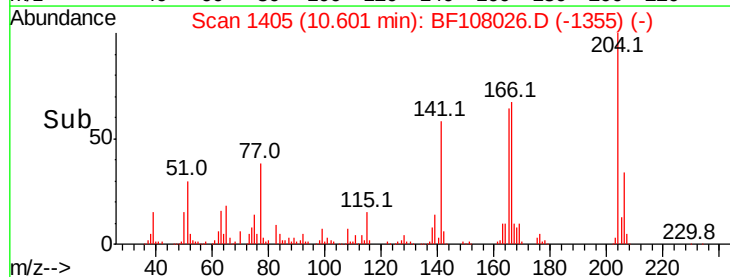
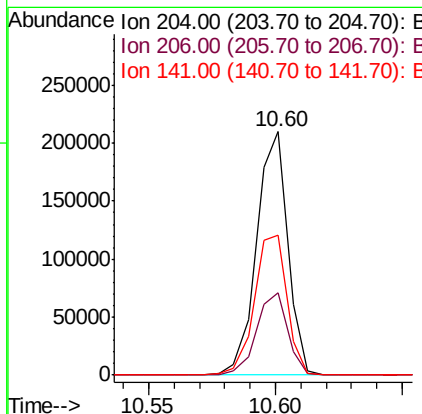
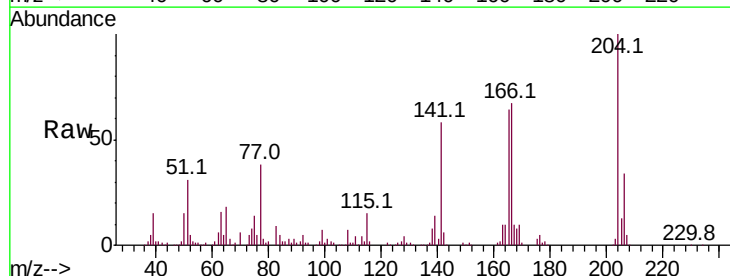
Manual Integrations
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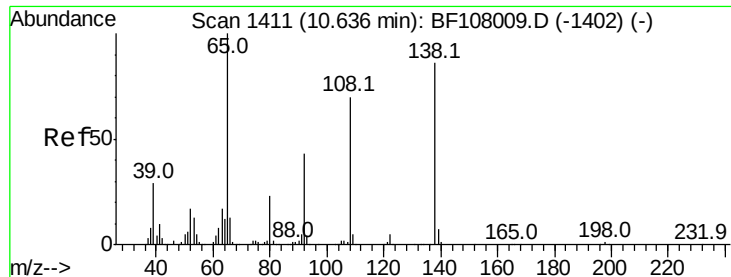
Sohil
 8/9/2018 5:01:27 PM



#60
 4-Chlorophenyl-phenylether
 Concen: 29.583 ng
 RT: 10.60 min Scan# 1405
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion:	204	Resp:	181278
Ion Ratio	Lower	Upper	
204	100		
206	33.9	26.5	39.7
141	57.7	54.6	81.8





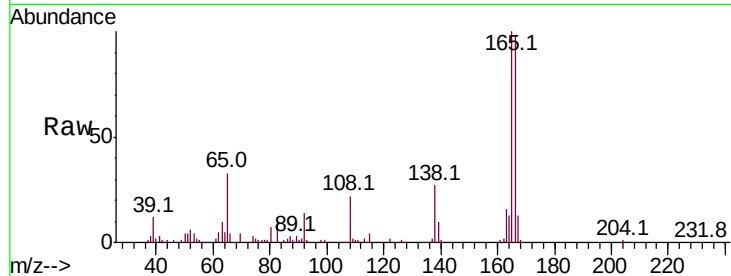
#61
4-Nitroaniline
Concen: 27.725 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.02 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.0	30.2	70.2
108	82.5	52.5	92.5

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Sohil
8/9/2018 5:01:27 PM

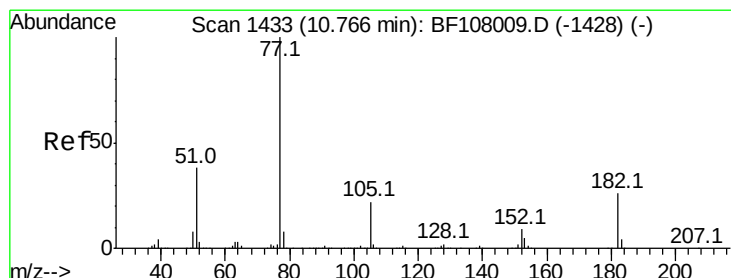
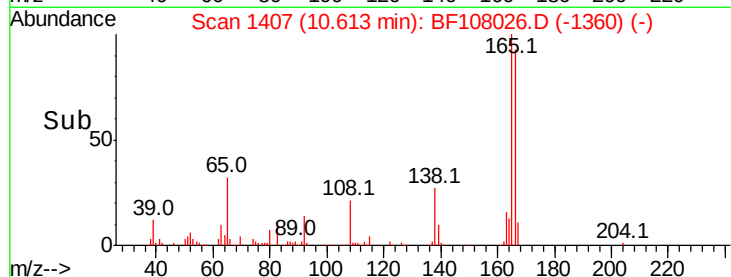
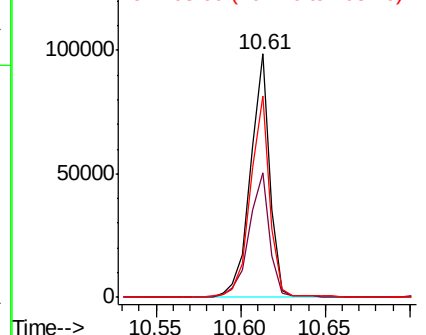


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62
Azobenzene
Concen: 30.088 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.0	1.7	41.7
105	21.2	3.0	43.0
51	35.2	9.9	49.9

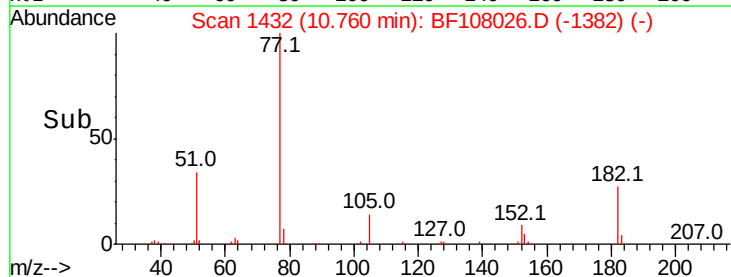
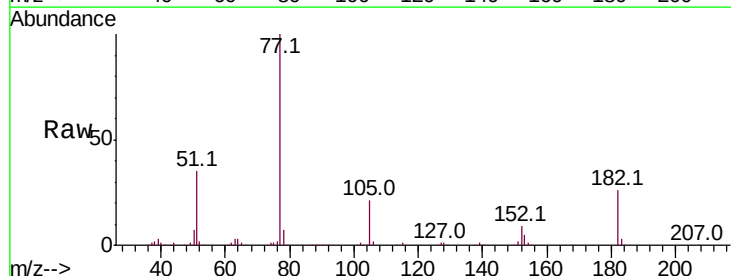
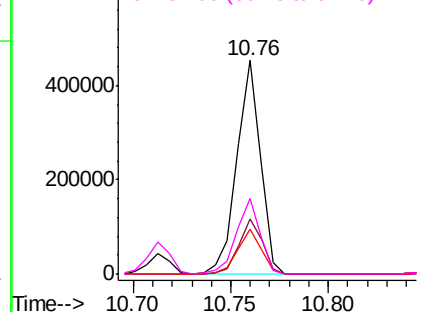
Abundance

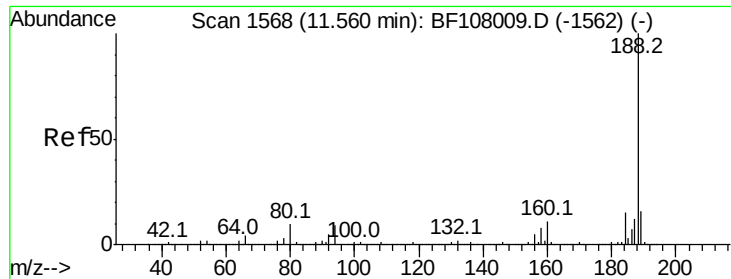
Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





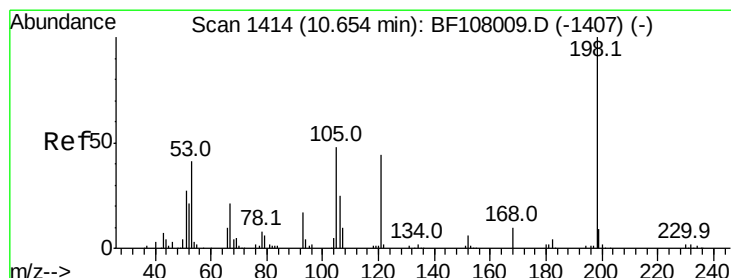
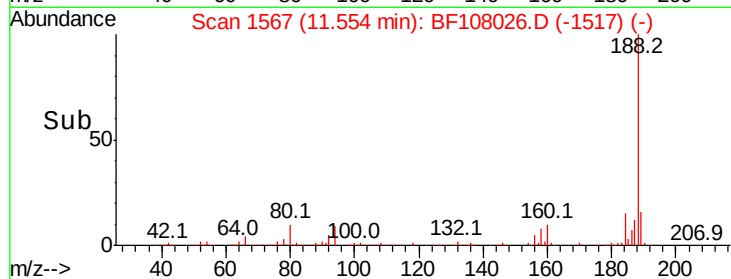
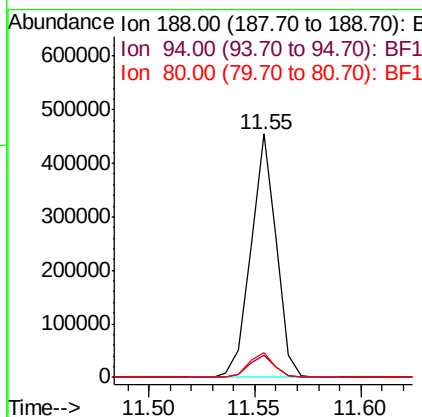
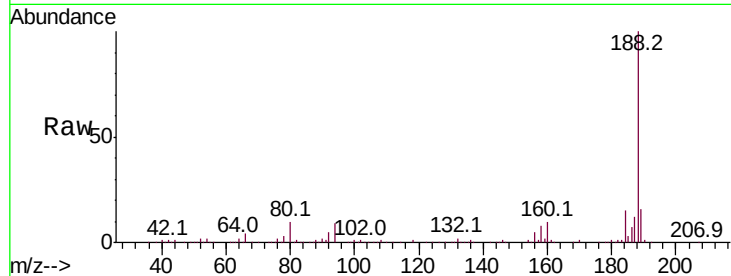
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	379128		
94	9.2		8.5	12.7
80	10.4		9.2	13.8

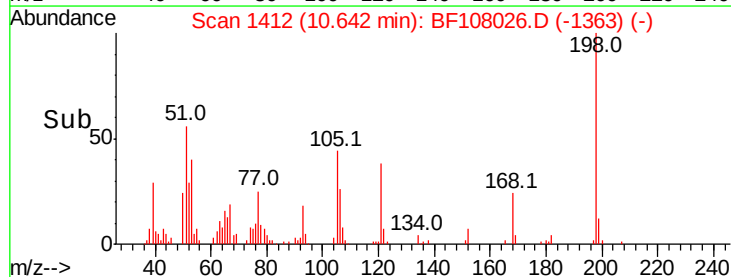
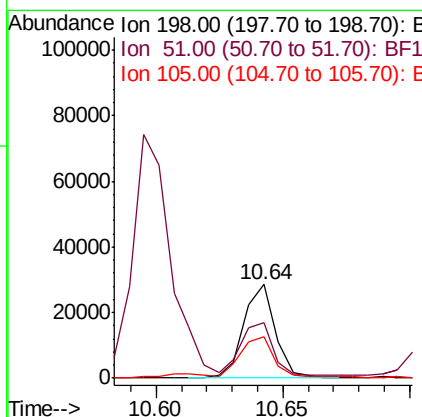
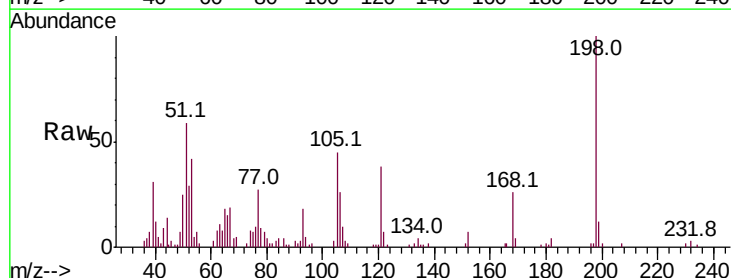
Manual Integrations
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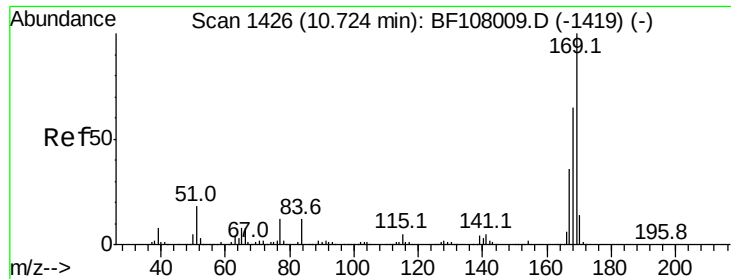
Sohil
8/9/2018 5:01:27 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 20.826 ng
RT: 10.64 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	24783		
51	58.6		37.7	77.7
105	44.8		36.3	76.3





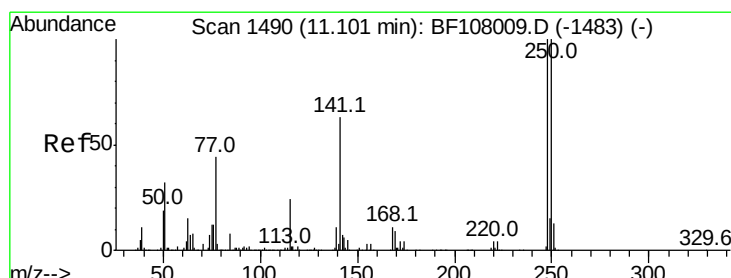
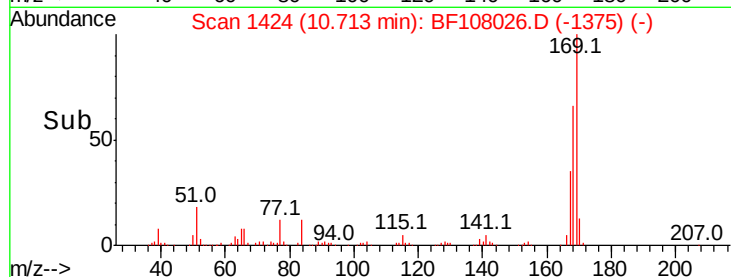
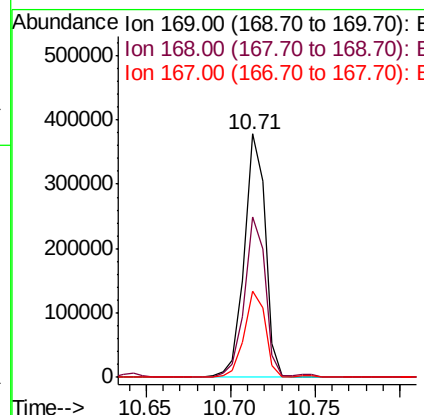
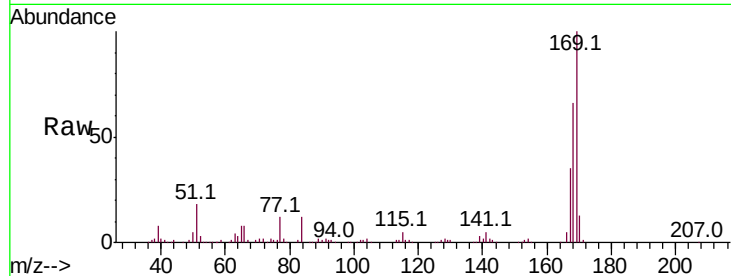
#65
 n-Nitrosodiphenylamine
 Concen: 29.267 ng
 RT: 10.71 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	65.8	54.4	81.6	
167	35.2	29.8	44.6	

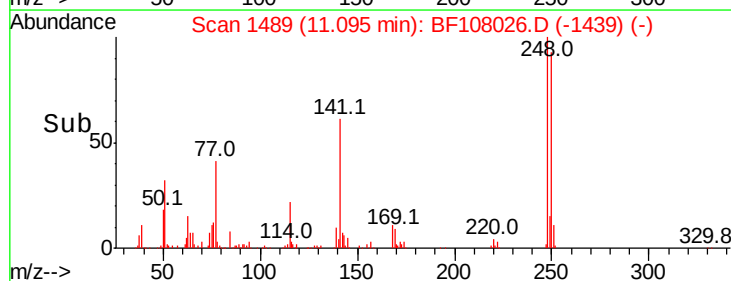
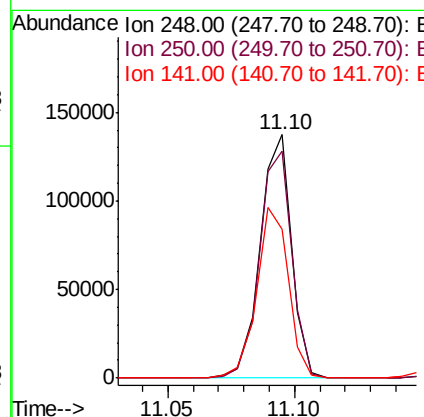
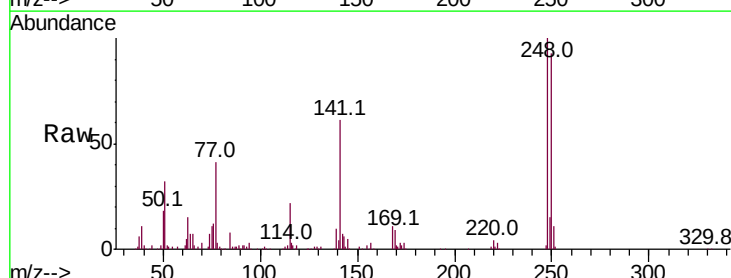
Manual Integrations
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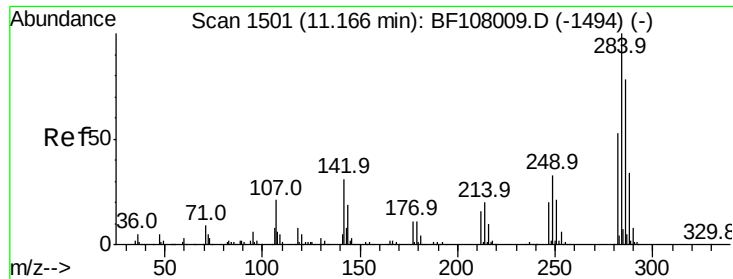
Sohil
 8/9/2018 5:01:27 PM



#66
 4-Bromophenyl-phenylether
 Concen: 28.889 ng
 RT: 11.10 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	93.0	76.9	115.3	
141	61.0	74.4	111.6	





#67

Hexachlorobenzene

Concen: 28.226 ng

RT: 11.16 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

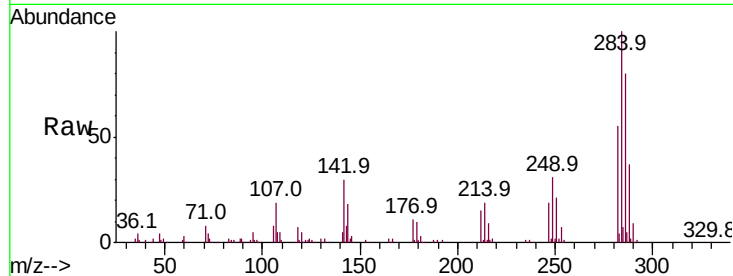
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
284	100	122361		
142	30.4	34.6	52.0	
249	31.0	24.8	37.2	

Manual Integrations
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Sohil
8/9/2018 5:01:27 PM

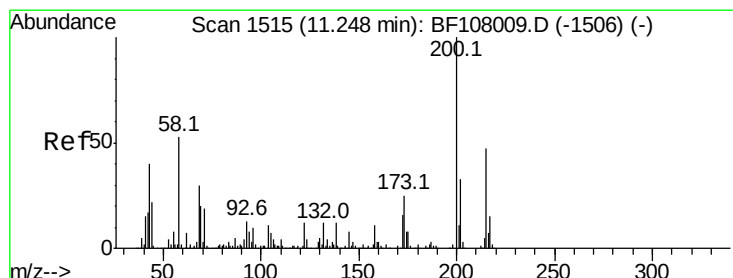
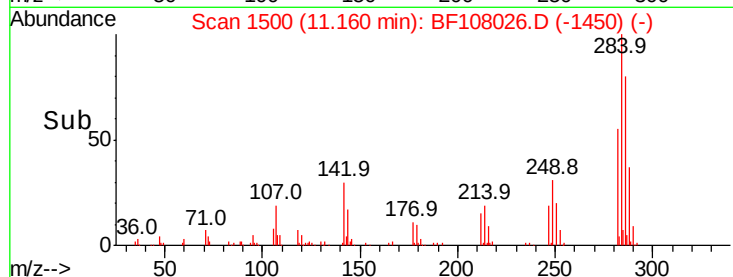
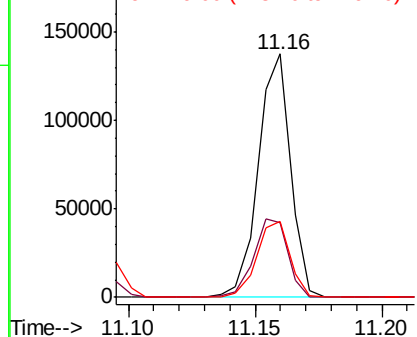


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 28.344 ng

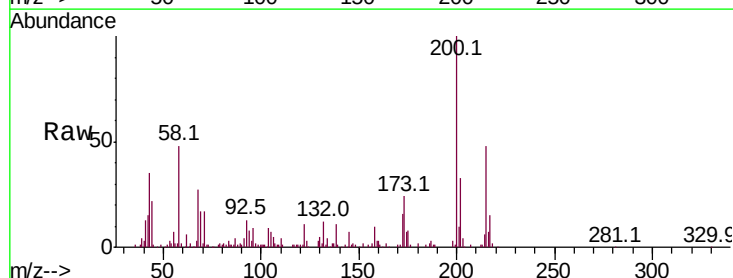
RT: 11.24 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	106511		
173	24.2	8.6	48.6	
215	47.5	25.1	65.1	

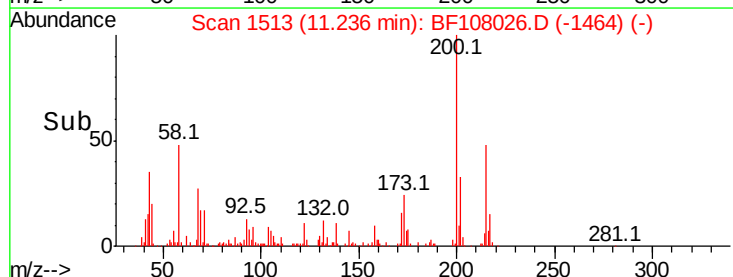
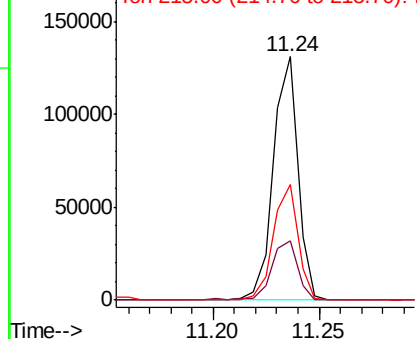


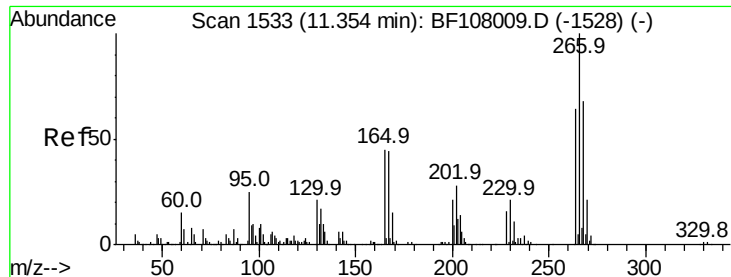
Abundance

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





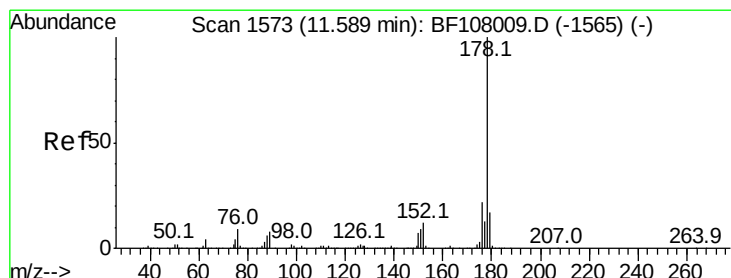
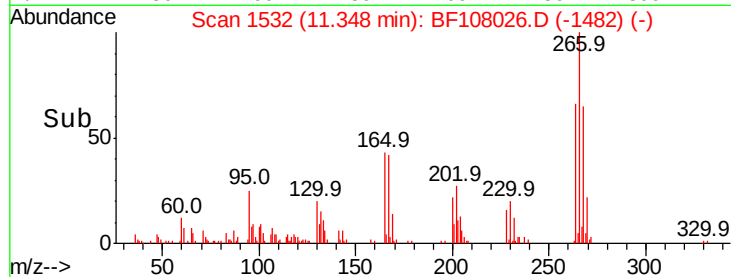
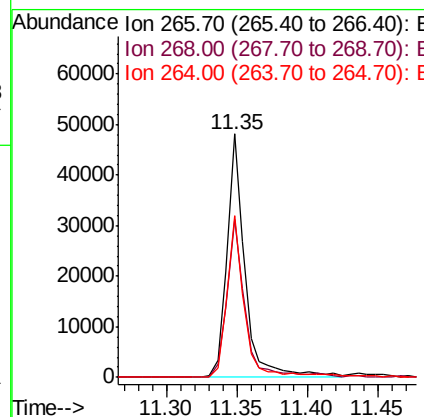
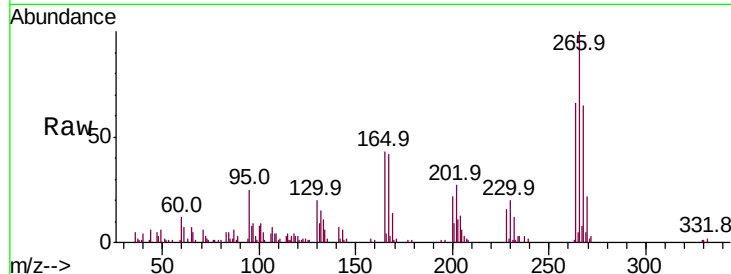
#69
 Pentachlorophenol
 Concen: 20.815 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.1	76.7
264	66.3	49.5	74.3

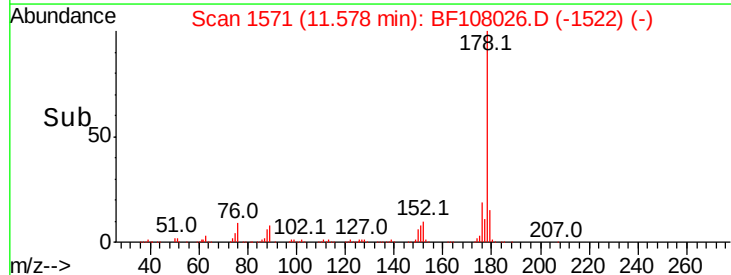
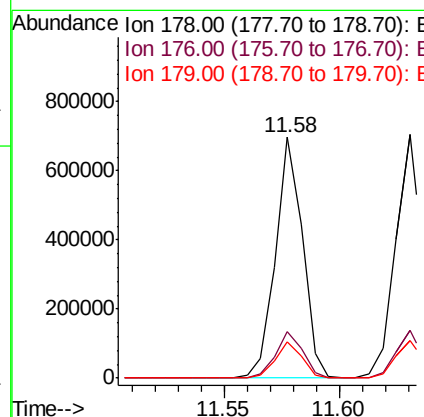
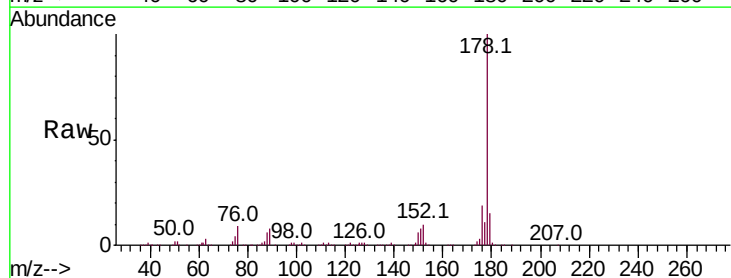
Manual Integrations
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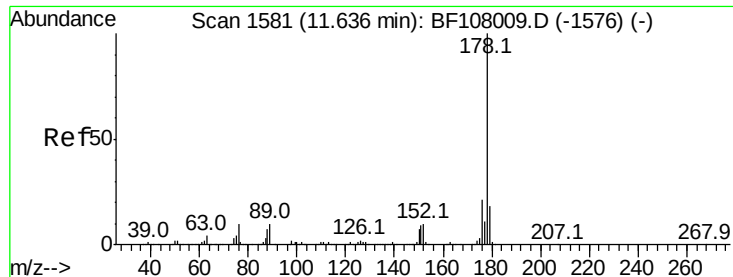
Sohil
 8/9/2018 5:01:27 PM



#70
 Phenanthrene
 Concen: 31.645 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.9	13.0	19.6





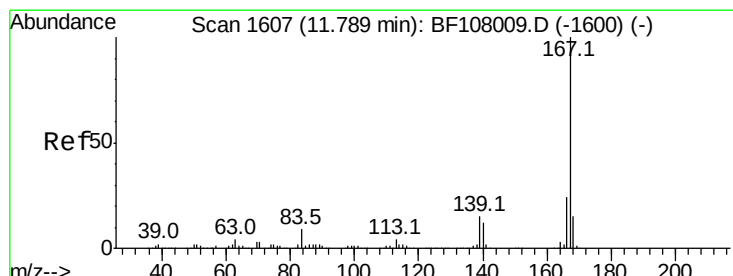
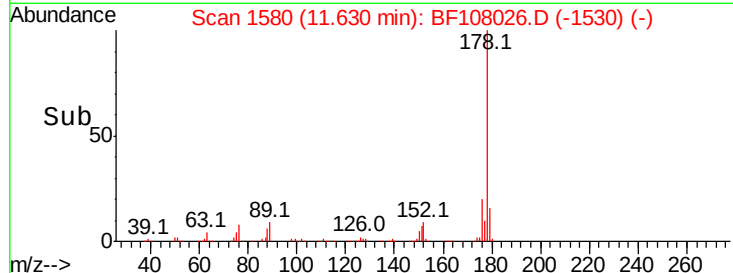
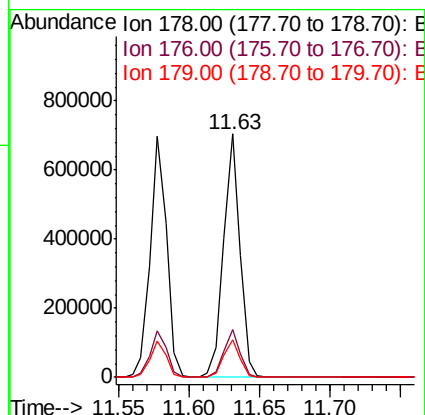
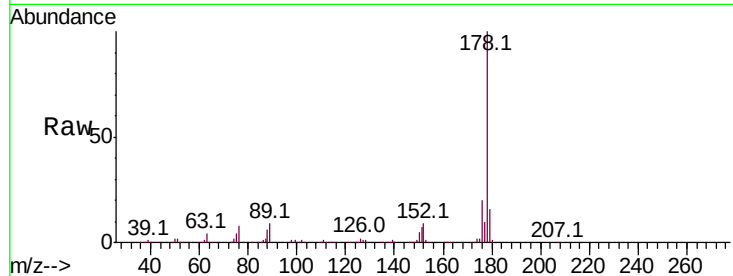
#71
 Anthracene
 Concen: 31.125 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.6	12.6	19.0

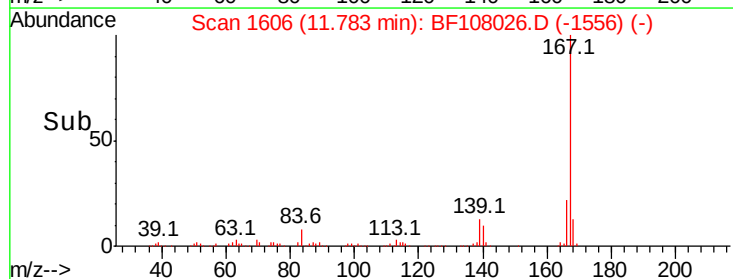
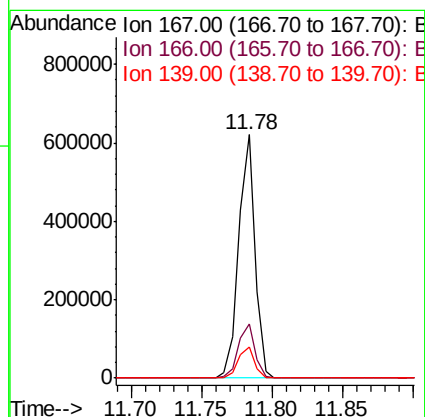
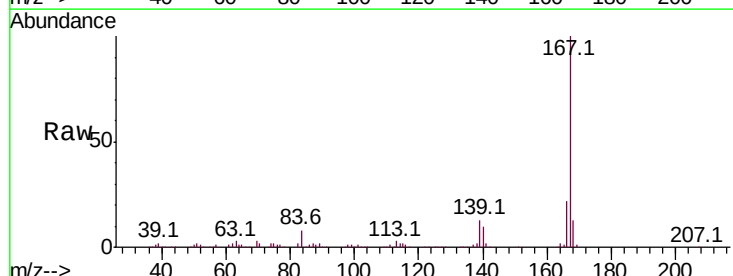
Manual Integrations
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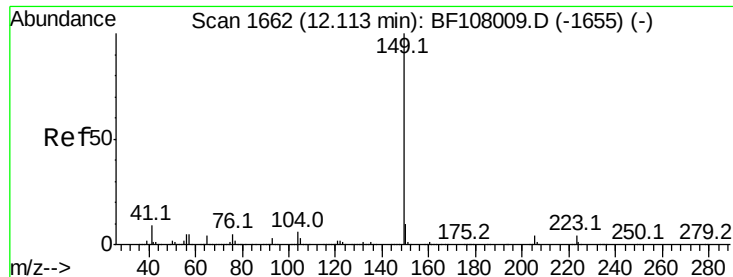
Sohil
 8/9/2018 5:01:27 PM



#72
 Carbazole
 Concen: 30.770 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	12.6	10.9	16.3





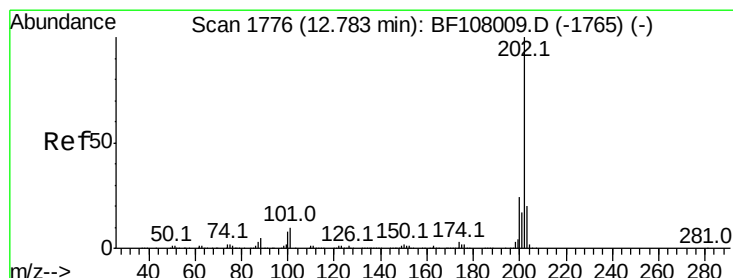
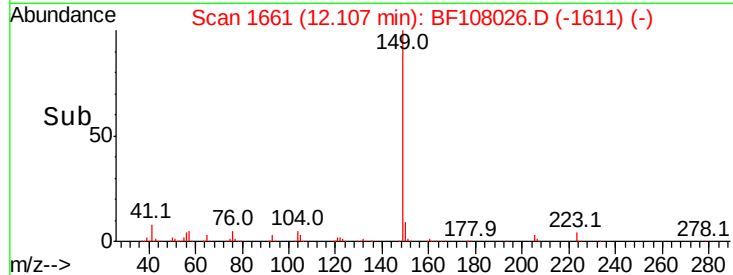
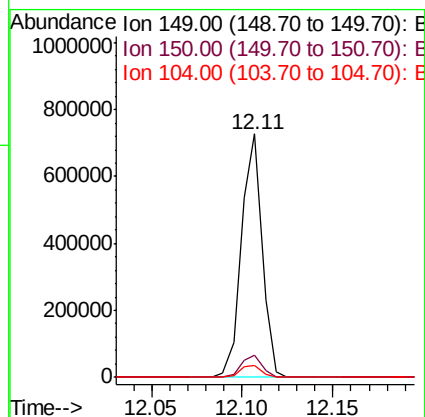
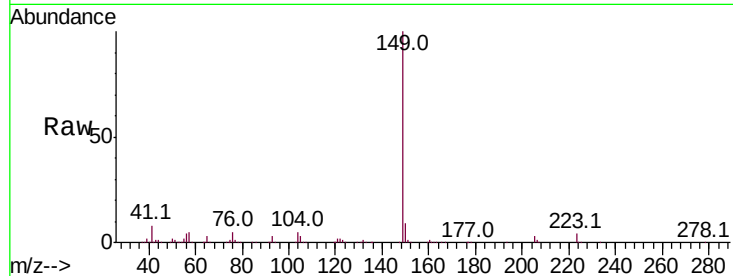
#73
Di-n-butylphthalate
Concen: 31.341 ng
RT: 12.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.1	7.8	11.6
104	5.0	3.8	5.8

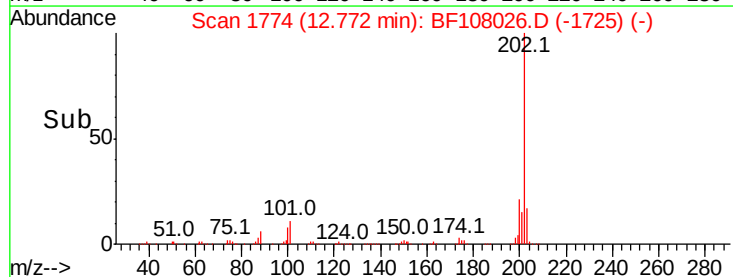
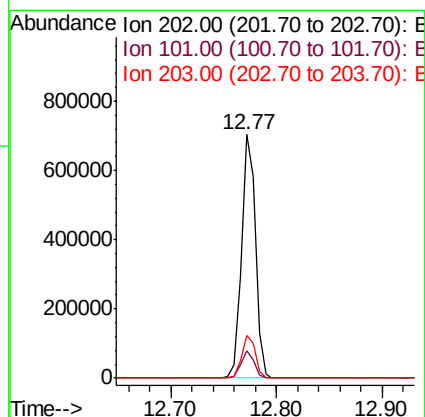
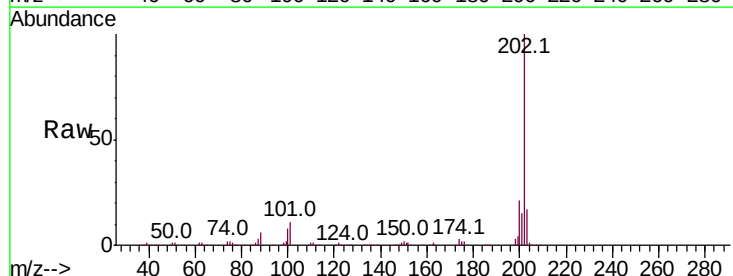
Manual Integrations
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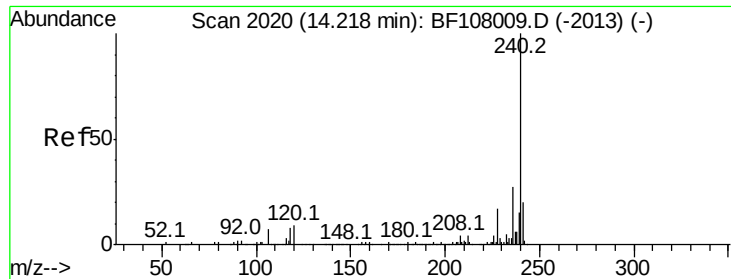
Sohil
8/9/2018 5:01:27 PM



#74
Fluoranthene
Concen: 31.895 ng
RT: 12.77 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

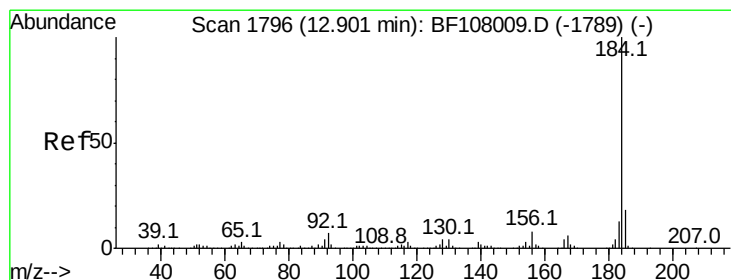
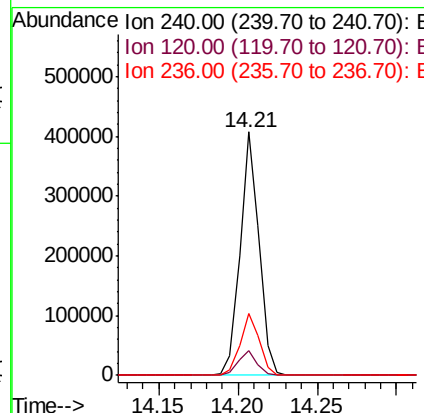
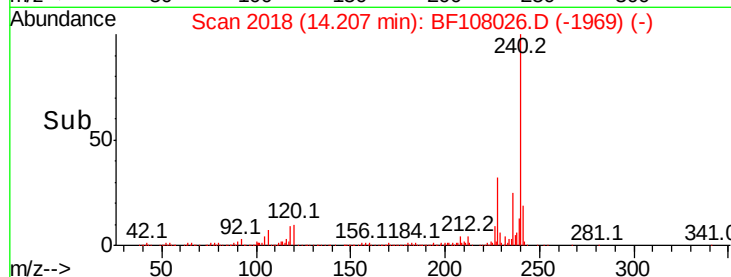
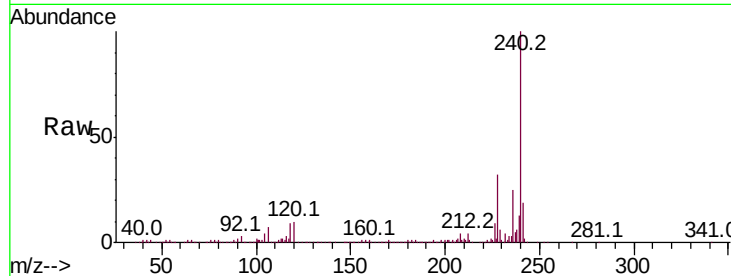
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	25.2	20.7	31.1

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#76

Benzidine

Concen: 11.141 ng

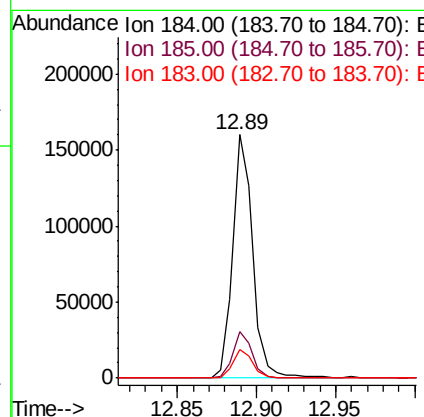
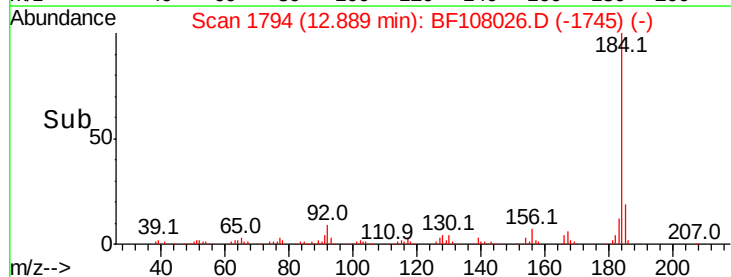
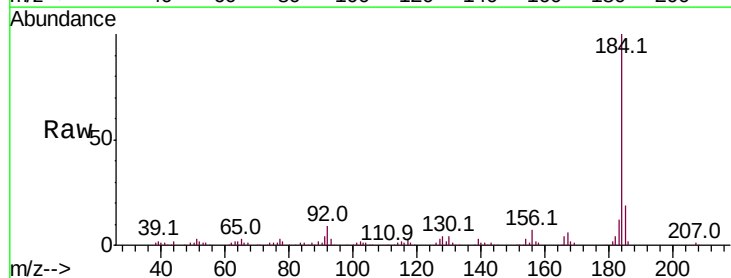
RT: 12.89 min Scan# 1794

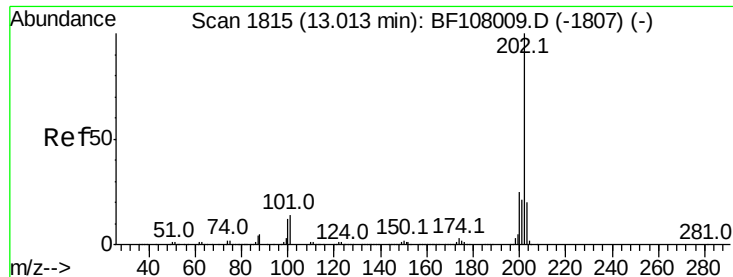
Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.1	12.6	18.8#
183	11.9	9.3	13.9





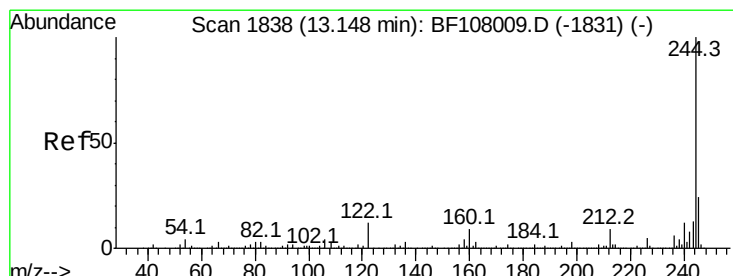
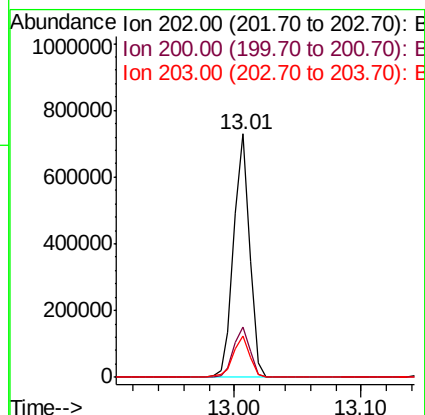
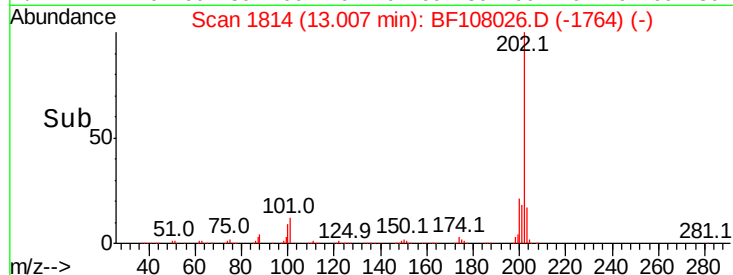
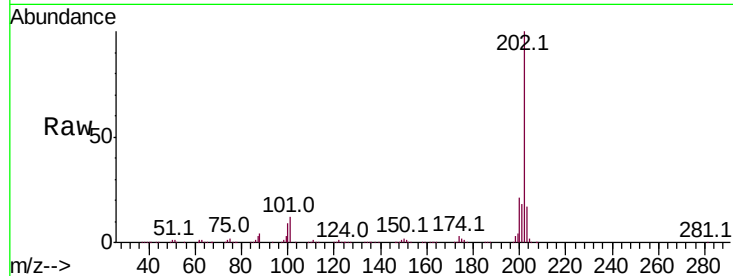
#77
Pvrene
Concen: 29.482 ng
RT: 13.01 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	17.4	26.2	
203	17.2	14.3	21.5	

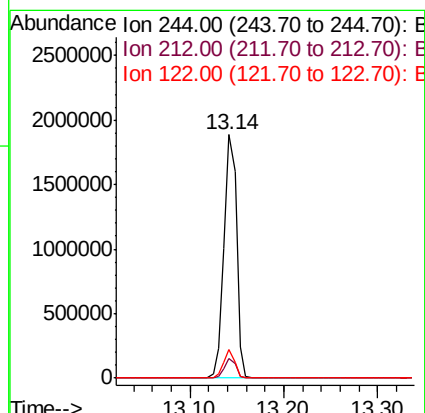
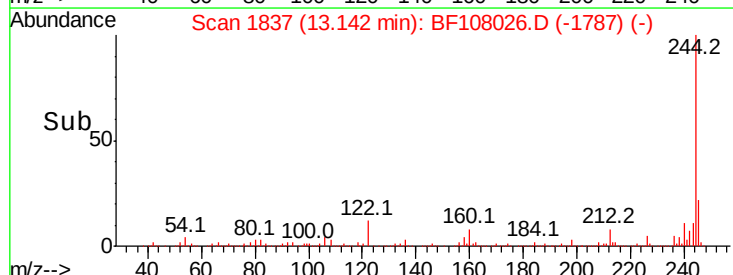
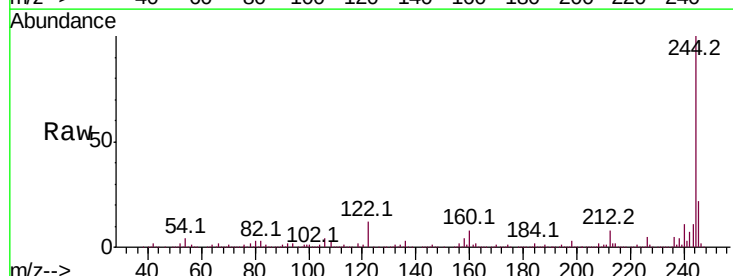
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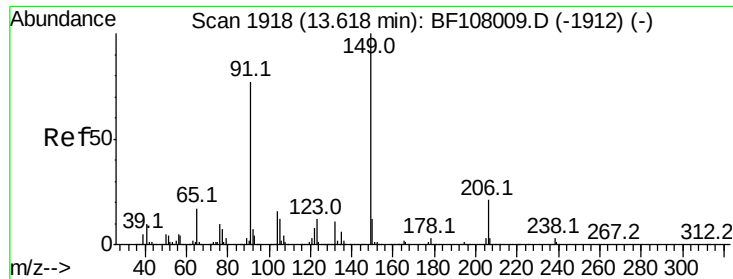
Sohil
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#78
Terphenyl-d14
Concen: 134.084 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.0	5.4	8.0	
122	11.6	11.0	16.4	





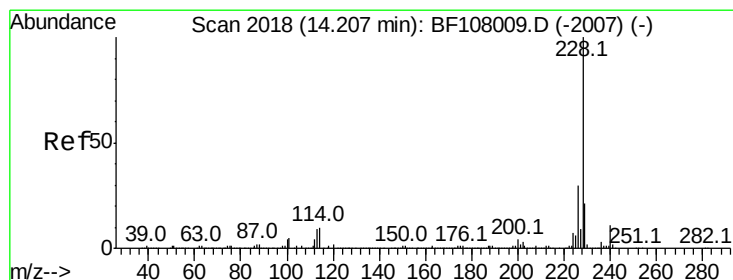
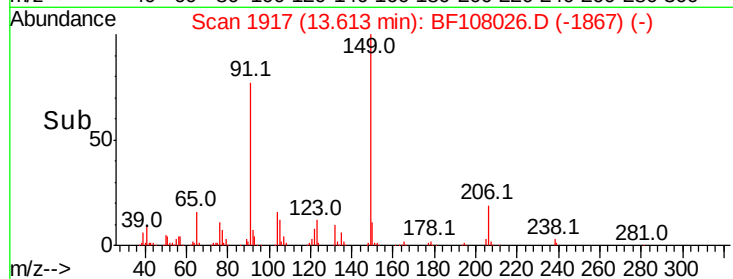
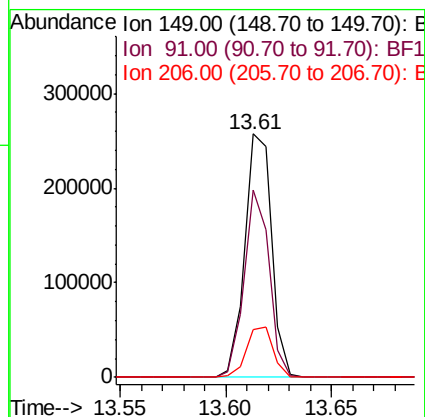
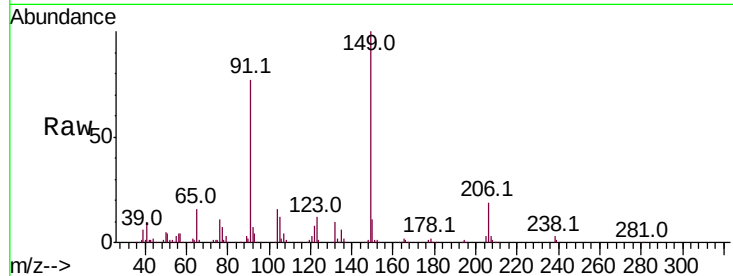
#79
Butylbenzylphthalate
Concen: 26.803 ng
RT: 13.61 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion:	149	Resp:	226593
Ion Ratio	Lower	Upper	
149	100		
91	77.0	56.8	85.2
206	19.5	14.1	21.1

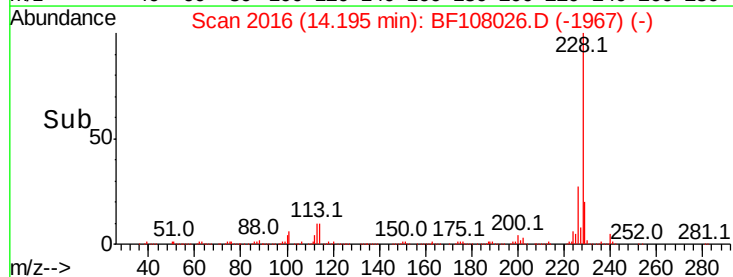
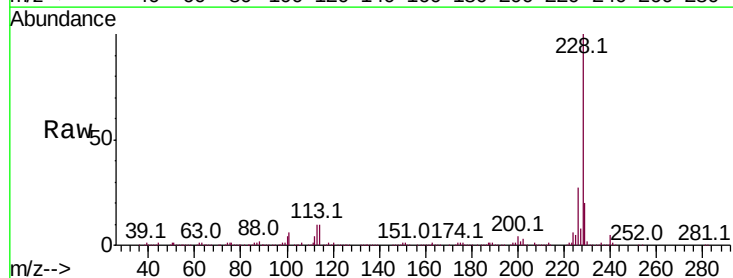
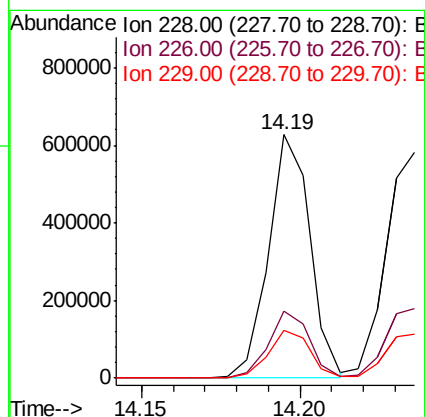
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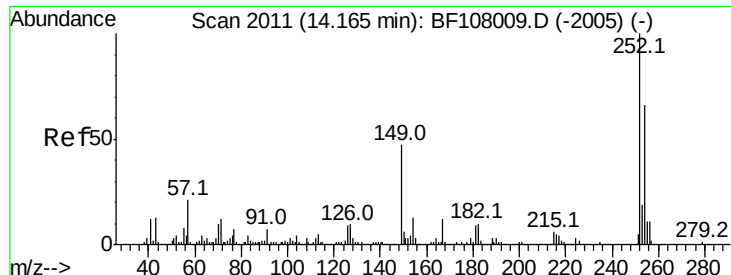
Sohil
8/9/2018 5:01:27 PM



#80
Benzo(a)anthracene
Concen: 29.531 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion:	228	Resp:	569937
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.6	33.8
229	19.6	15.8	23.6





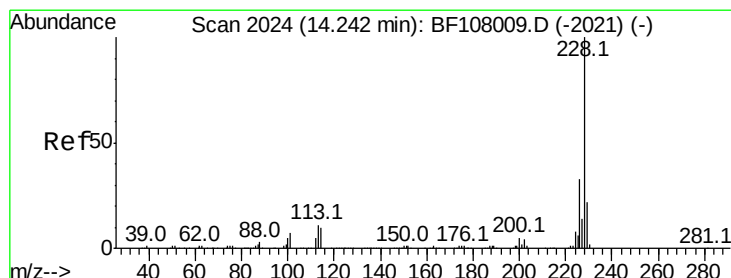
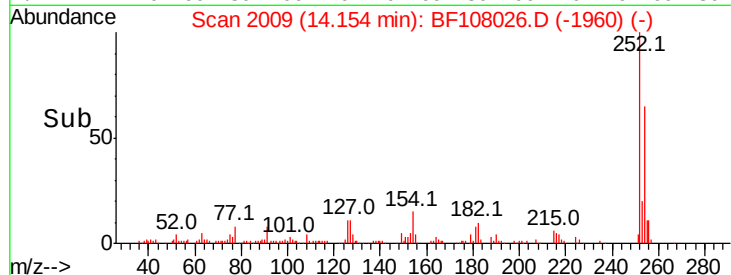
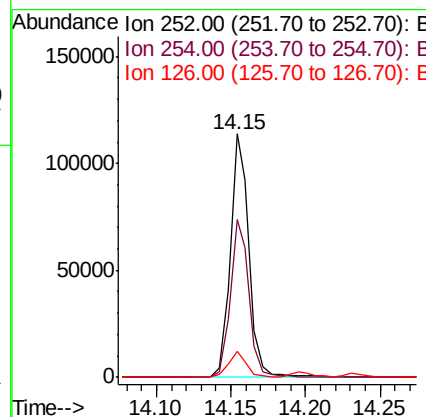
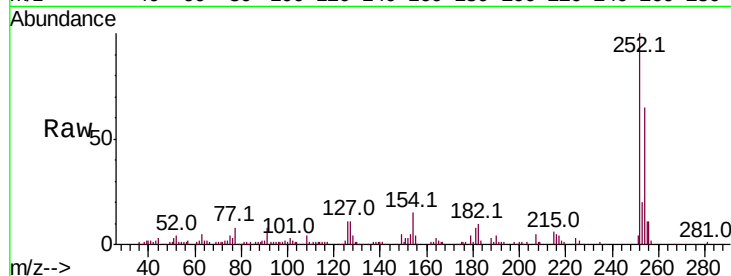
#81
 3,3'-Dichlorobenzidine
 Concen: 14.512 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.9	50.4	75.6
126	10.5	11.3	16.9#

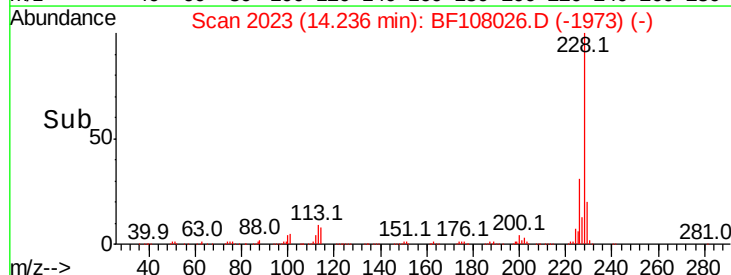
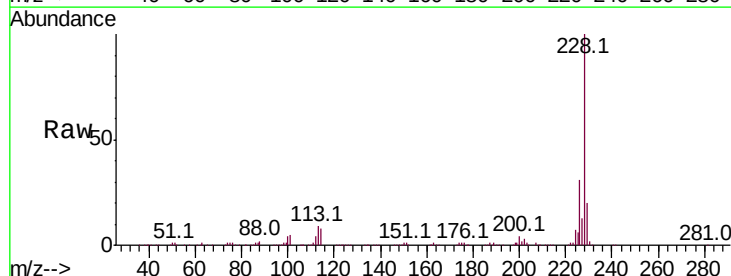
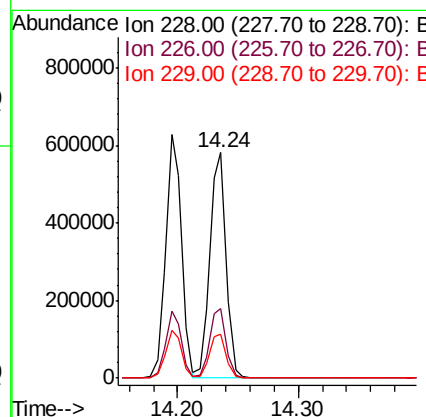
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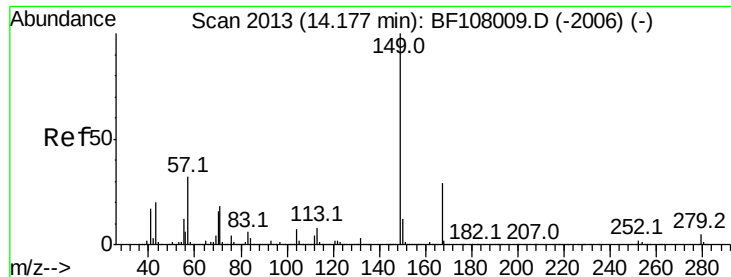
Sohil
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#82
 Chrysene
 Concen: 30.363 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.7	25.0	37.6
229	19.8	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 28.633 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:149 Resp: 327810

Ion Ratio Lower Upper

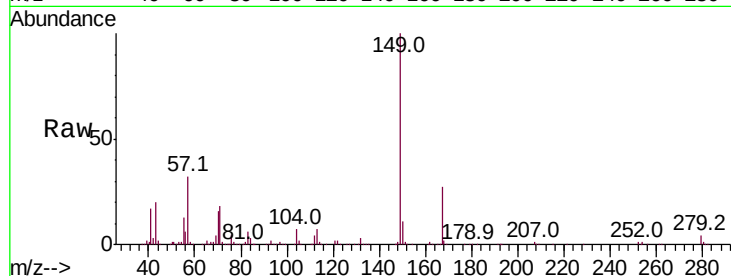
149 100

167 26.8 21.3 31.9

279 4.5 3.0 4.4#

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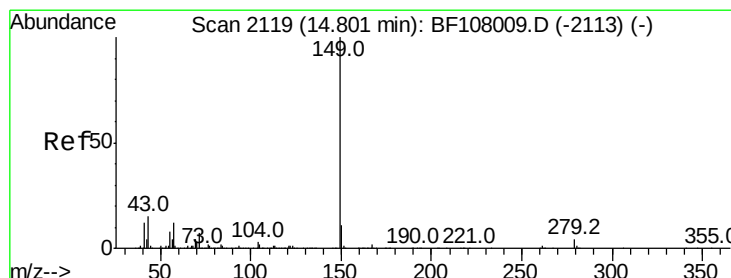
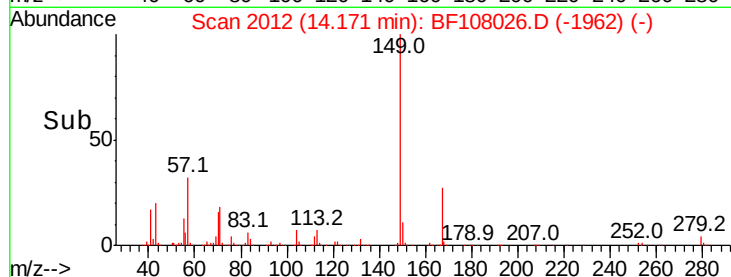
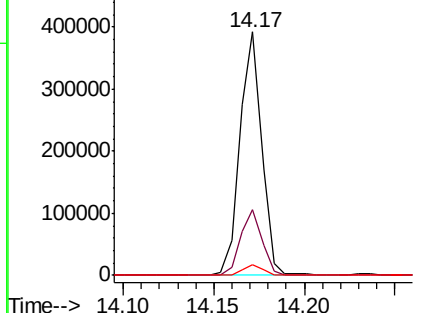
Sohil
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 28.257 ng

RT: 14.79 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Tgt Ion:149 Resp: 493366

Ion Ratio Lower Upper

149 100

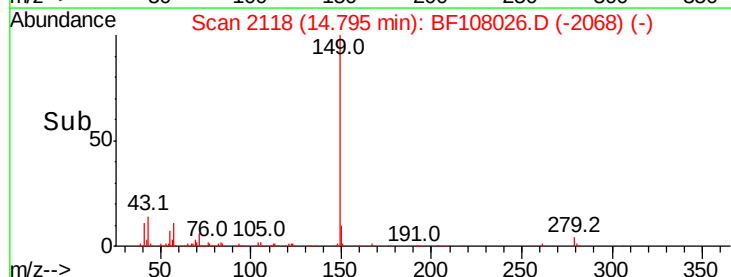
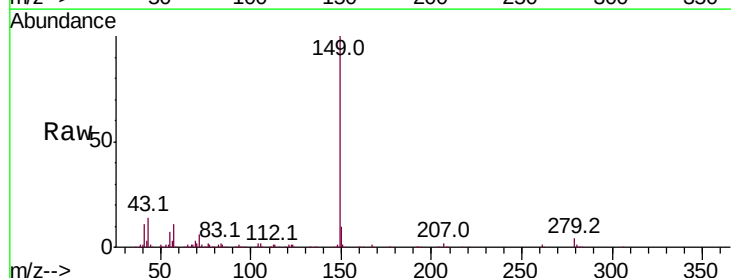
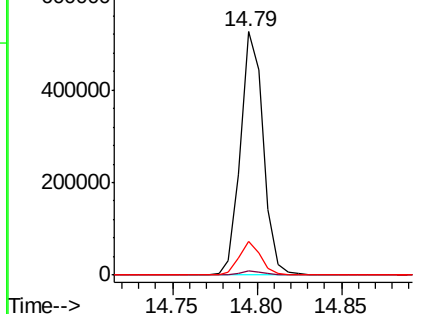
167 1.5 1.2 1.8

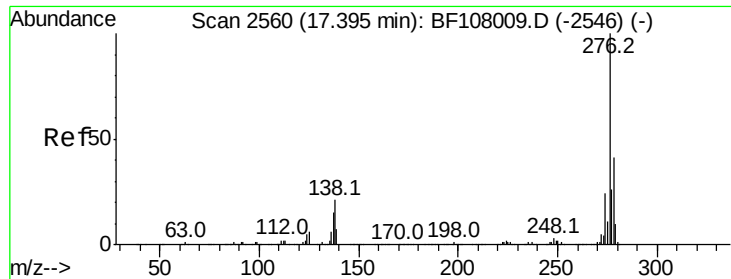
43 12.8 8.4 12.6#

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





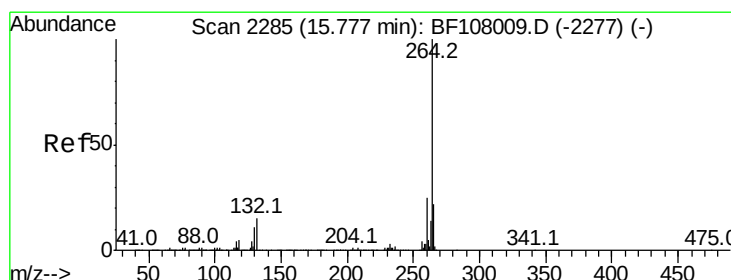
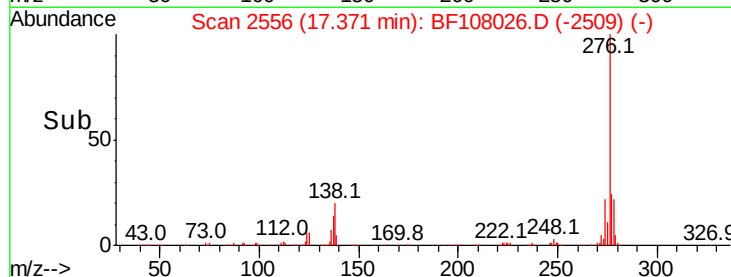
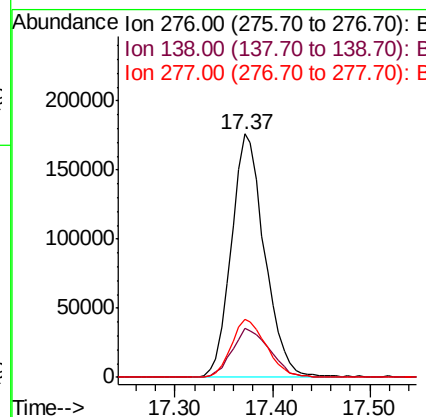
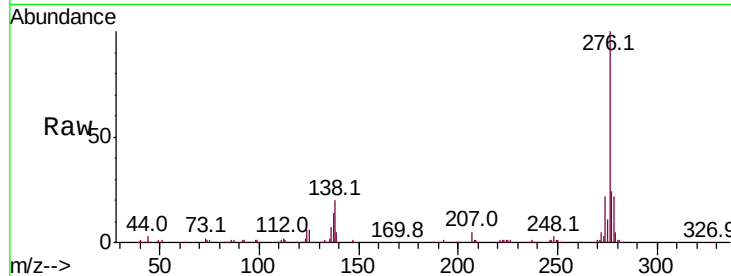
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 27.211 ng
 RT: 17.37 min Scan# 2556
 Delta R.T. -0.02 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	25.1	20.1	30.1

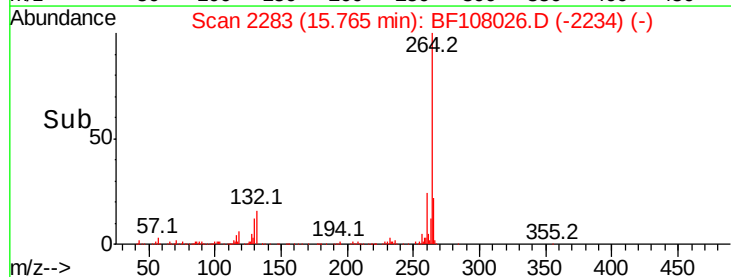
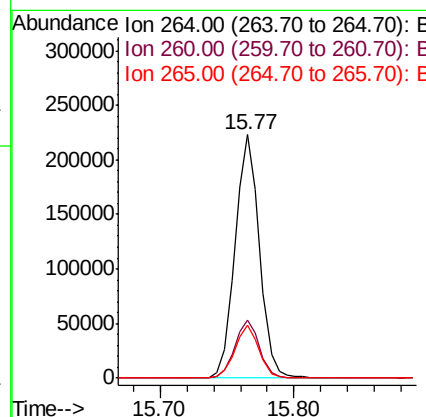
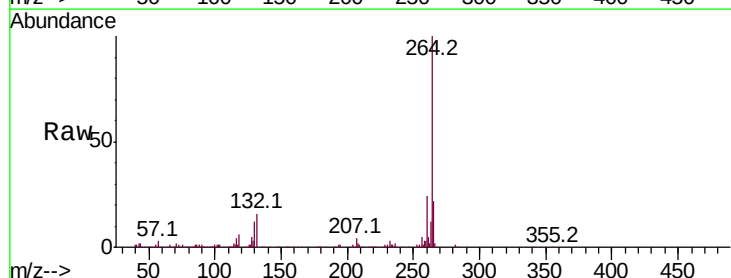
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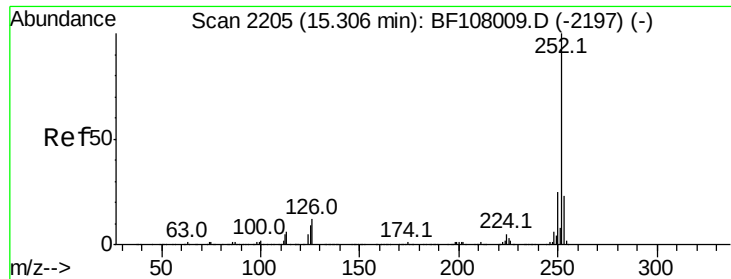
Sohil
 8/9/2018 5:01:27 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF108026.D
 Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	17.5	26.3





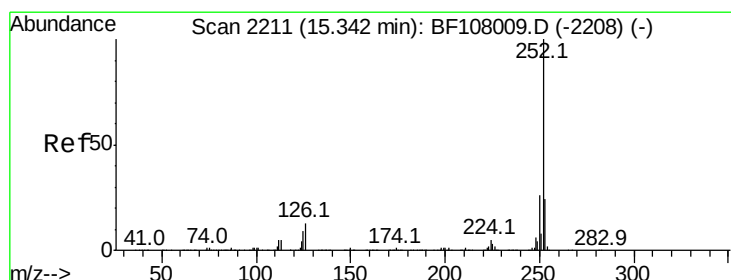
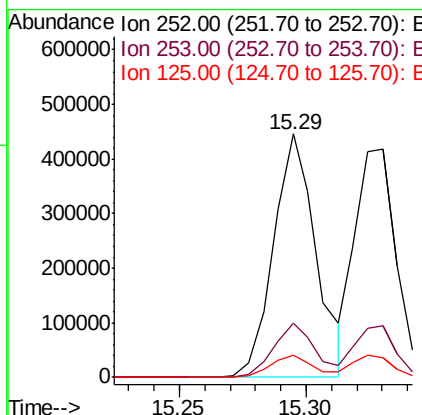
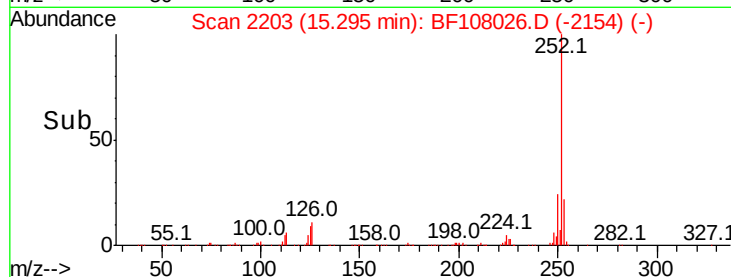
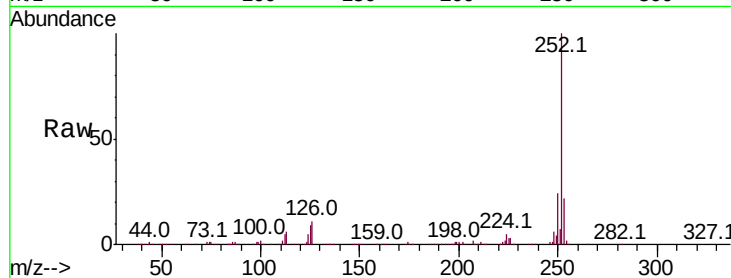
#87
Benzo(b)fluoranthene
Concen: 30.675 ng
RT: 15.29 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	9.1	9.0	13.6

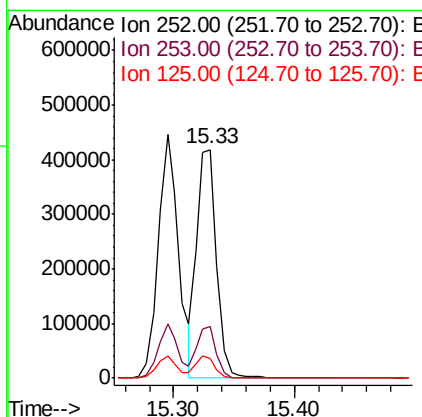
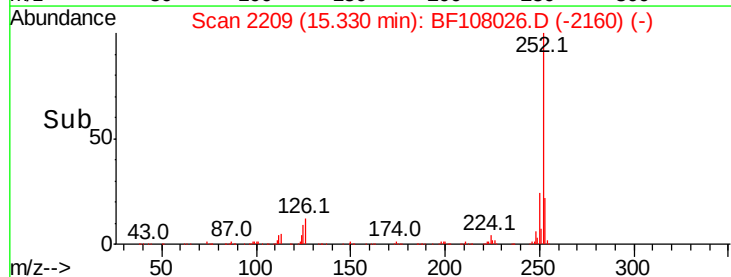
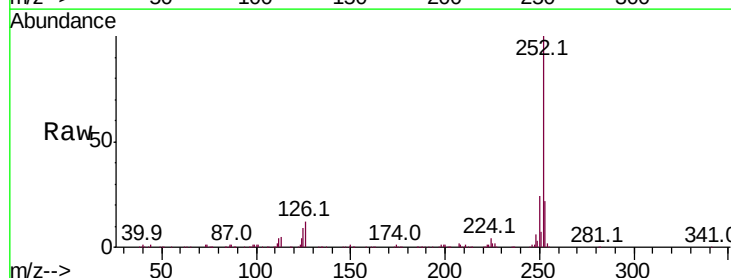
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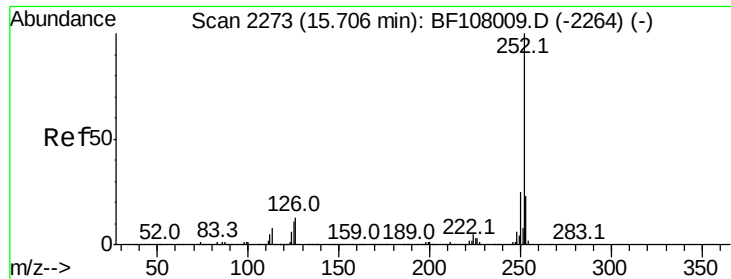
Sohil
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#88
Benzo(k)fluoranthene
Concen: 30.415 ng
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	8.6	10.2	15.2#





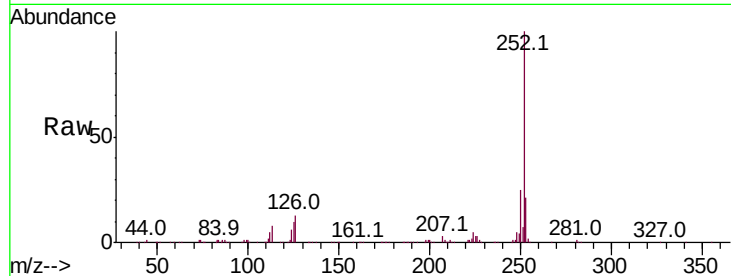
#89
Benzo(a)pyrene
Concen: 29.580 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

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

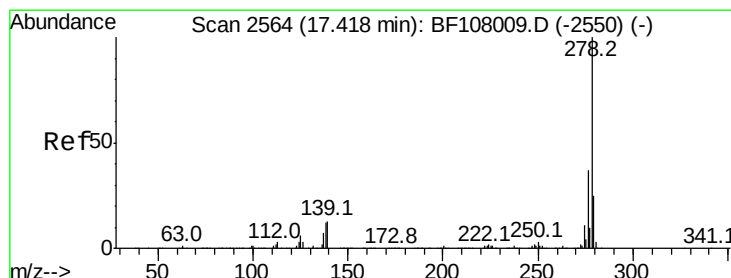
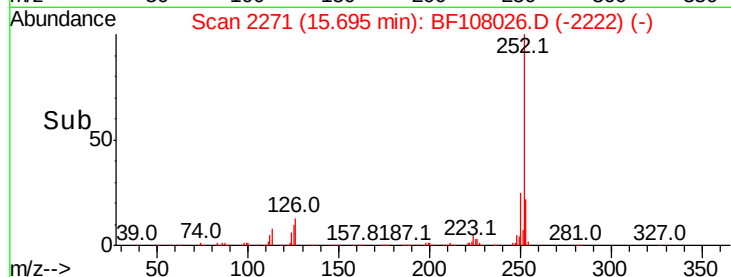
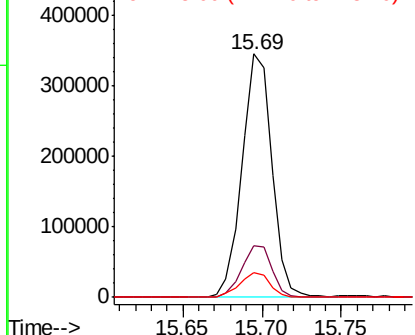
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	10.2	9.8	14.6

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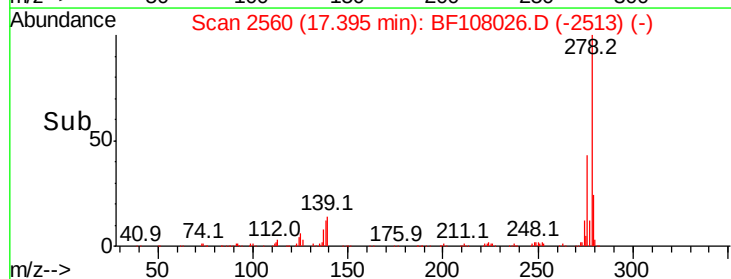
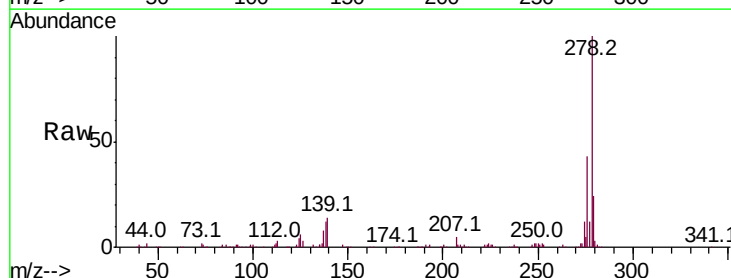
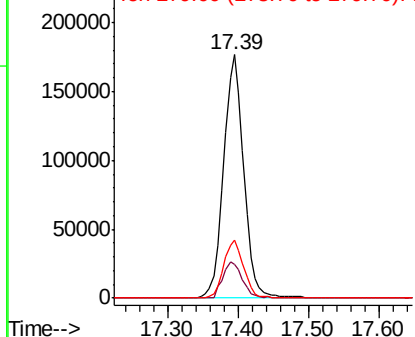
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

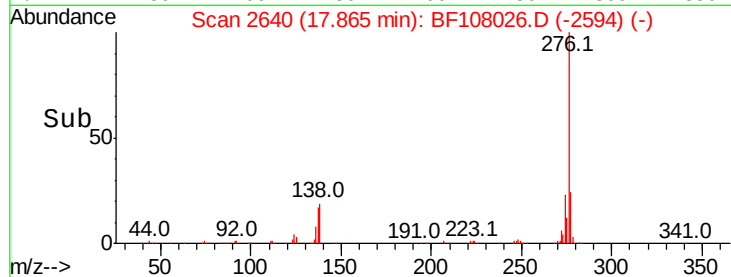
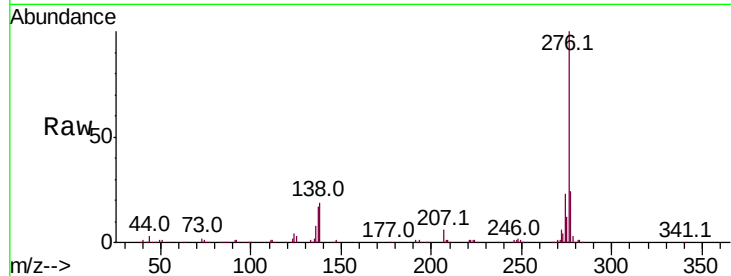
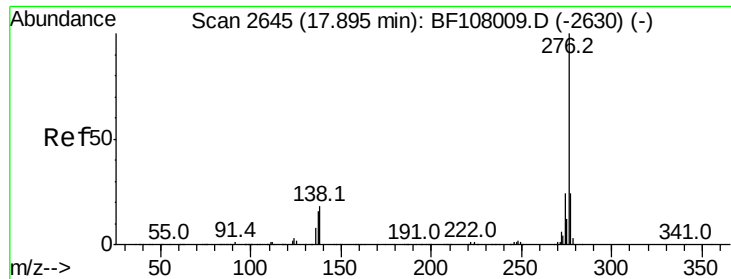


#90
Dibenzo(a,h)anthracene
Concen: 27.806 ng
RT: 17.39 min Scan# 2560
Delta R.T. -0.02 min
Lab File: BF108026.D
Acq: 8 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.9	15.9	23.9#
279	23.9	19.0	28.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 27.206 ng

RT: 17.87 min Scan# 2640

Delta R.T. -0.03 min

Lab File: BF108026.D

Acq: 8 Aug 2018 18:17

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	276	Resp:	337937
Ion Ratio	Lower	Upper	
276	100		
277	23.6	17.9	26.9
138	19.1	21.8	32.8#

Manual Integrations
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