

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108036.D
 Acq On : 8 Aug 2018 22:54
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 2 PPM
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 8/9/2018 5:01:43 PM

Quant Time: Aug 09 08:05:15 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	287677	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1155392	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	619067	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1288389	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1112768	20.00	ng	-0.01
86) Perylene-d12	15.76	264	927652	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	2032842	127.93	ng	0.00
7) Phenol-d6	6.63	99	2723598	128.99	ng	0.00
23) Nitrobenzene-d5	7.58	82	1770855	85.53	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	876532	141.95	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3151084	81.72	ng	0.00
78) Terphenyl-d14	13.15	244	3764171	86.01	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.92	88	17389	2.130	ng	# 87
3) Pyridine	3.76	79	45650	2.170	ng	# 77
4) n-Nitrosodimethylamine	3.64	42	26104m	2.206	ng	
6) Aniline	6.68	93	38383	1.336	ng	94
8) 2-Chlorophenol	6.79	128	39674	2.217	ng	86
9) Benzaldehyde	6.57	77	32288	1.972	ng	94
10) Phenol	6.64	94	48657	2.228	ng	# 10
11) bis(2-Chloroethyl)ether	6.74	93	40377	2.287	ng	93
12) 1,3-Dichlorobenzene	6.95	146	46557	2.250	ng	99
13) 1,4-Dichlorobenzene	7.03	146	48002	2.309	ng	96
14) 1,2-Dichlorobenzene	7.18	146	42697	2.208	ng	99
15) Benzyl Alcohol	7.14	79	23587	1.327	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.28	45	82379	2.265	ng	97
17) 2-Methylphenol	7.24	107	35056	2.284	ng	94
18) Hexachloroethane	7.53	117	15877	2.145	ng	# 89
19) n-Nitroso-di-n-propylamine	7.41	70	31875	2.232	ng	# 83
20) 3+4-Methylphenols	7.39	107	44735	2.275	ng	92
22) Acetophenone	7.41	105	62631	2.318	ng	93
24) Nitrobenzene	7.59	77	51601	2.465	ng	91
25) Isophorone	7.82	82	84974	2.153	ng	# 93
26) 2-Nitrophenol	7.91	139	12589	1.592	ng	91
27) 2,4-Dimethylphenol	7.93	122	37841	2.160	ng	95
28) bis(2-Chloroethoxy)methane	8.03	93	51711	2.245	ng	97
29) 2,4-Dichlorophenol	8.14	162	30331	1.882	ng	97
30) 1,2,4-Trichlorobenzene	8.23	180	39070	2.198	ng	97
31) Naphthalene	8.32	128	126405	2.406	ng	99
32) Benzoic acid	7.96	122	5653	6.461	ng	93
33) 4-Chloroaniline	8.36	127	32880	1.436	ng	98
34) Hexachlorobutadiene	8.43	225	24761	2.201	ng	97
35) Caprolactam	8.68	113	10037	1.987	ng	# 84
36) 4-Chloro-3-methylphenol	8.82	107	35372	2.034	ng	95
37) 2-Methylnaphthalene	9.01	142	87968	2.366	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	44079	2.319	ng	96
40) Hexachlorocyclopentadiene	9.16	237	22991	1.872	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	20660	1.751	nq	97
43) 2,4,5-Trichlorophenol	9.31	196	26589	2.047	nq	95
45) 1,1'-Biphenyl	9.47	154	115593	2.533	nq	99
46) 2-Chloronaphthalene	9.50	162	86785	2.406	nq	94
47) 2-Nitroaniline	9.59	65	22258	1.907	nq	85
48) Acenaphthylene	9.92	152	138743	2.433	nq	100
49) Dimethylphthalate	9.76	163	102416	2.375	nq	98
50) 2,6-Dinitrotoluene	9.83	165	18469	2.047	nq	96
51) Acenaphthene	10.09	154	85548	2.449	nq	98
52) 3-Nitroaniline	10.00	138	17103	1.733	nq	# 96
53) 2,4-Dinitrophenol	10.10	184	2118	7.593	nq	# 1
54) Dibenzofuran	10.27	168	127281	2.515	nq	99
55) 4-Nitrophenol	10.14	139	11496	1.538	nq	90
56) 2,4-Dinitrotoluene	10.23	165	20709	1.783	nq	# 88
57) Fluorene	10.61	166	102008	2.546	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.38	232	19667	1.812	nq	# 92
59) Diethylphthalate	10.47	149	97734	2.341	nq	97
60) 4-Chlorophenyl-phenylether	10.60	204	49245	2.359	nq	88
61) 4-Nitroaniline	10.61	138	19004	1.947	nq	89
62) Azobenzene	10.76	77	100695	2.335	nq	93
64) 4,6-Dinitro-2-methylphenol	10.64	198	4245	6.138	nq	# 74
65) n-Nitrosodiphenylamine	10.71	169	86998	2.285	nq	95
66) 4-Bromophenyl-phenylether	11.09	248	32722	2.337	nq	91
67) Hexachlorobenzene	11.16	284	33350	2.264	nq	# 84
68) Atrazine	11.23	200	26618	2.084	nq	97
69) Pentachlorophenol	11.35	266	9187	1.303	nq	96
70) Phenanthrene	11.58	178	156697	2.579	nq	97
71) Anthracene	11.63	178	157914	2.535	nq	98
72) Carbazole	11.78	167	133413	2.411	nq	97
73) Di-n-butylphthalate	12.11	149	142948	2.281	nq	100
74) Fluoranthene	12.77	202	165251	2.492	nq	94
76) Benzidine	12.89	184	20182	0.485	nq	# 90
77) Pyrene	13.00	202	167085	2.372	nq	97
79) Butylbenzylphthalate	13.61	149	46682	1.669	nq	97
80) Benzo(a)anthracene	14.19	228	148907	2.332	nq	98
81) 3,3'-Dichlorobenzidine	14.15	252	25417	1.111	nq	96
82) Chrysene	14.23	228	140277	2.396	nq	99
83) Bis(2-ethylhexyl)phthalate	14.17	149	70752	1.868	nq	99
84) Di-n-octyl phthalate	14.79	149	93253	1.614	nq	# 93
85) Indeno(1,2,3-cd)pyrene	17.36	276	89114	1.757	nq	# 93
87) Benzo(b)fluoranthene	15.29	252	117523	2.120	nq	98
88) Benzo(k)fluoranthene	15.32	252	117050	2.297	nq	# 96
89) Benzo(a)pyrene	15.69	252	103628	2.088	nq	# 96
90) Dibenzo(a,h)anthracene	17.39	278	74470	1.813	nq	# 93
91) Benzo(g,h,i)perylene	17.85	276	75538	1.868	nq	# 91

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

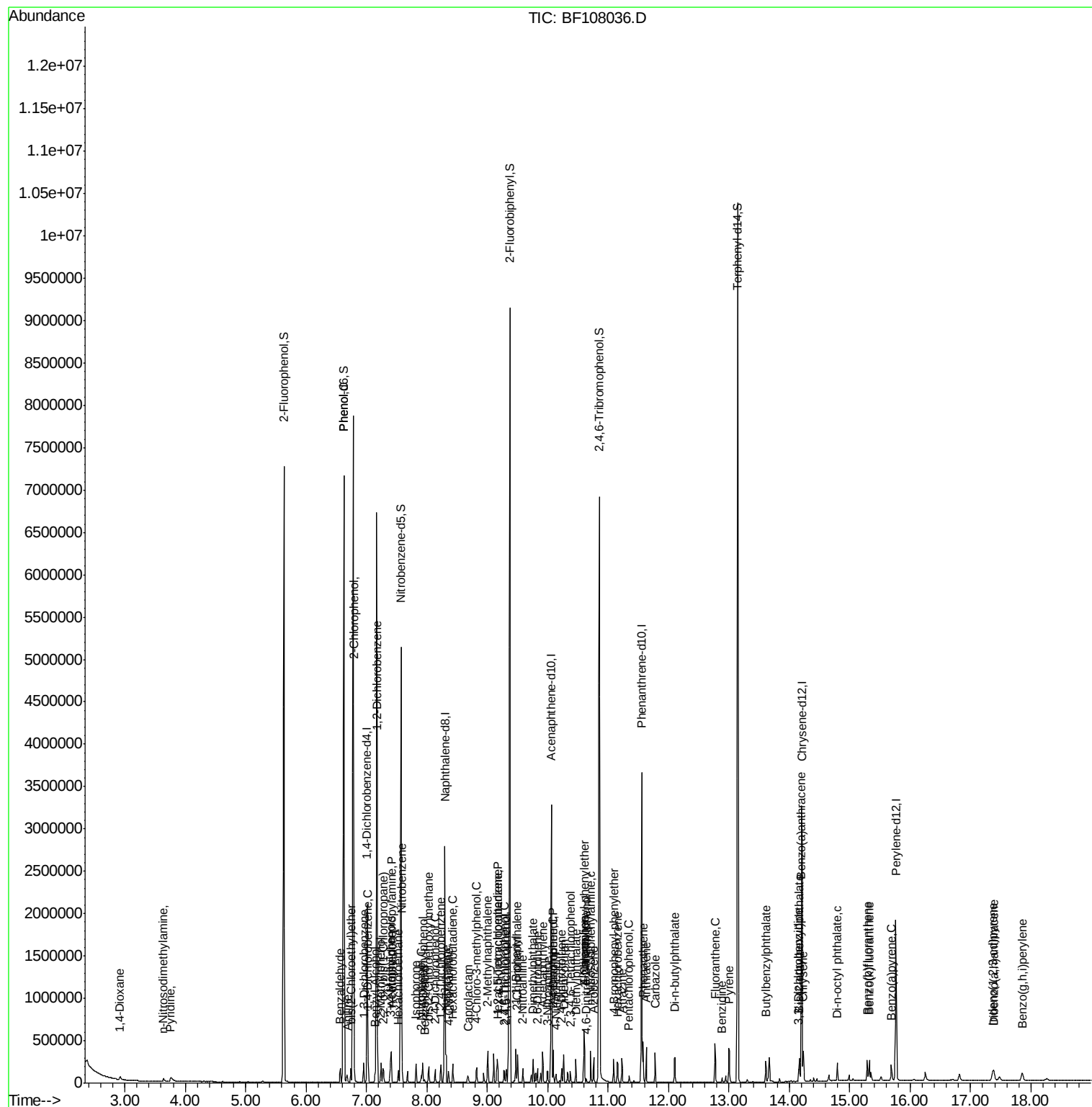
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#1

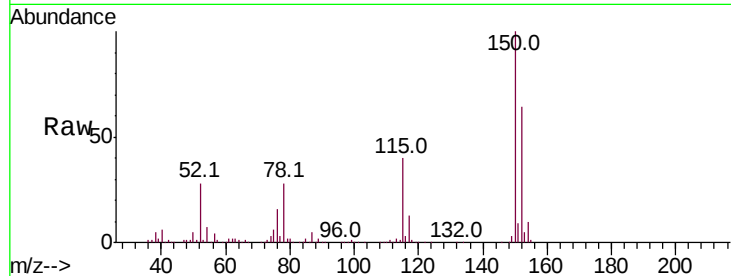
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	61.6	50.1	75.1

Manual Integrations
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8/9/2018 5:01:43 PM

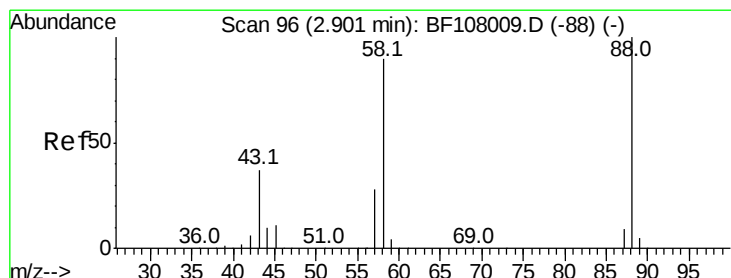
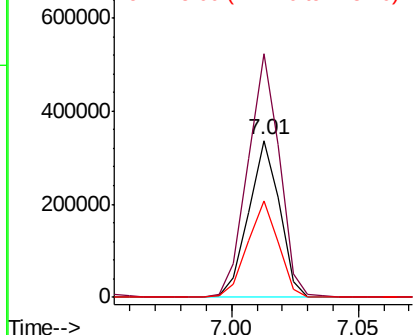
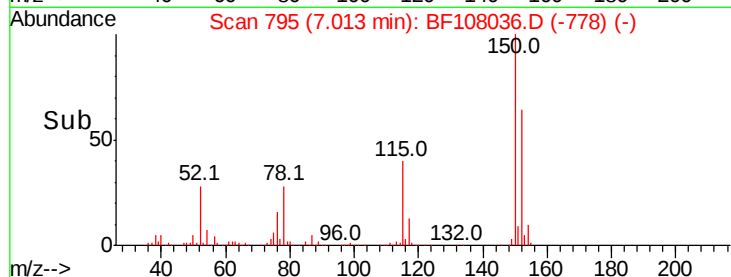


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

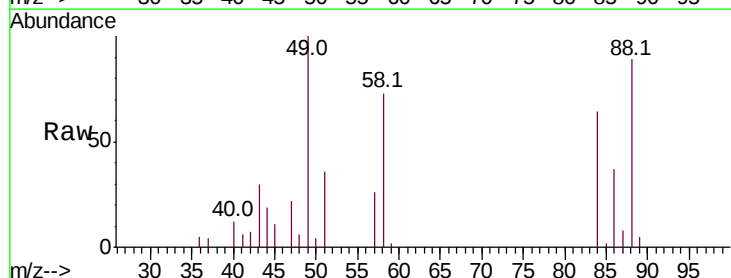
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 2.130 ng
RT: 2.92 min Scan# 100
Delta R.T. 0.02 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.0	62.6	93.8
43	41.2	24.6	37.0

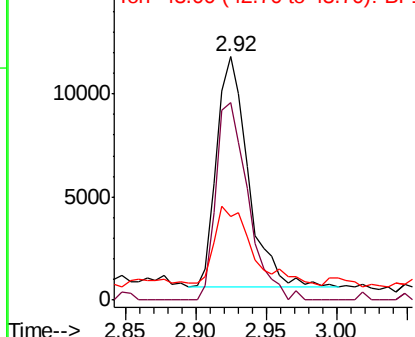
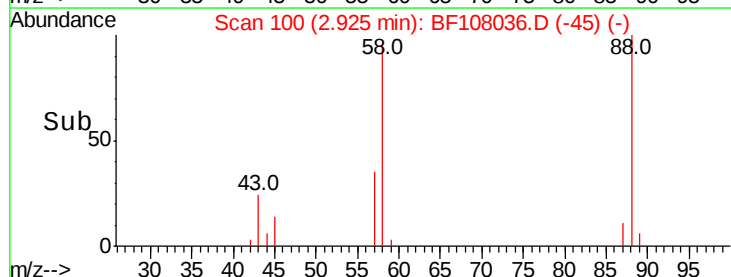


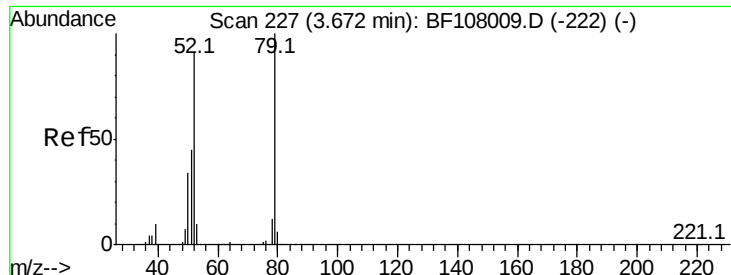
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





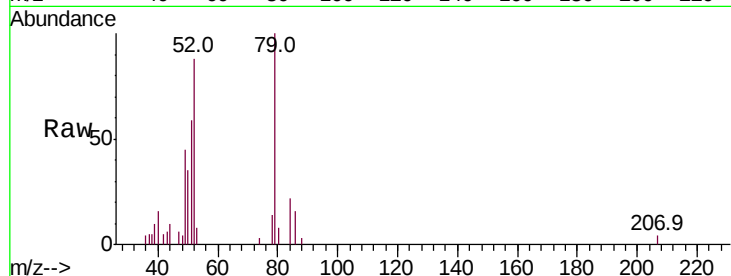
#3
 Pvridine
 Concen: 2.170 ng
 RT: 3.76 min Scan# 242
 Delta R.T. 0.09 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
79	100		
52	88.2	59.8	89.6
51	59.2	29.8	44.8

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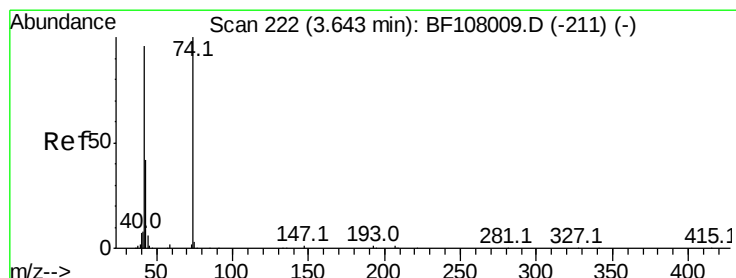
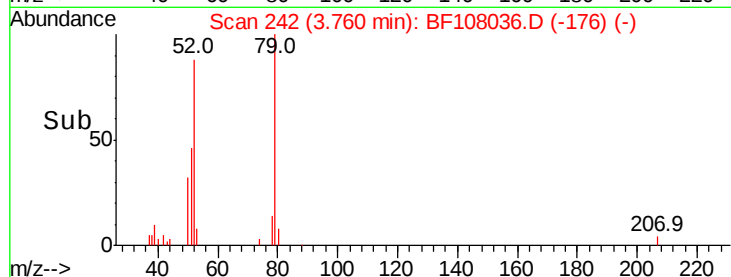
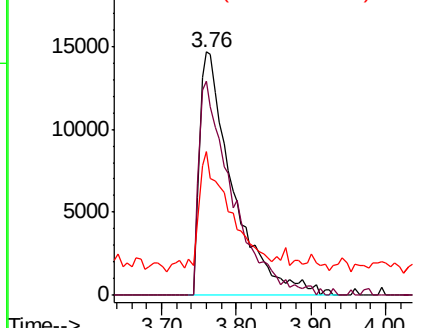


Abundance

Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4
 n-Nitrosodimethylamine
 Concen: 2.206 ng m
 RT: 3.64 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

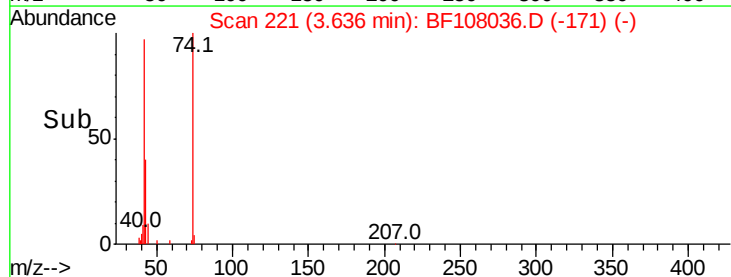
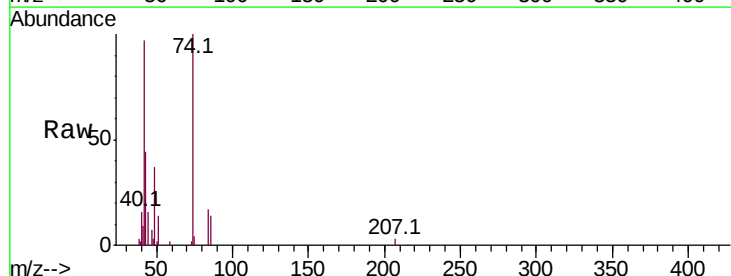
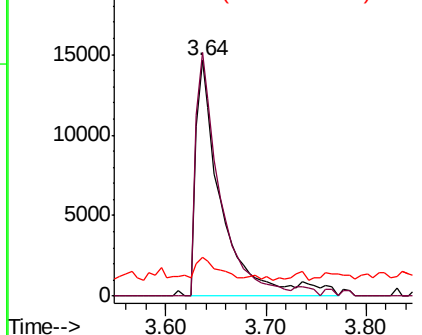
Tgt Ion	Ratio	Lower	Upper
42	100		
74	103.3	104.9	157.3
44	16.7	6.9	10.3

Abundance

Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 127.934 ng

RT: 5.64 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:112 Resp: 2032842

Ion Ratio Lower Upper

112 100

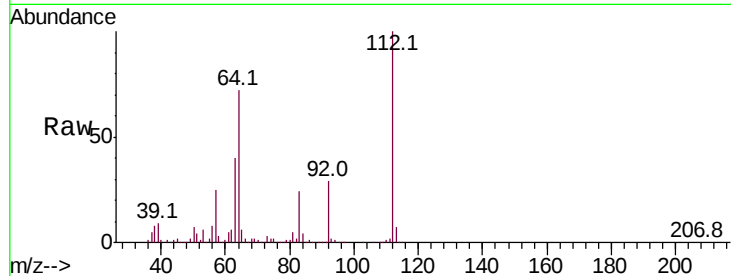
64 72.0 47.9 71.9#

63 39.8 23.7 35.5#

Manual Integrations
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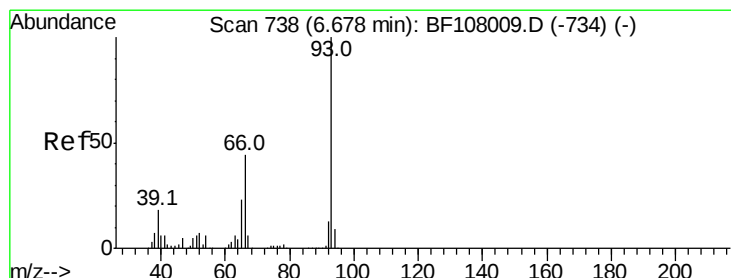
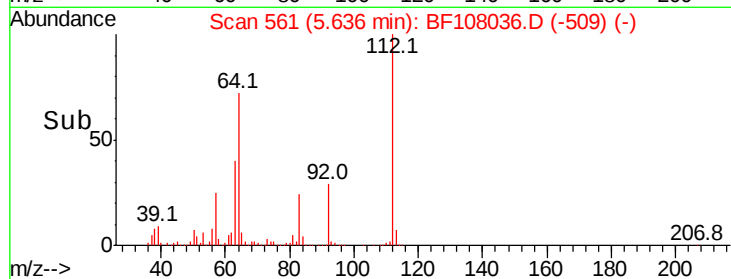
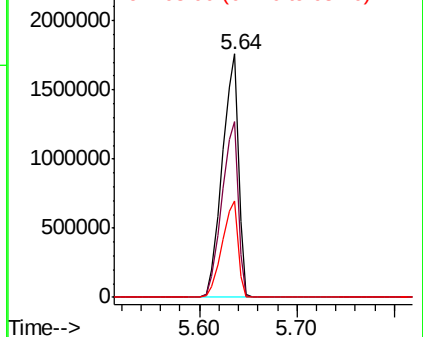
8/9/2018 5:01:43 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 1.336 ng

RT: 6.68 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion: 93 Resp: 38383

Ion Ratio Lower Upper

93 100

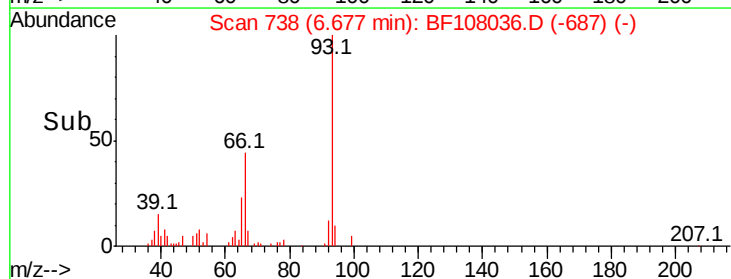
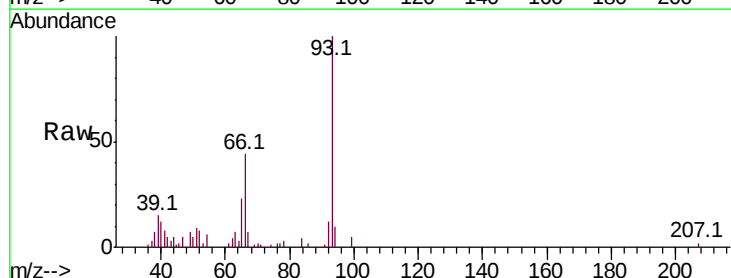
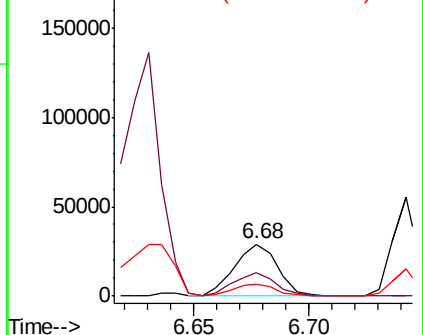
66 44.1 32.2 48.2

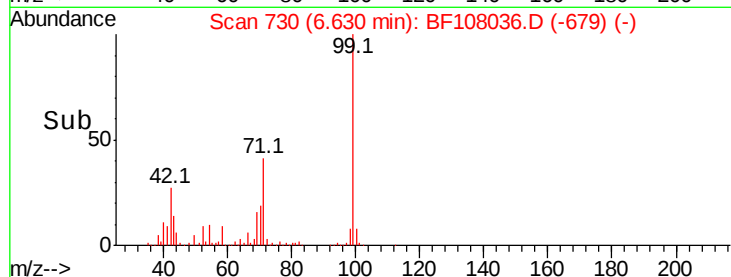
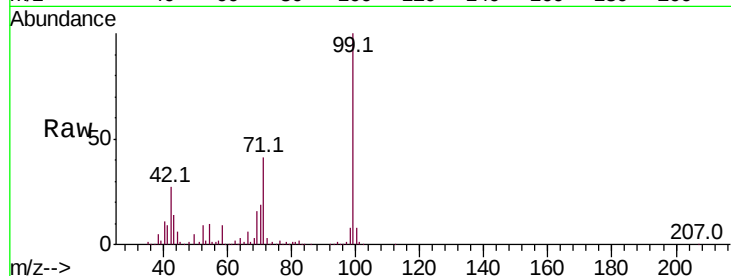
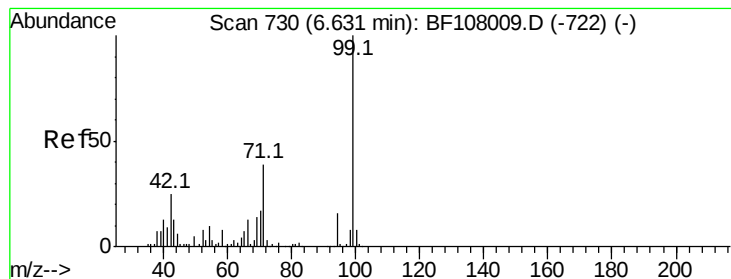
65 23.0 16.4 24.6

Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 128.987 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tot Ion: 99 Resp: 2723598

Ion Ratio Lower Upper

99 100

42 26.8 14.5 21.7#

71 41.2 25.4 38.0#

Instrument :

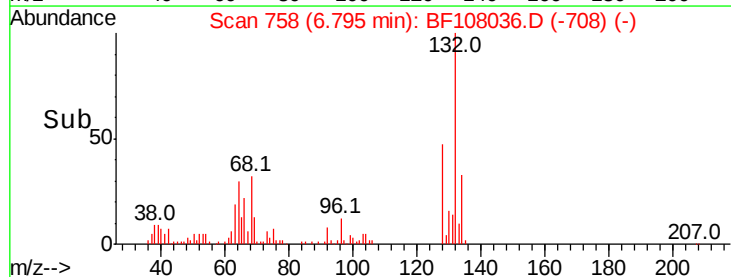
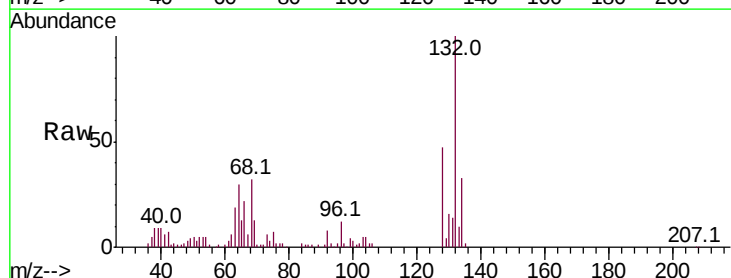
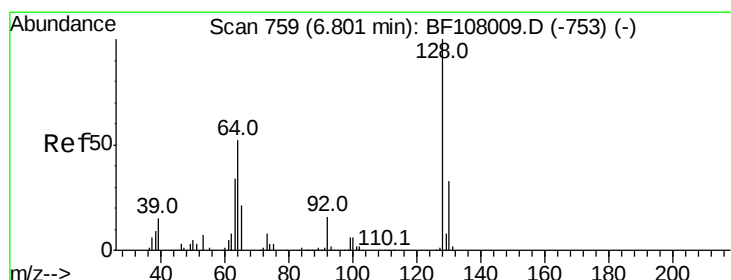
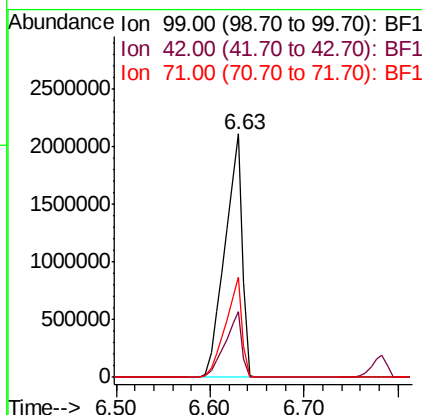
BNA_F

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MDL-SOIL-03-QT3-2018

Manual Integrations
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8/9/2018 5:01:43 PM



#8

2-Chlorophenol

Concen: 2.217 ng

RT: 6.79 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

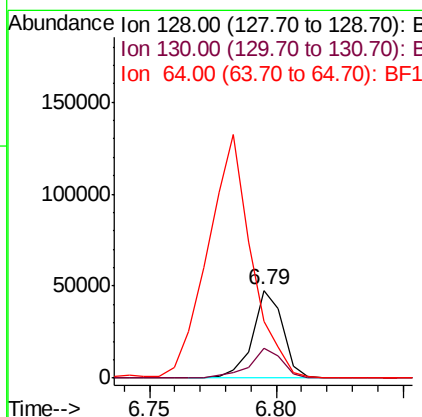
Tgt Ion:128 Resp: 39674

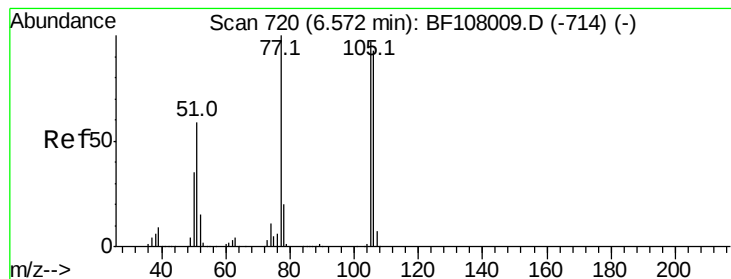
Ion Ratio Lower Upper

128 100

130 33.3 13.0 53.0

64 64.9 29.4 69.4





#9

Benzaldehyde

Concen: 1.972 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

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Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

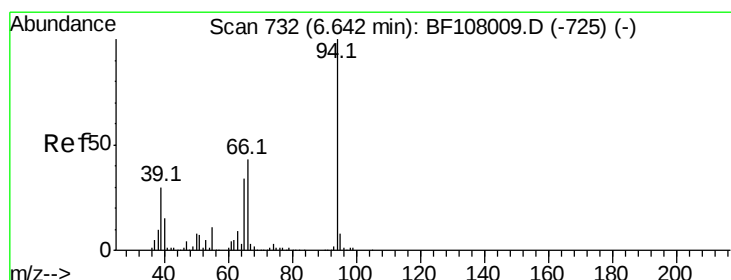
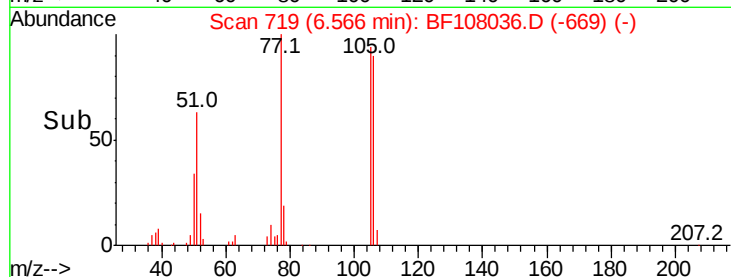
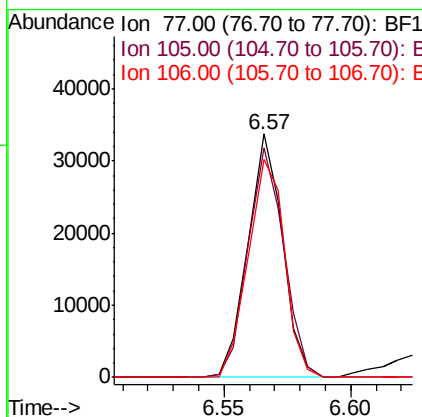
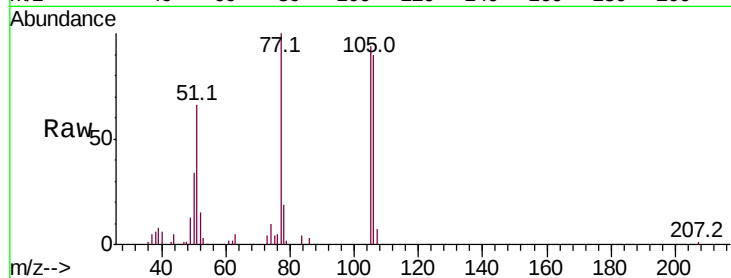
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
77	100		
105	94.1	81.1	121.1
106	89.5	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 2.228 ng

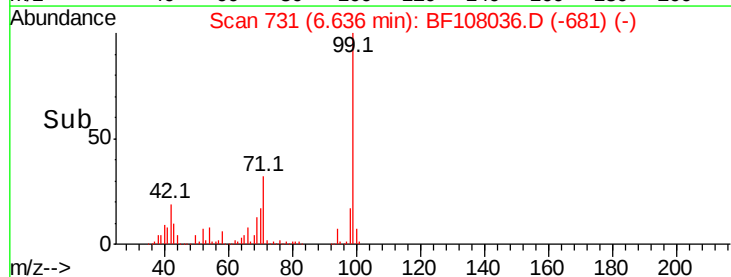
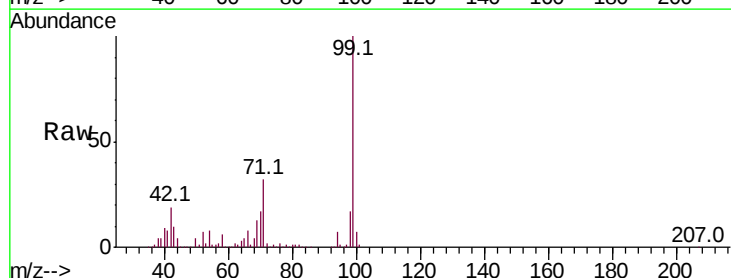
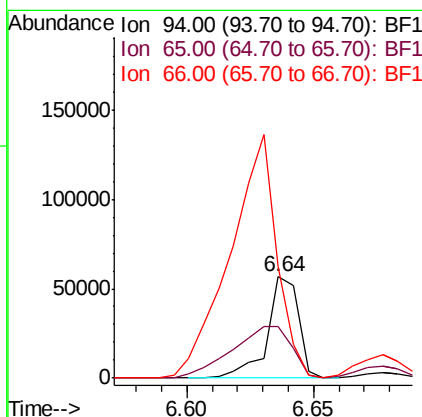
RT: 6.64 min Scan# 731

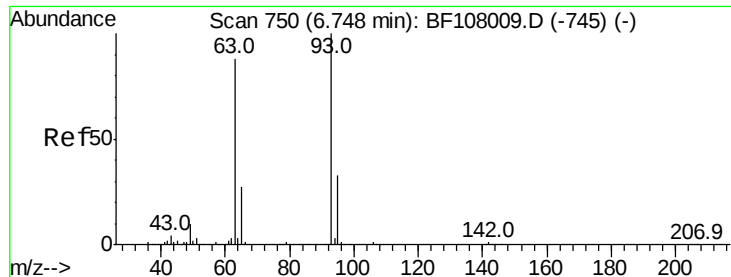
Delta R.T. -0.01 min

Lab File: BF108036.D

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Tgt Ion	Ratio	Lower	Upper
94	100		
65	51.2	7.9	47.9#
66	110.1	16.2	56.2#





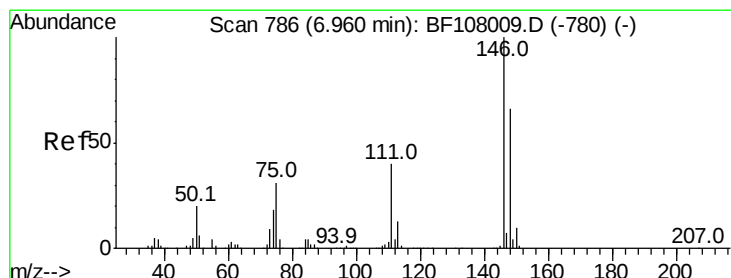
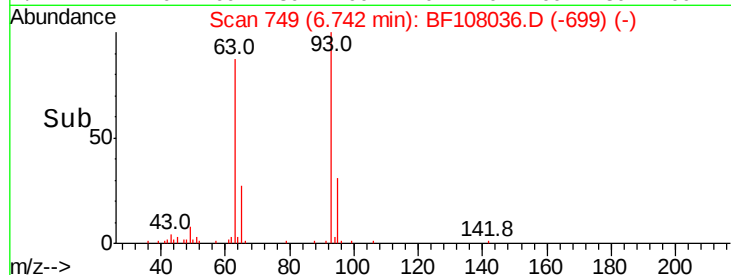
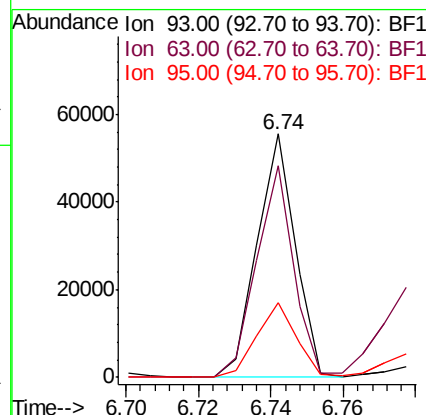
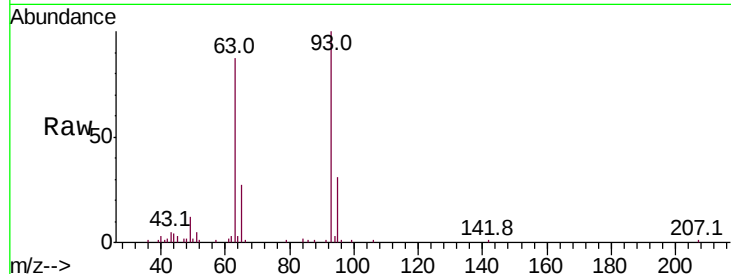
#11
bis(2-Chloroethyl)ether
Concen: 2.287 ng
RT: 6.74 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	93	Resp	40377
Ion	Ratio	Lower	Upper
93	100		
63	86.7	58.6	98.6
95	30.8	11.8	51.8

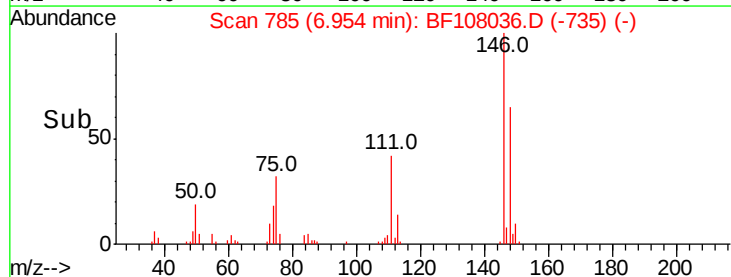
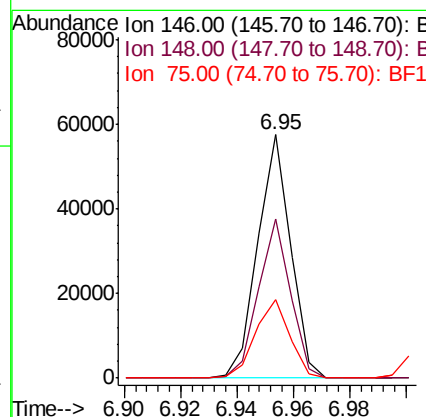
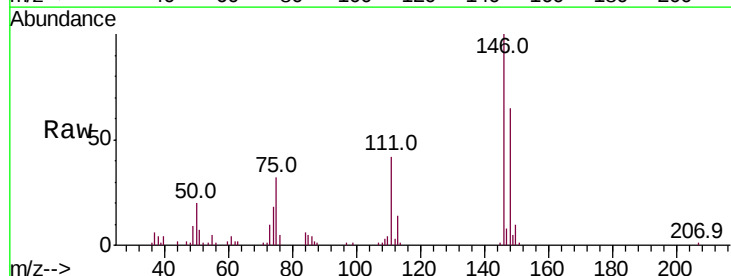
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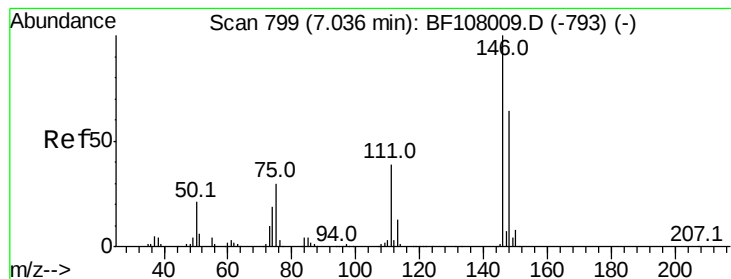
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#12
1,3-Dichlorobenzene
Concen: 2.250 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	146	Resp	46557
Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.8
75	32.1	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 2.309 ng

RT: 7.03 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

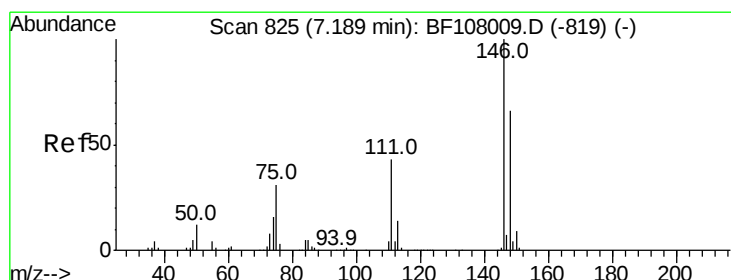
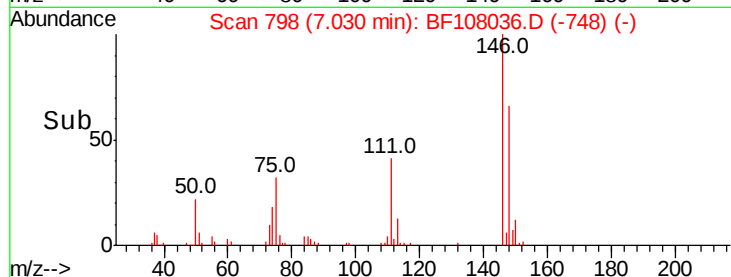
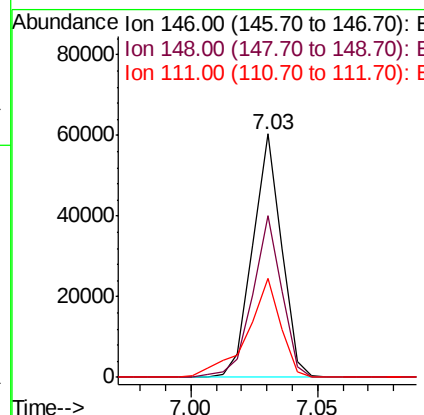
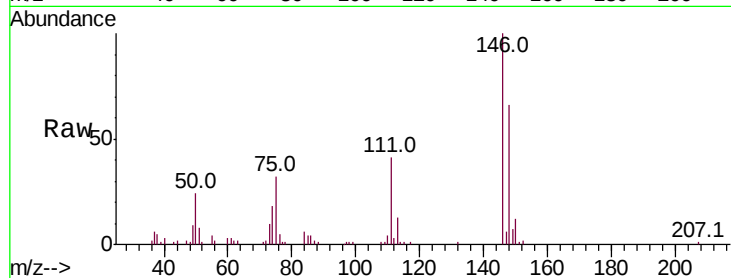
ClientSampleId :

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Tot Ion:	146	Resp:	48002
Ion Ratio	Lower	Upper	
146	100		
148	66.5	50.8	76.2
111	40.6	34.2	51.2

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#14

1,2-Dichlorobenzene

Concen: 2.208 ng

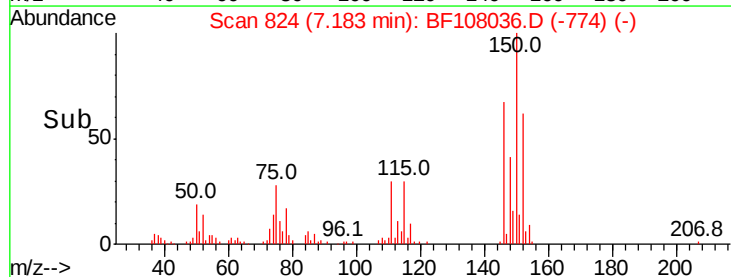
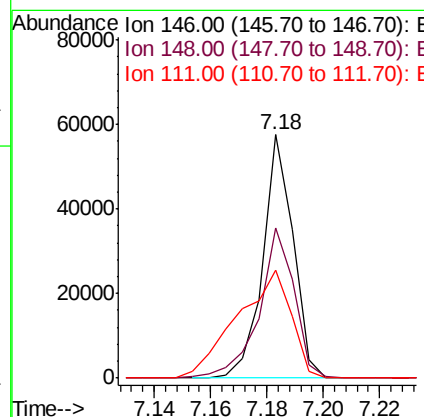
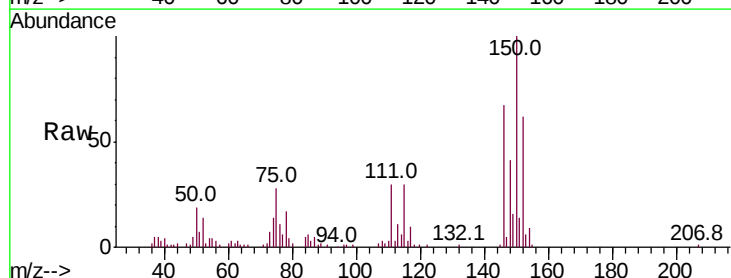
RT: 7.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion:	146	Resp:	42697
Ion Ratio	Lower	Upper	
146	100		
148	61.8	50.6	75.8
111	44.4	36.0	54.0





#15

Benzyl Alcohol

Concen: 1.327 ng

RT: 7.14 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

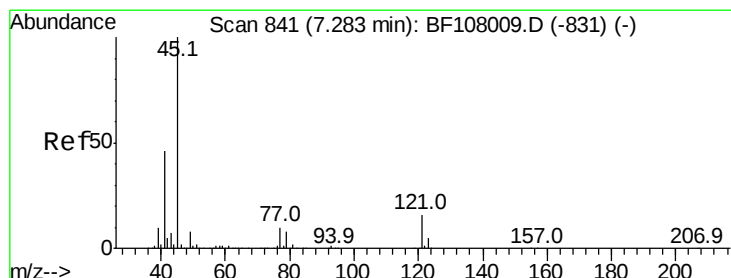
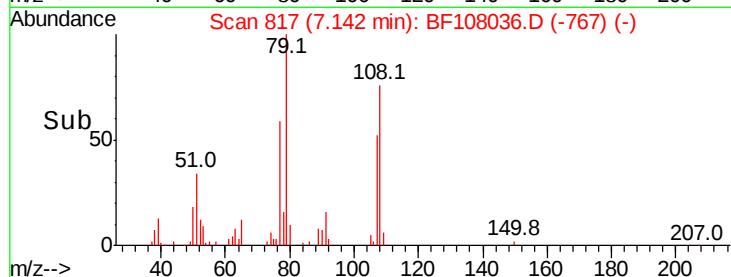
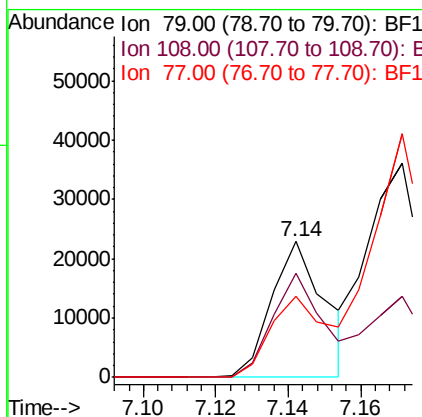
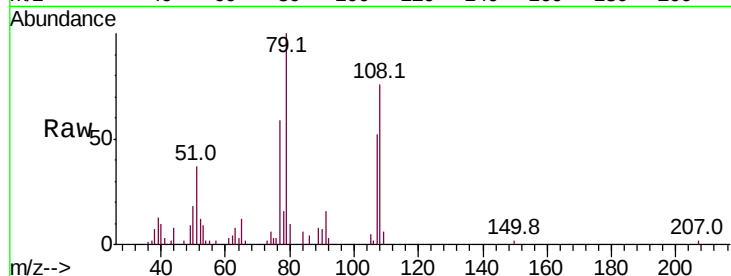
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	79	Resp:	23587
Ion Ratio	Lower	Upper	
79	100		
108	76.2	65.1	97.7
77	59.3	50.6	75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 2.265 ng

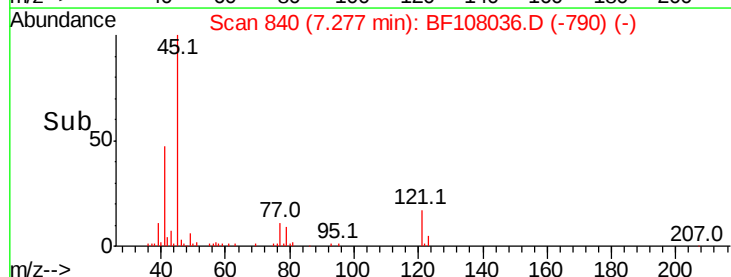
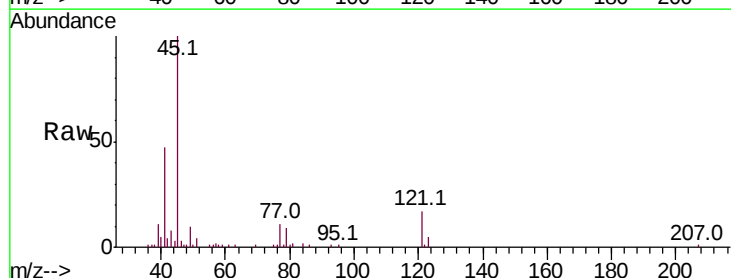
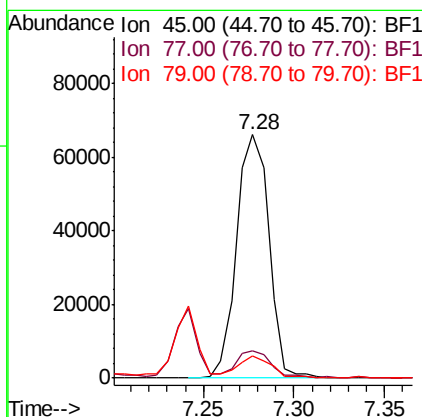
RT: 7.28 min Scan# 840

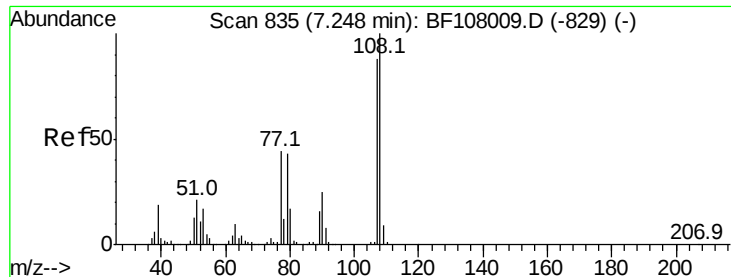
Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion:	45	Resp:	82379
Ion Ratio	Lower	Upper	
45	100		
77	11.2	0.0	32.9
79	8.9	0.0	29.6





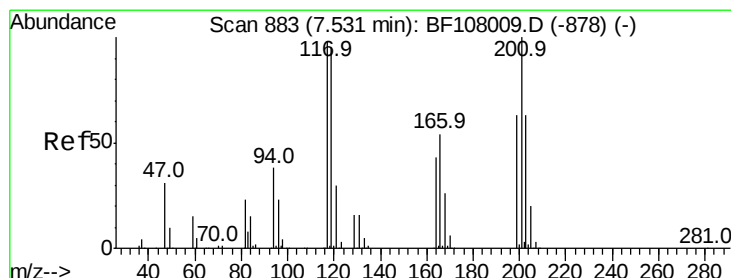
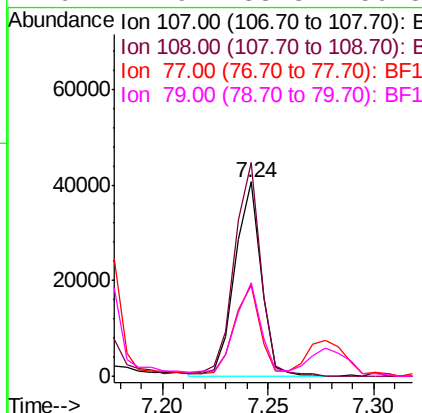
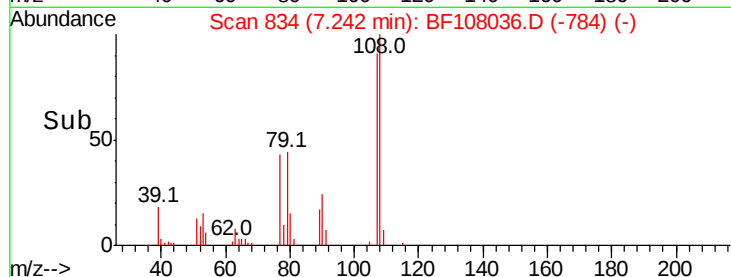
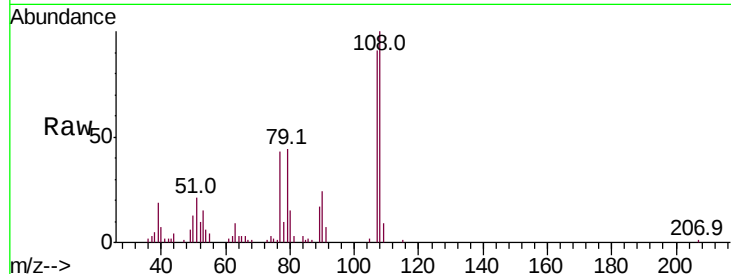
#17
2-Methylphenol
Concen: 2.284 ng
RT: 7.24 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion:	107	Resp:	35056
Ion Ratio	Lower	Upper	
107	100		
108	109.8	91.7	137.5
77	46.7	33.8	50.8
79	47.9	33.8	50.8

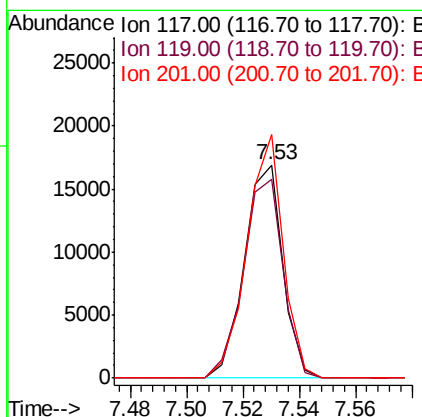
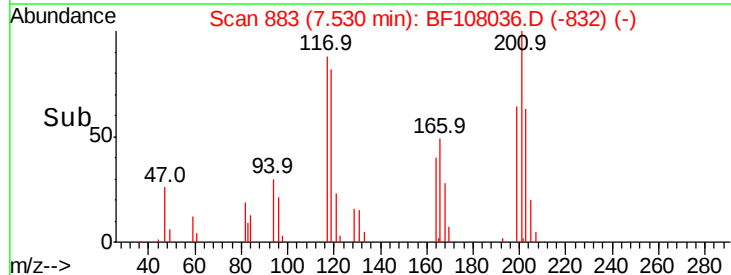
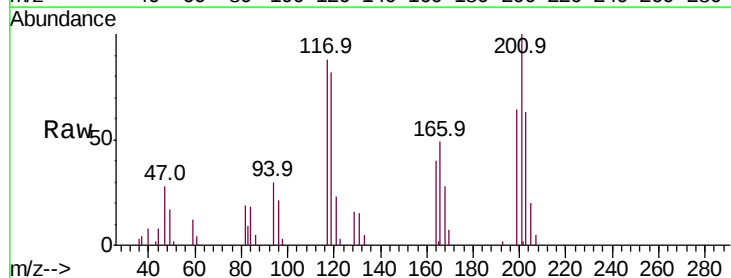
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#18
Hexachloroethane
Concen: 2.145 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion:	117	Resp:	15877
Ion Ratio	Lower	Upper	
117	100		
119	93.0	75.8	113.8
201	114.0	75.7	113.5#





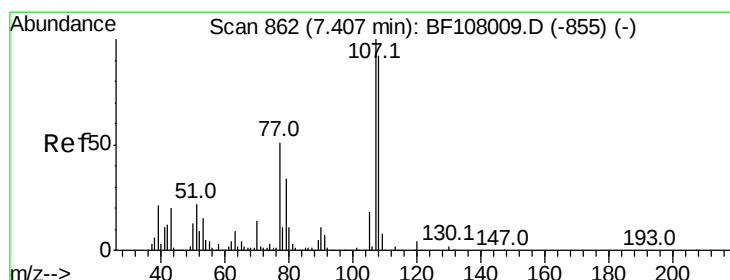
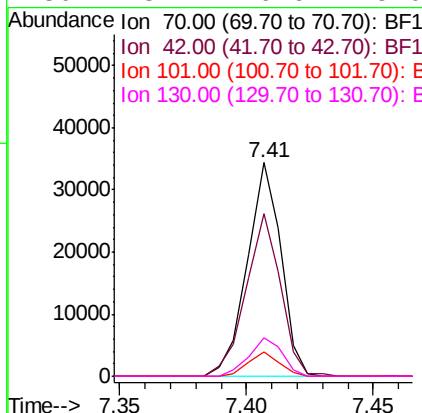
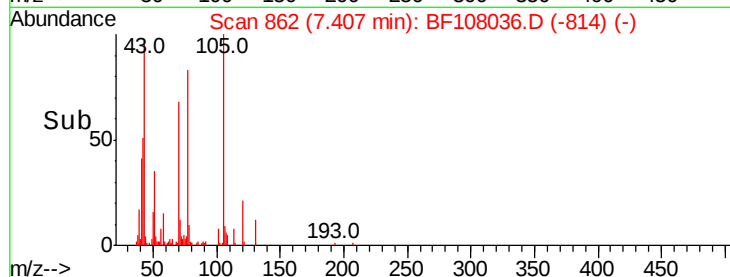
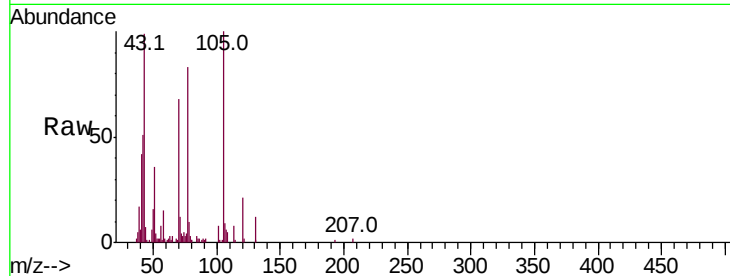
#19
n-Nitroso-di-n-propylamine
Concen: 2.232 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	76.1	47.5	71.3#
101	11.2	7.4	11.2#
130	18.1	16.6	25.0

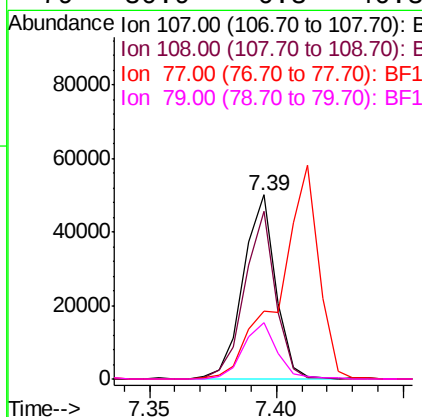
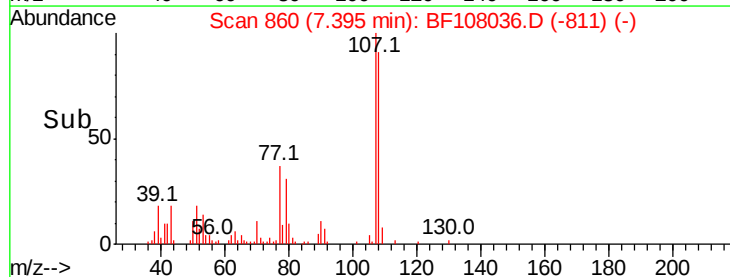
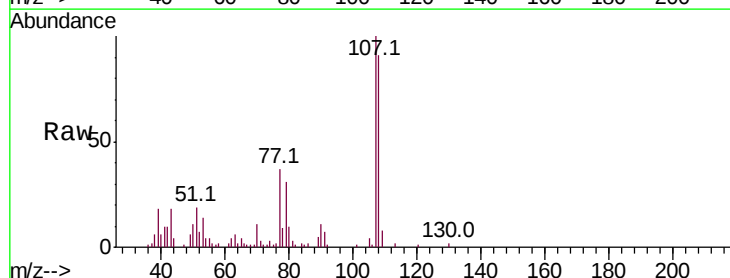
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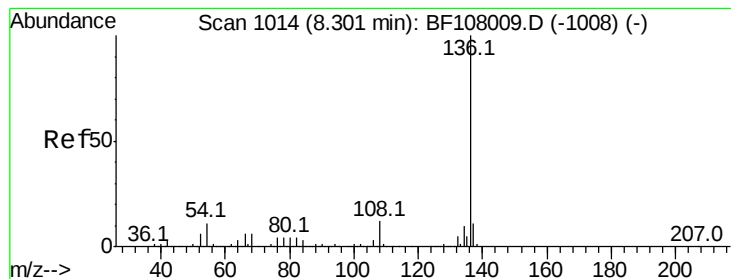
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#20
3+4-Methylphenols
Concen: 2.275 ng
RT: 7.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.5	68.2	108.2
77	37.1	26.7	66.7
79	30.9	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

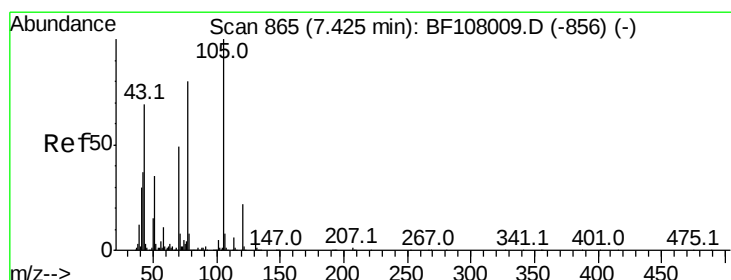
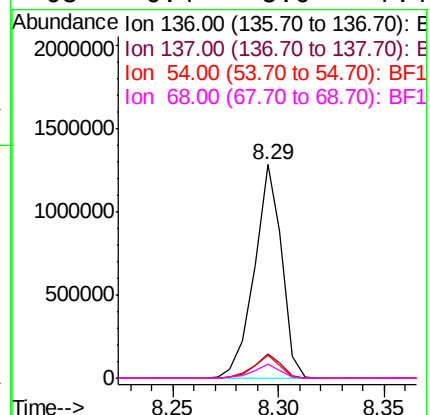
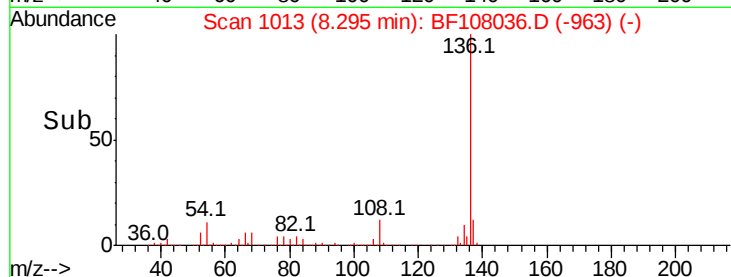
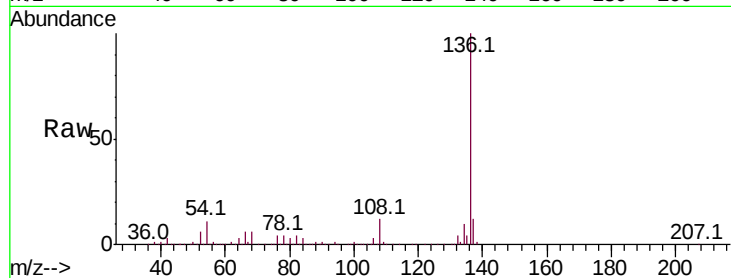
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.6	8.9	13.3	
54	11.0	6.6	9.8	
68	6.4	5.0	7.4	

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#22

Acetophenone

Concen: 2.318 ng

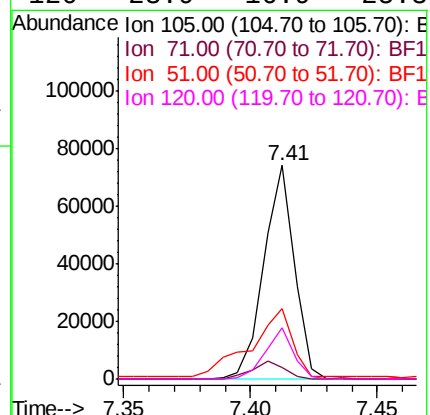
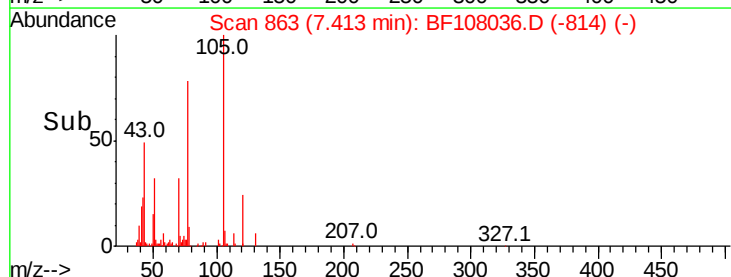
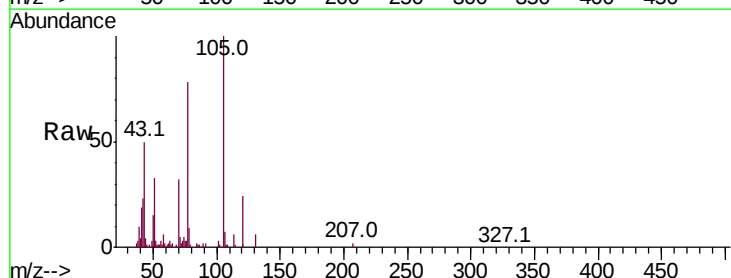
RT: 7.41 min Scan# 863

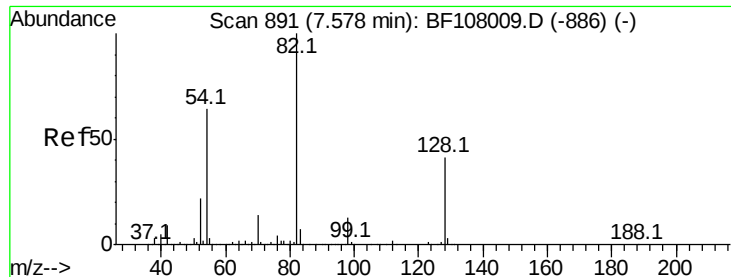
Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.2	4.4	6.6	
51	32.8	22.3	33.5	
120	23.9	16.9	25.3	





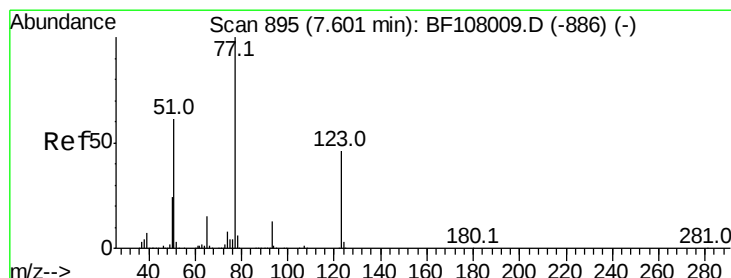
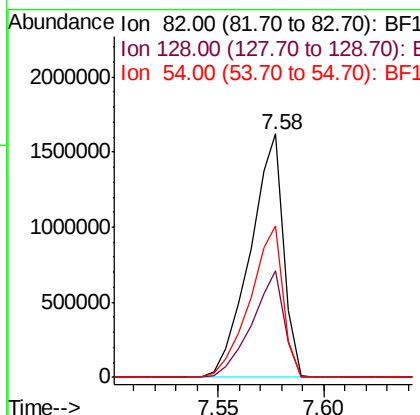
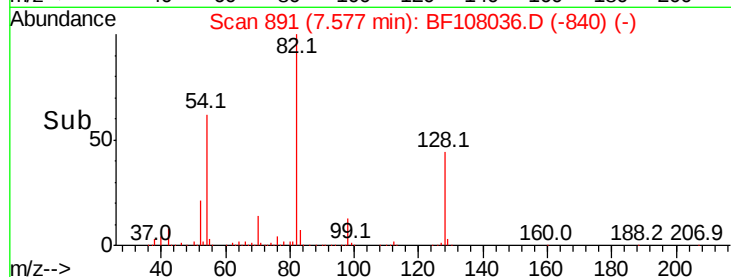
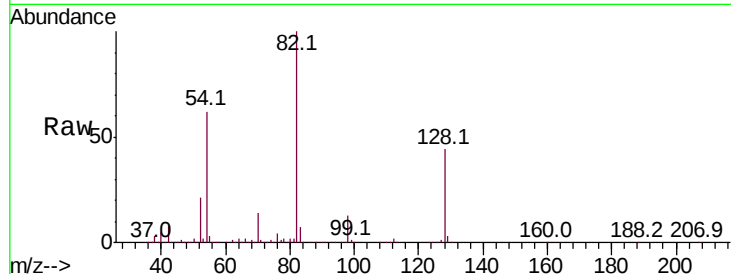
#23
 Nitrobenzene-d5
 Concen: 85.526 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion: 82 Resp: 1770855
 Ion Ratio Lower Upper
 82 100
 128 43.7 36.1 54.1
 54 62.3 41.4 62.2#

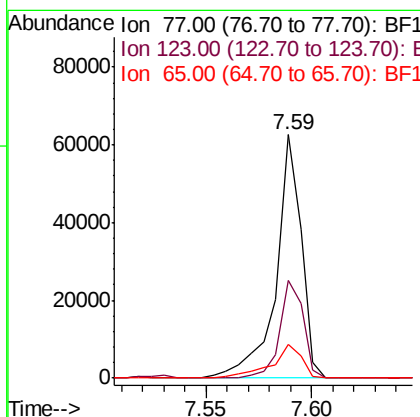
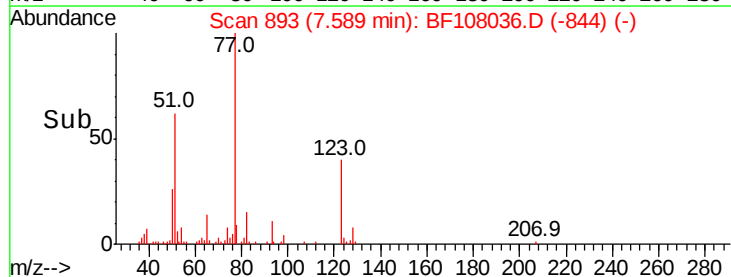
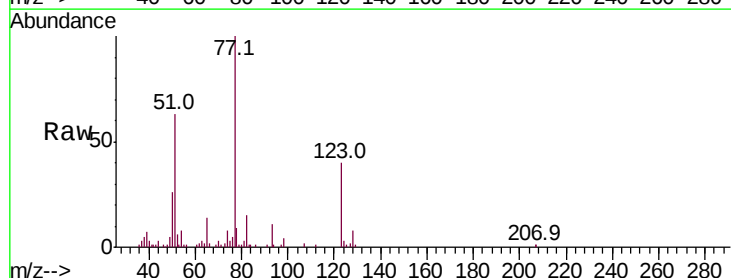
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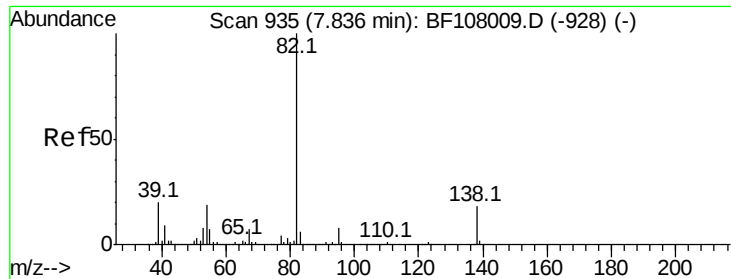
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#24
 Nitrobenzene
 Concen: 2.465 ng
 RT: 7.59 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion: 77 Resp: 51601
 Ion Ratio Lower Upper
 77 100
 123 39.9 37.9 56.9
 65 13.9 11.0 16.4





#25

Isophorone

Concen: 2.153 ng

RT: 7.82 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

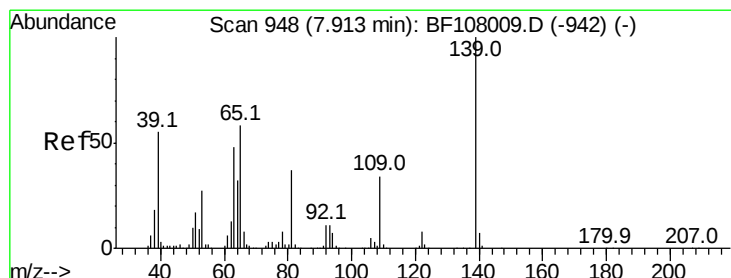
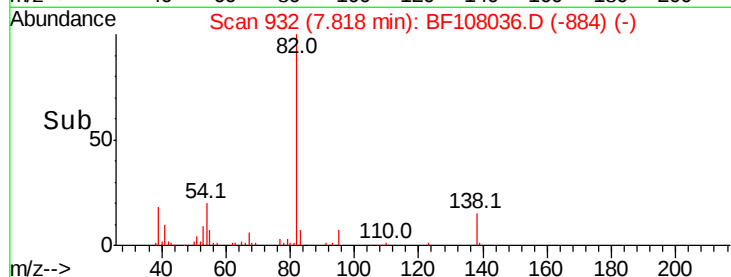
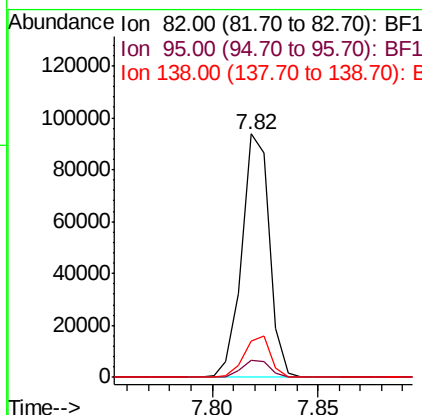
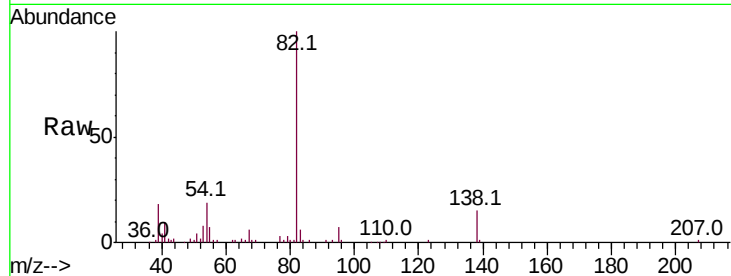
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.2	7.8
138	14.7	14.9	22.3

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#26

2-Nitrophenol

Concen: 1.592 ng

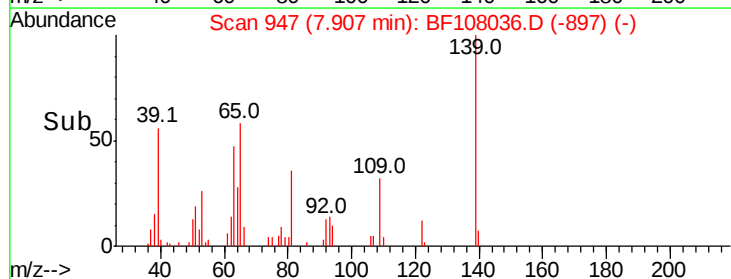
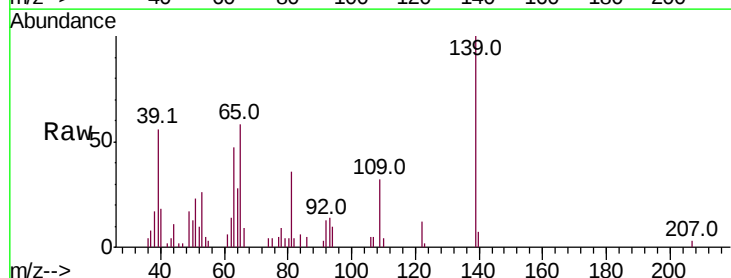
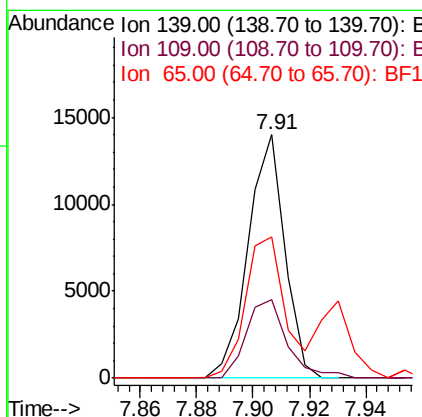
RT: 7.91 min Scan# 947

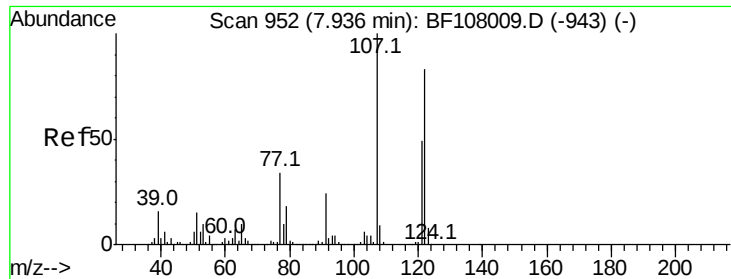
Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	32.1	22.7	34.1
65	58.0	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 2.160 ng

RT: 7.93 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

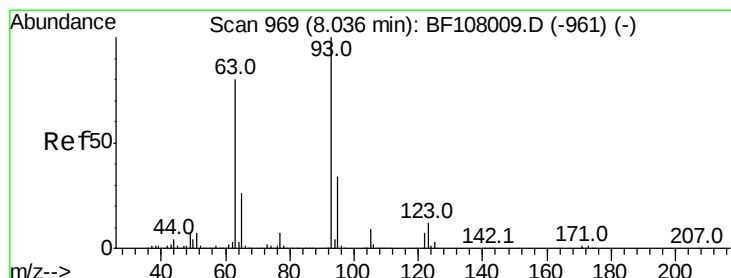
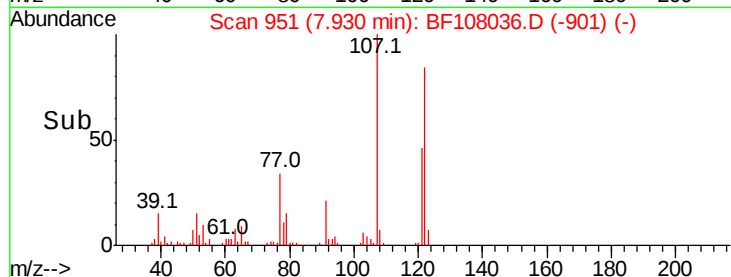
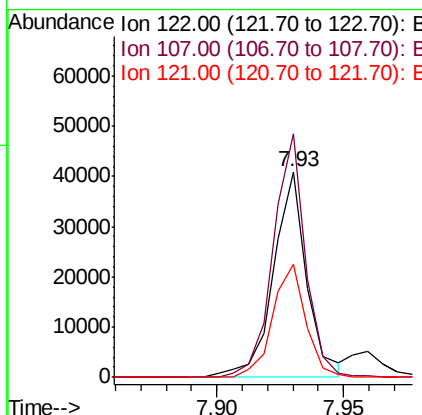
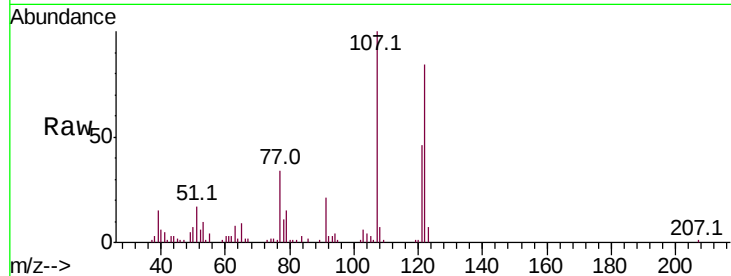
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	122	Resp:	37841
Ion	Ratio	Lower	Upper
122	100		
107	118.5	91.2	136.8
121	55.0	47.2	70.8

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#28

bis(2-Chloroethoxy)methane

Concen: 2.245 ng

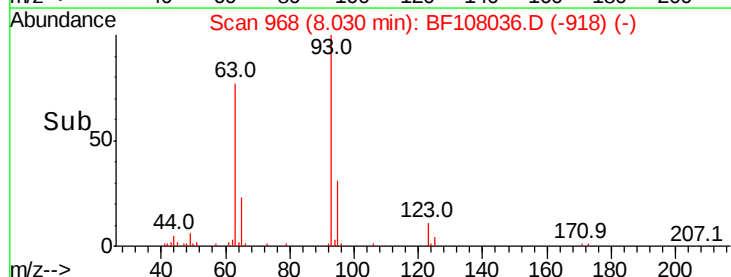
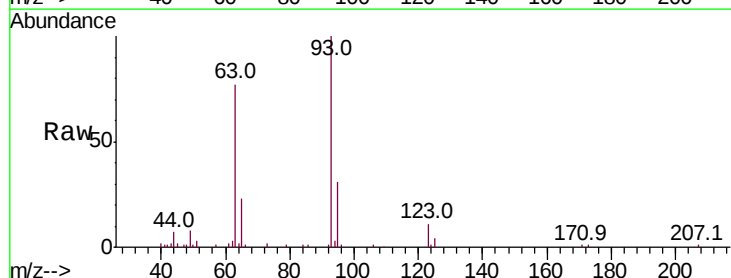
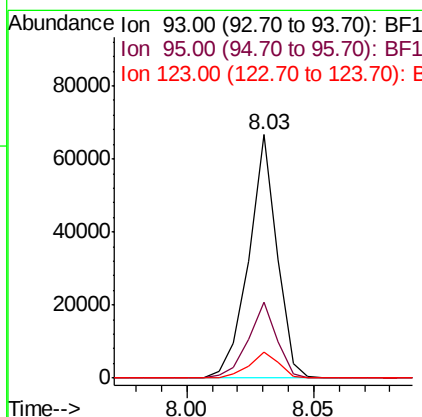
RT: 8.03 min Scan# 968

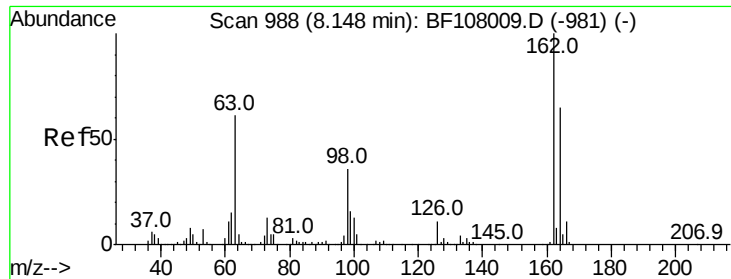
Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion:	93	Resp:	51711
Ion	Ratio	Lower	Upper
93	100		
95	31.0	26.3	39.5
123	10.8	9.8	14.6





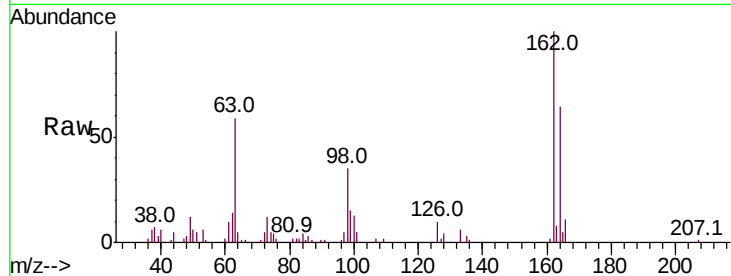
#29
2,4-Dichlorophenol
Concen: 1.882 ng
RT: 8.14 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp	Lower	Upper
162	100	30331		
164	64.0	42.7	82.7	
98	34.9	18.1	58.1	

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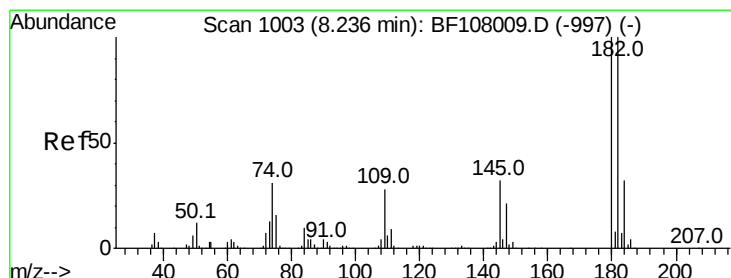
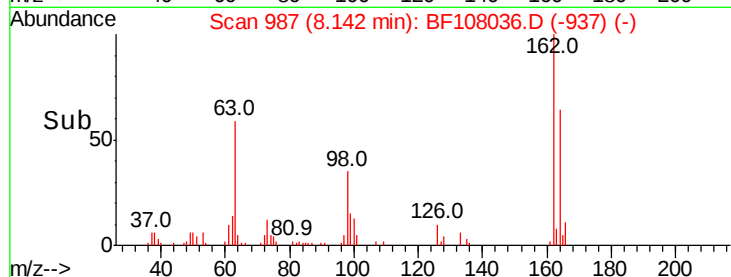
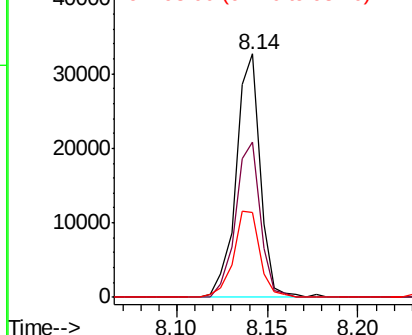


Abundance

Ion 162.00 (161.70 to 162.70): E

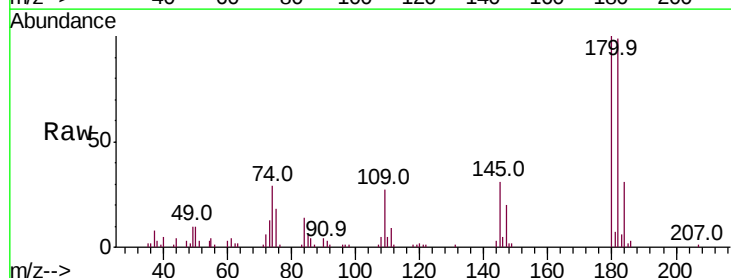
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 2.198 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	39070		
182	98.9	76.8	115.2	
145	31.4	26.5	39.7	

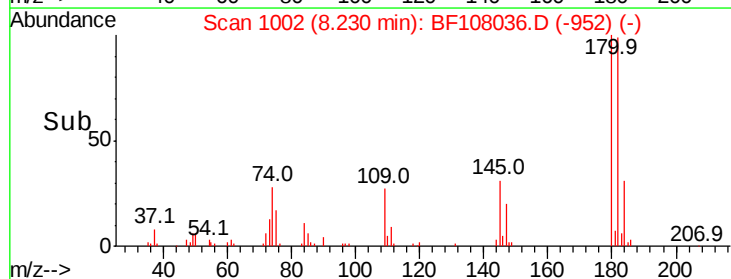
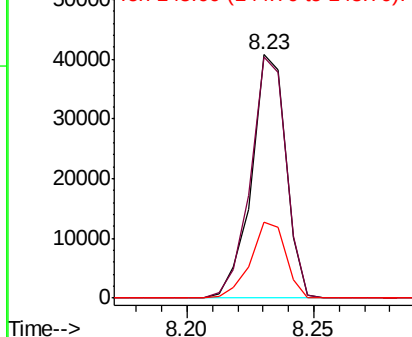


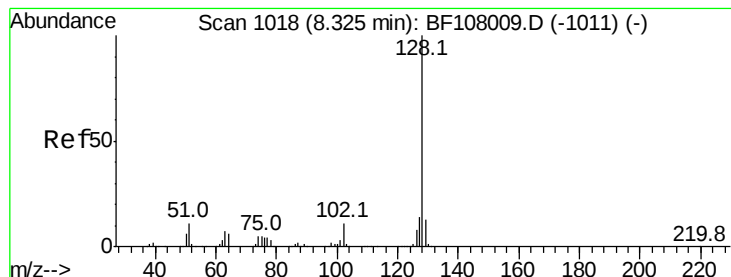
Abundance

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: 2.406 ng

RT: 8.32 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

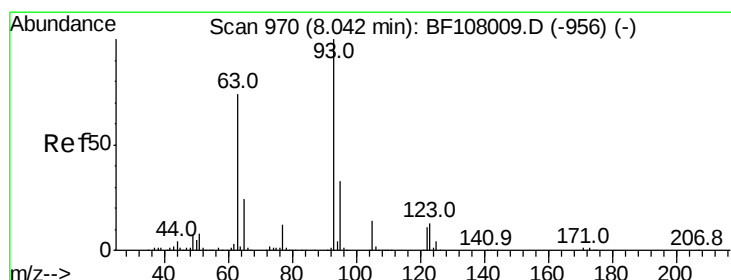
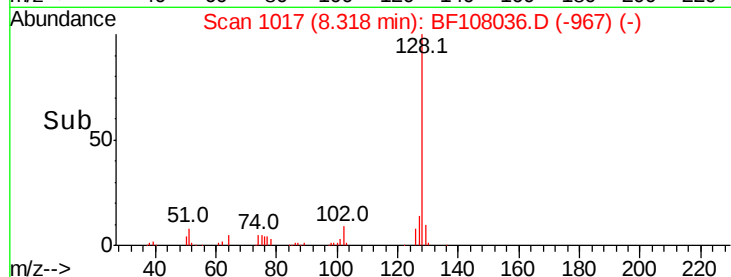
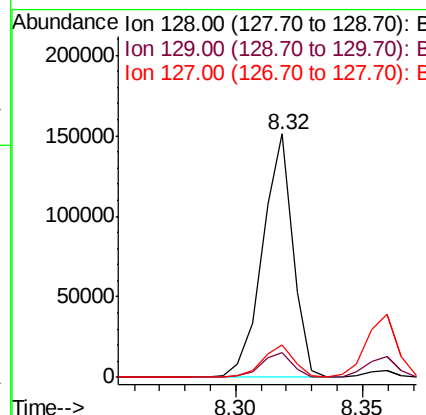
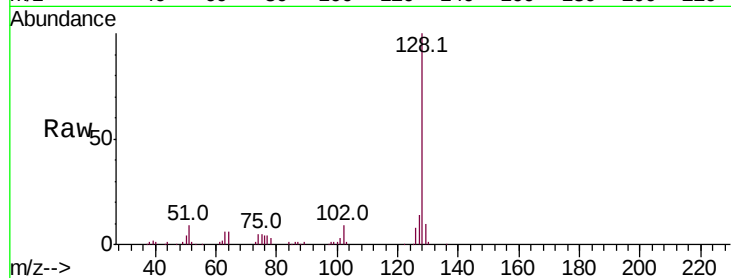
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	128	Resp:	126405
Ion Ratio	Lower	Upper	
128	100		
129	10.2	8.8	13.2
127	13.5	10.9	16.3

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#32

Benzoic acid

Concen: 6.461 ng

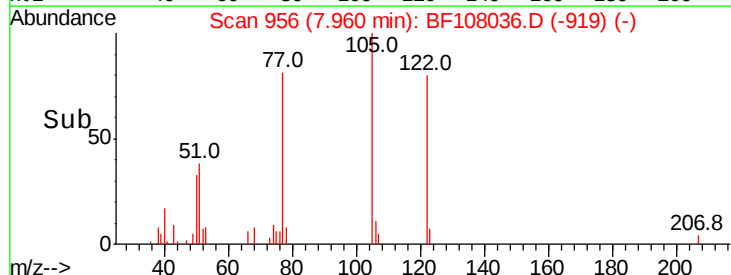
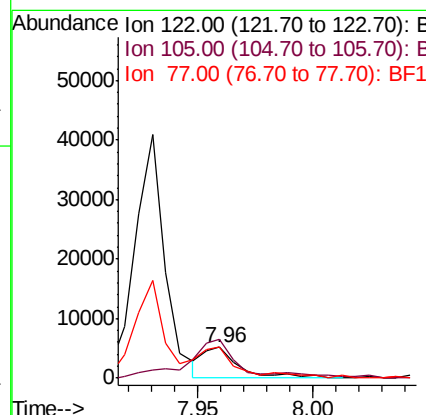
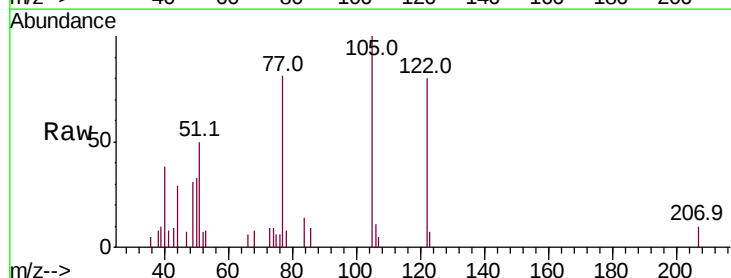
RT: 7.96 min Scan# 956

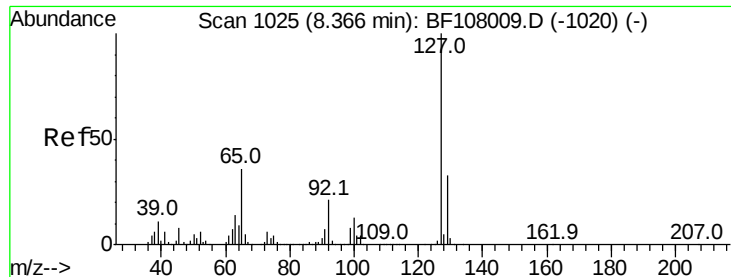
Delta R.T. -0.08 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion:	122	Resp:	5653
Ion Ratio	Lower	Upper	
122	100		
105	125.7	101.1	141.1
77	102.0	70.7	110.7





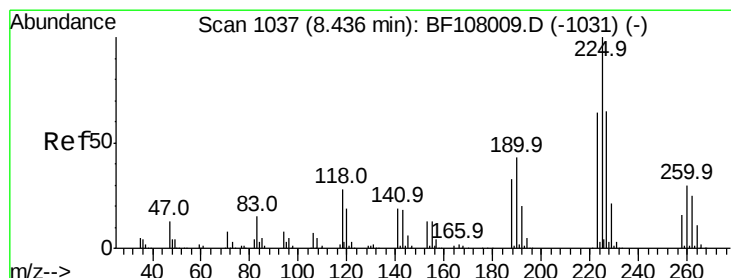
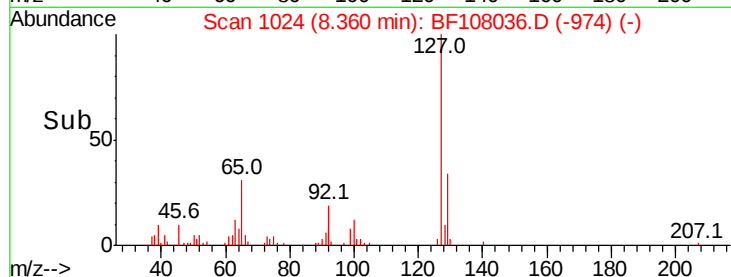
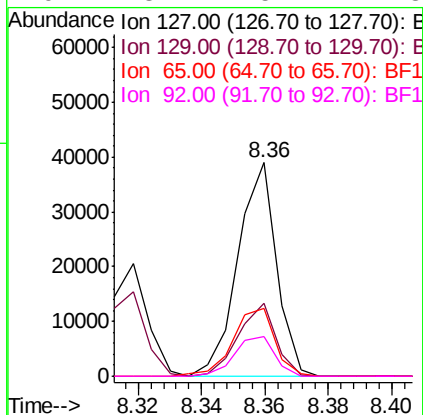
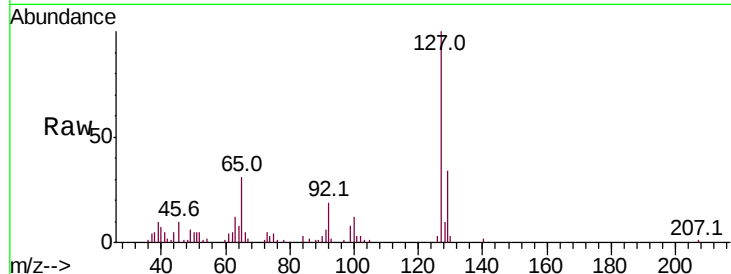
#33
4-Chloroaniline
Concen: 1.436 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	34.3	25.9	38.9	
65	31.5	25.0	37.4	
92	18.7	15.2	22.8	

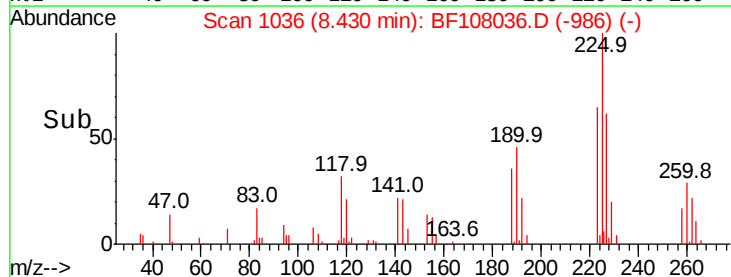
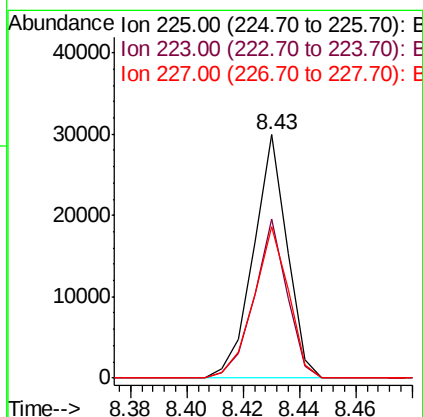
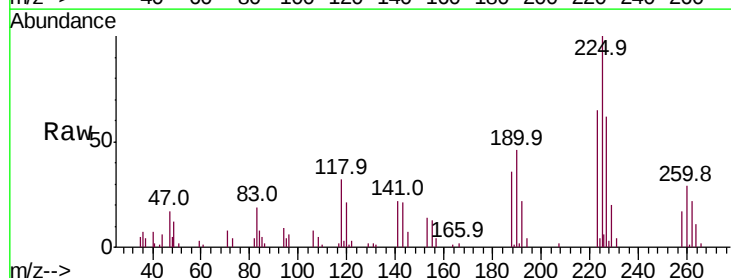
Manual Integrations
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#34
Hexachlorobutadiene
Concen: 2.201 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.3	50.6	76.0	
227	62.3	51.9	77.9	





#35

Caprolactam

Concen: 1.987 ng

RT: 8.68 min Scan# 1078

Delta R.T. -0.07 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

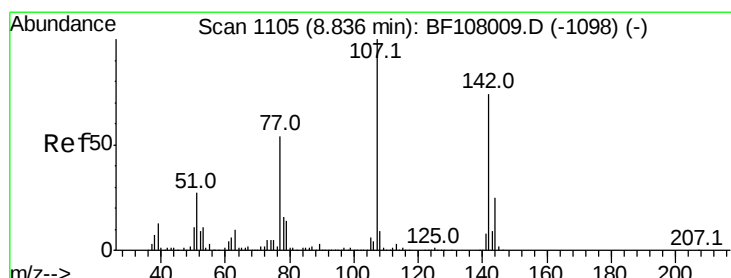
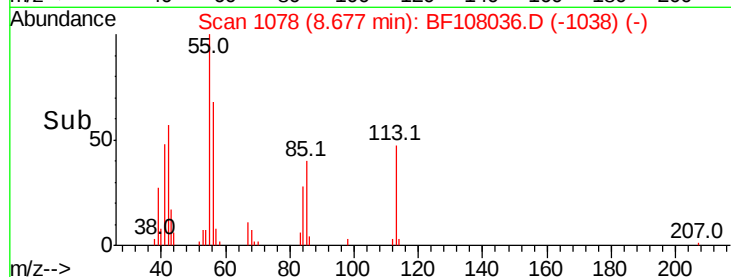
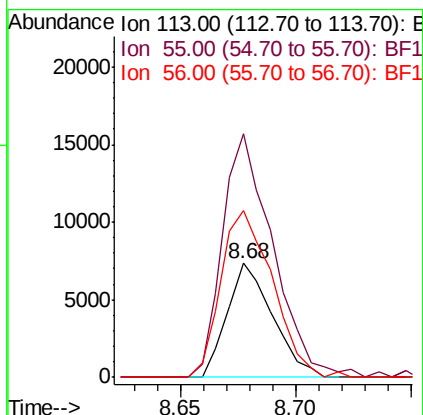
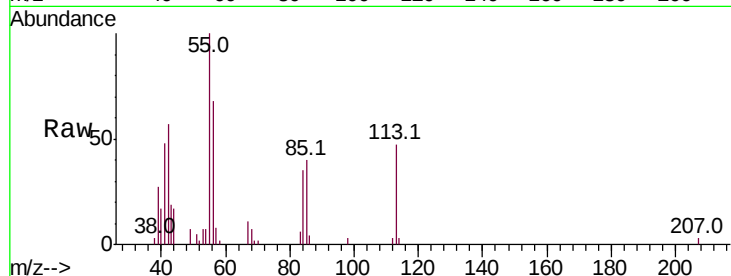
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
113	100		
55	214.0	163.3	203.3#
56	146.2	115.7	155.7

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 2.034 ng

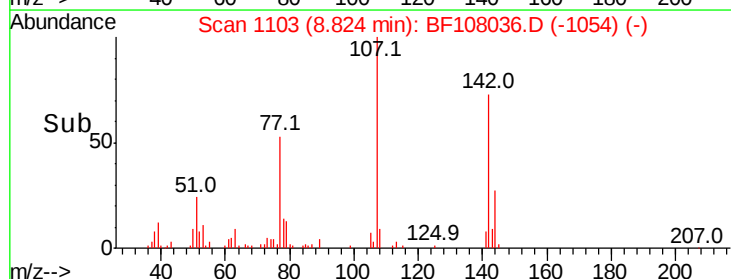
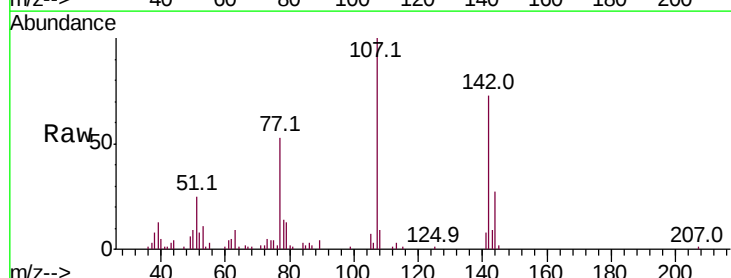
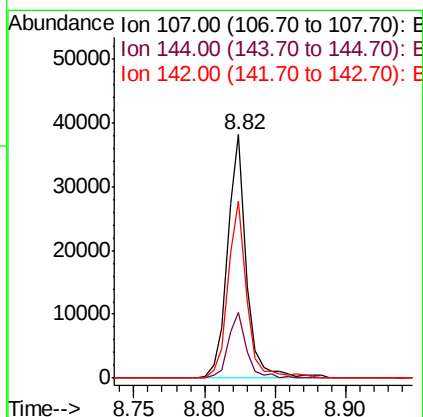
RT: 8.82 min Scan# 1103

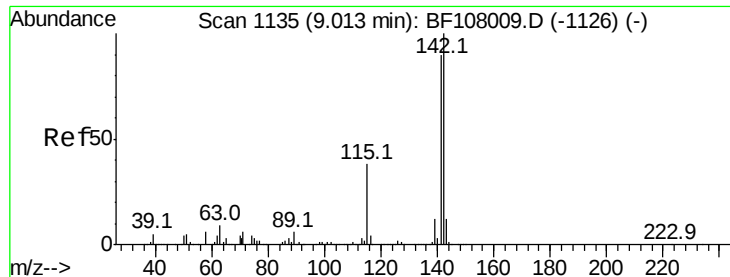
Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.1	20.5	30.7
142	72.6	62.0	93.0





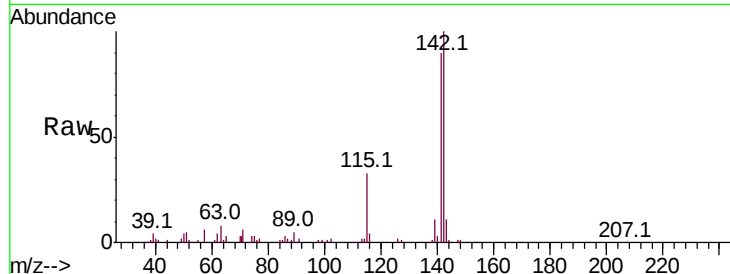
#37
2-Methylnaphthalene
Concen: 2.366 ng
RT: 9.01 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	33.3	26.1	39.1

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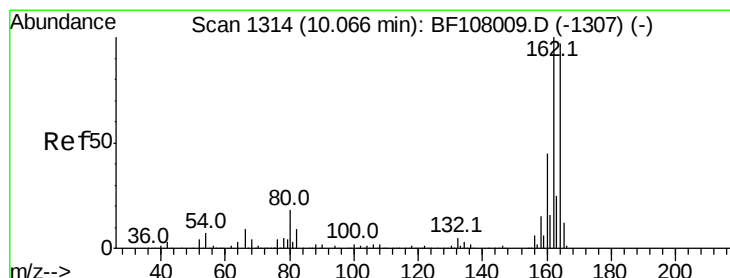
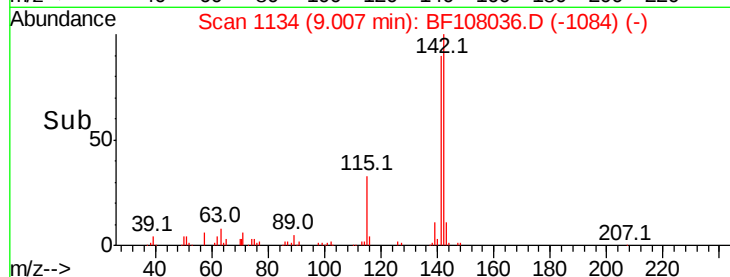
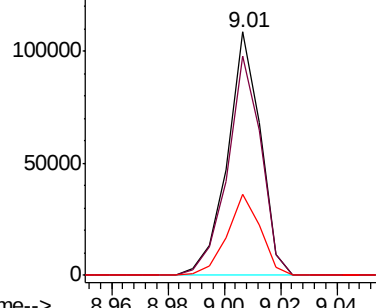


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

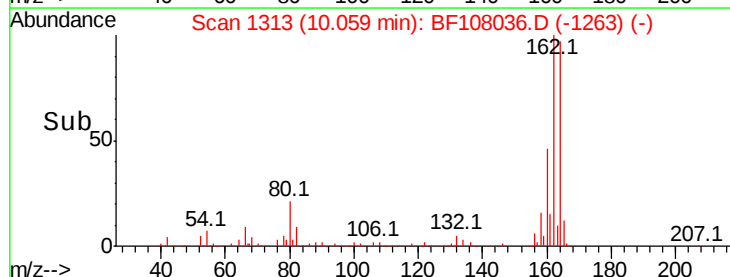
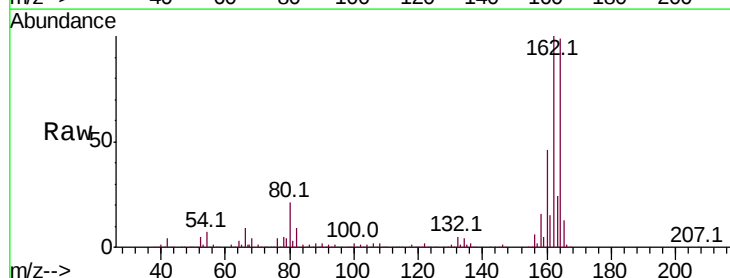
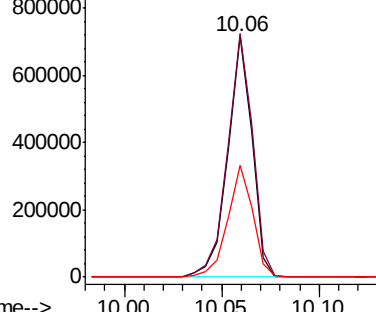
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	86.1	129.1
160	46.6	38.3	57.5

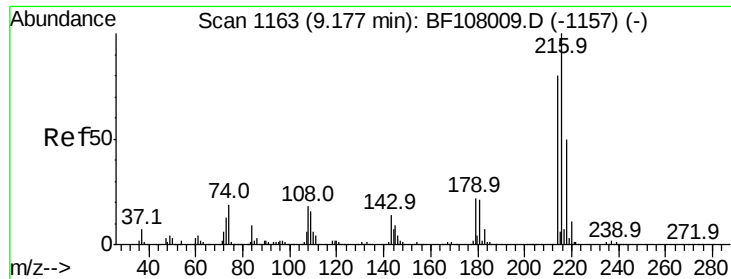
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





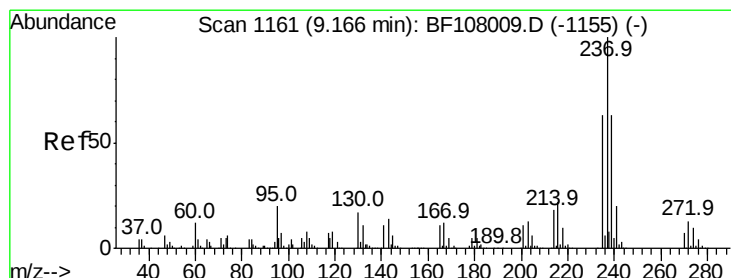
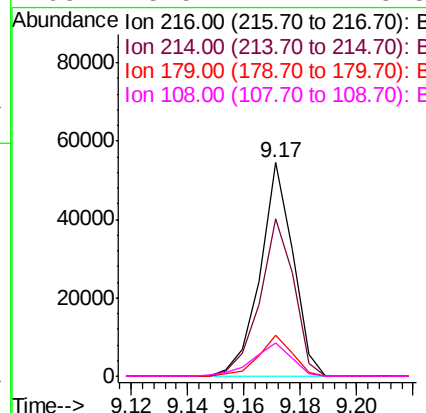
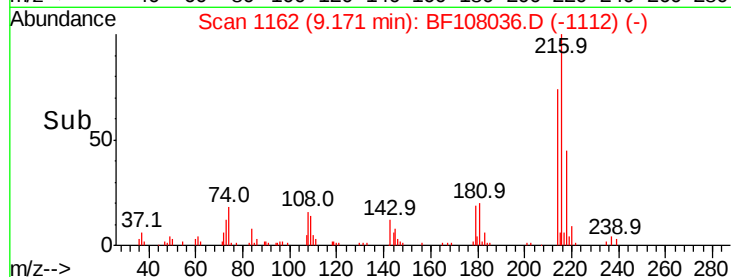
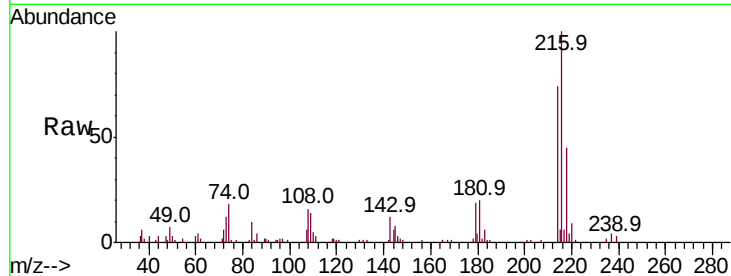
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.319 ng
 RT: 9.17 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp	Lower	Upper
216	100	44079		
214	76.9	63.0	94.4	
179	19.8	18.1	27.1	
108	18.5	17.2	25.8	

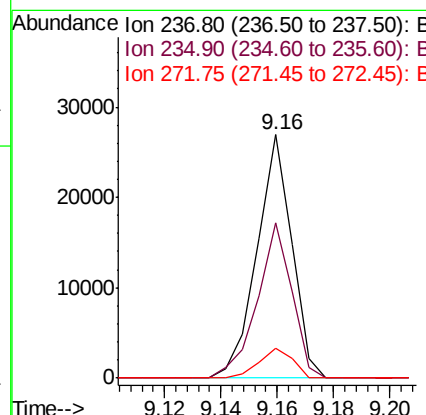
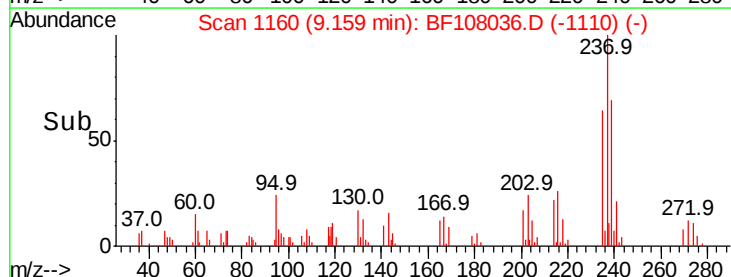
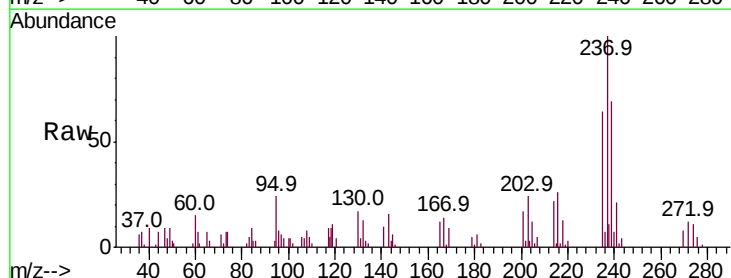
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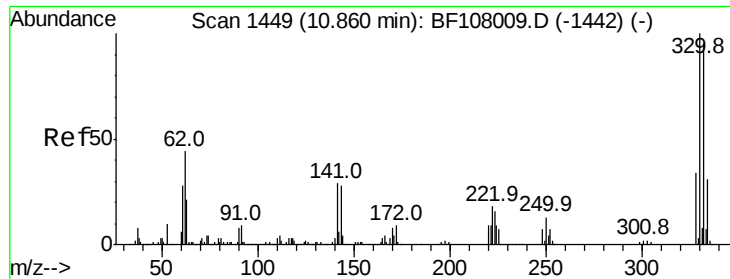
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#40
 Hexachlorocyclopentadiene
 Concen: 1.872 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	22991		
235	63.9	44.8	84.8	
272	12.5	0.0	33.3	





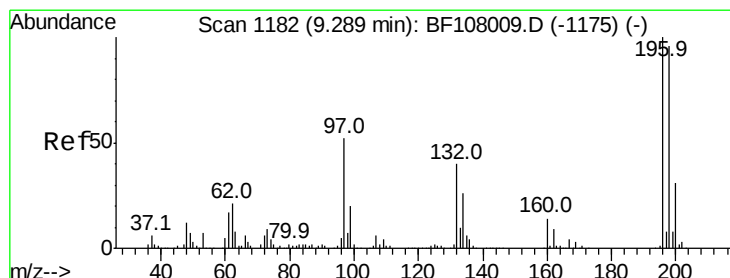
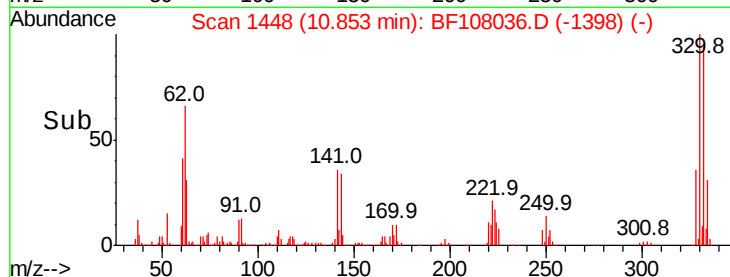
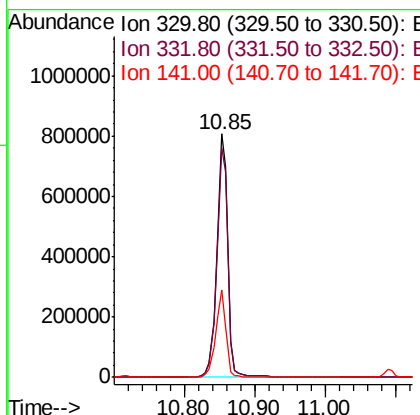
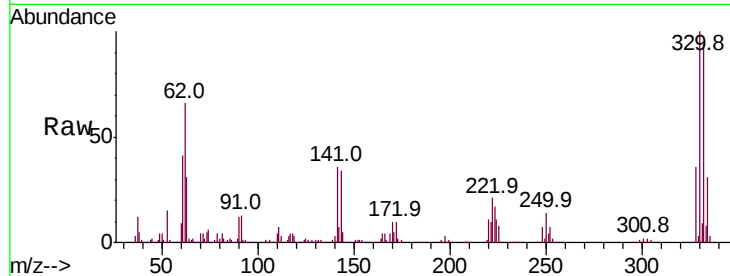
#41
 2,4,6-Tribromophenol
 Concen: 141.948 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	77.0	115.6	
141	34.1	29.9	44.9	

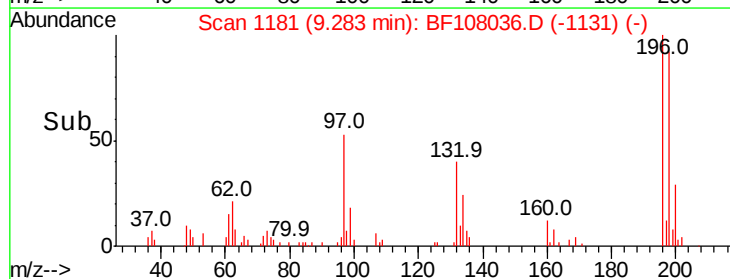
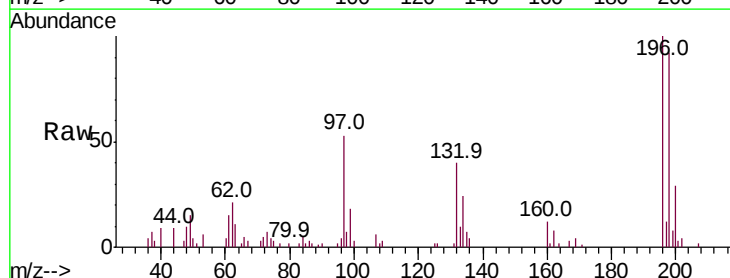
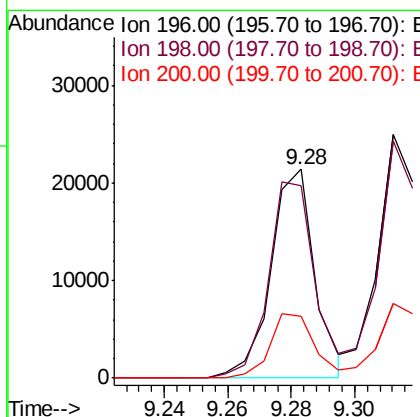
Manual Integrations
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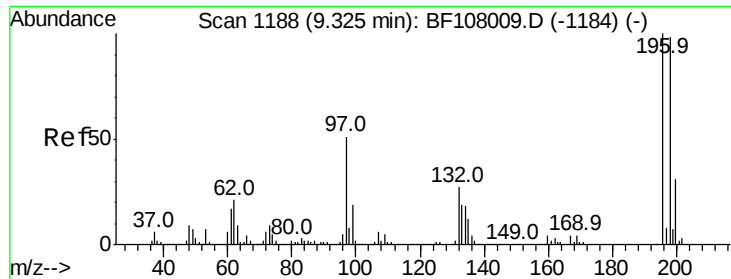
Sohil
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#42
 2,4,6-Trichlorophenol
 Concen: 1.751 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	92.0	75.7	113.5	
200	29.4	24.5	36.7	





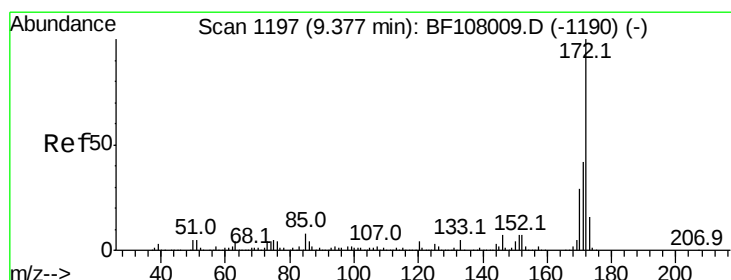
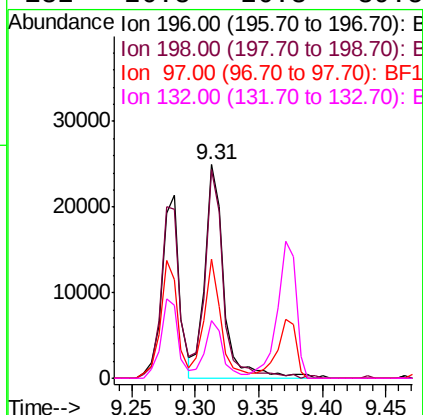
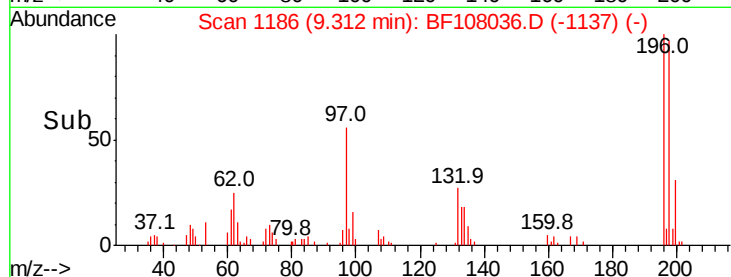
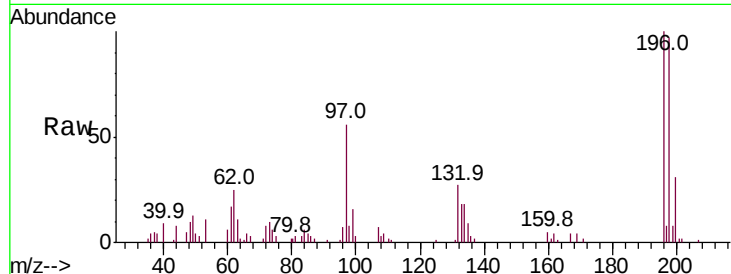
#43
 2,4,5-Trichlorophenol
 Concen: 2.047 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion	196	Resp	26589
Ion Ratio	Lower	Upper	
196	100		
198	97.4	74.6	112.0
97	55.7	42.9	64.3
132	26.8	26.3	39.5

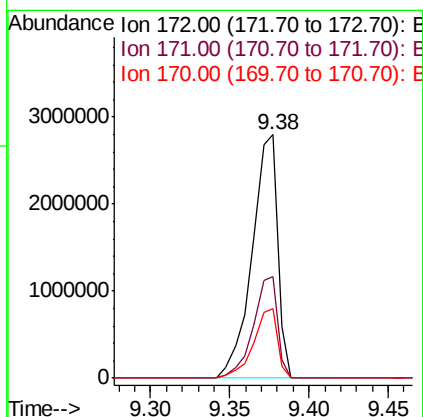
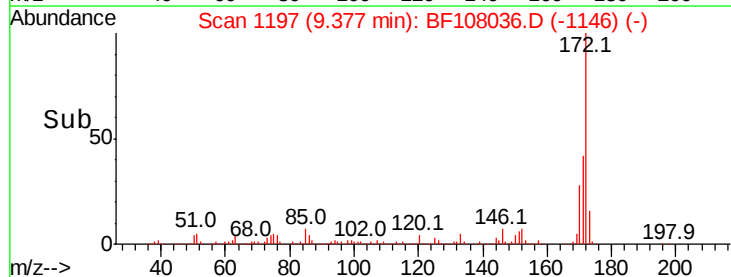
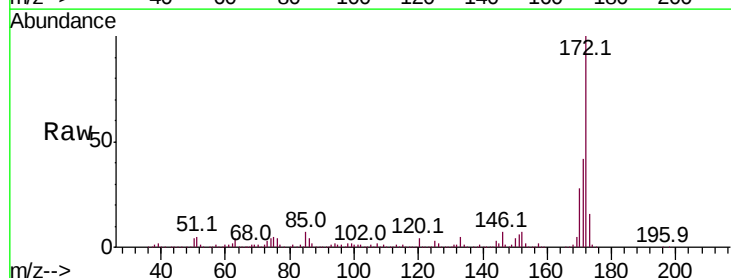
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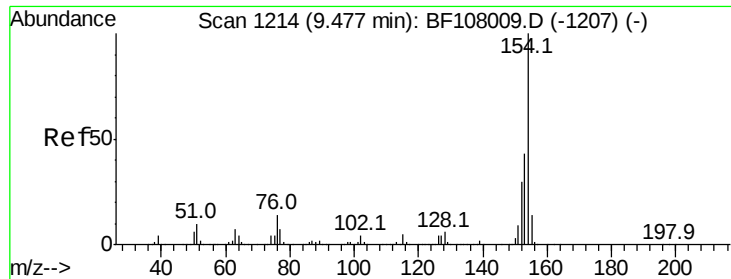
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 81.719 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion	172	Resp	3151084
Ion Ratio	Lower	Upper	
172	100		
171	41.8	29.7	44.5
170	28.5	19.6	29.4





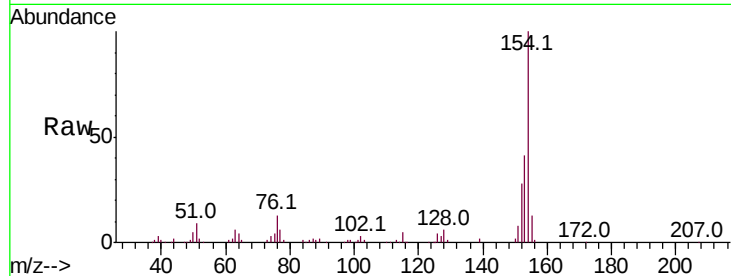
#45
 1,1'-Biphenyl
 Concen: 2.533 ng
 RT: 9.47 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

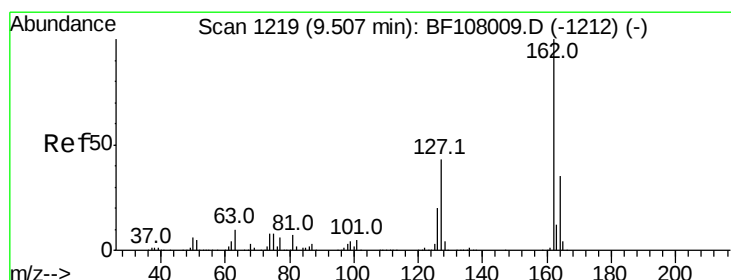
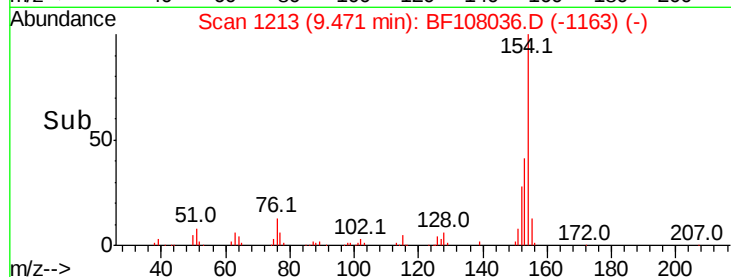
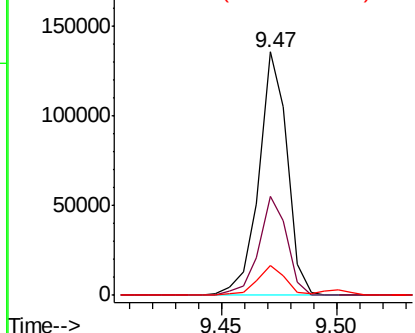
Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.8	21.3	61.3	
76	12.5	0.0	34.0	

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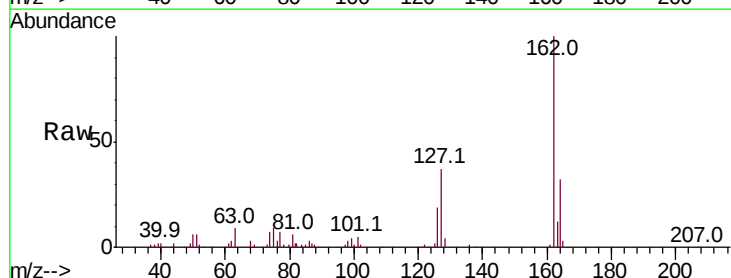


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

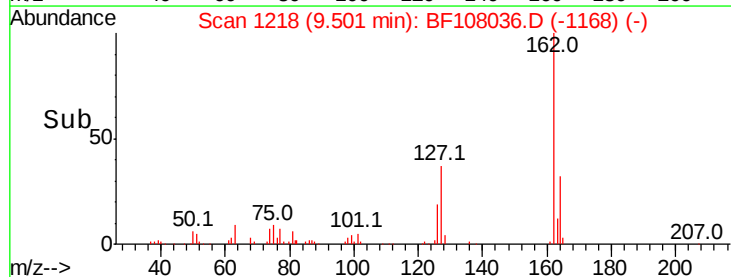
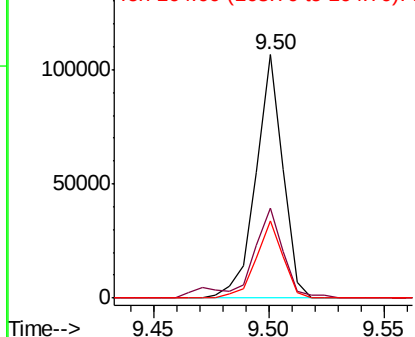


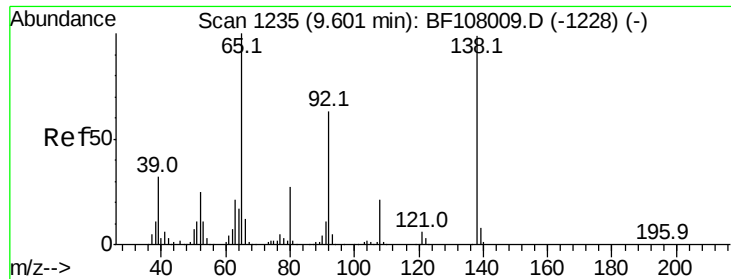
#46
 2-Chloronaphthalene
 Concen: 2.406 ng
 RT: 9.50 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	36.9	33.9	50.9	
164	31.6	26.5	39.7	



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





#47

2-Nitroaniline

Concen: 1.907 ng

RT: 9.59 min Scan# 1233

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

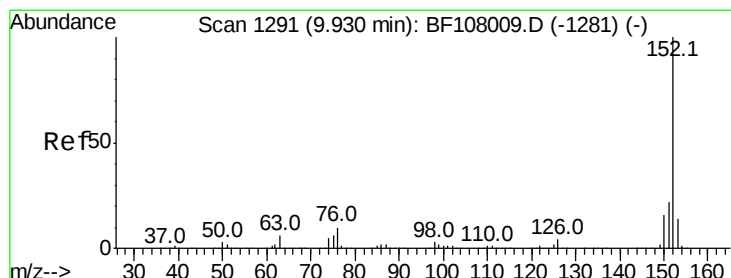
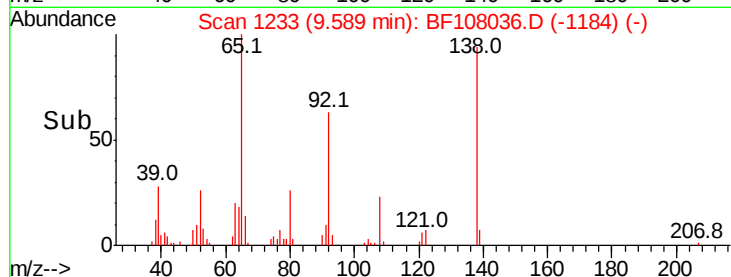
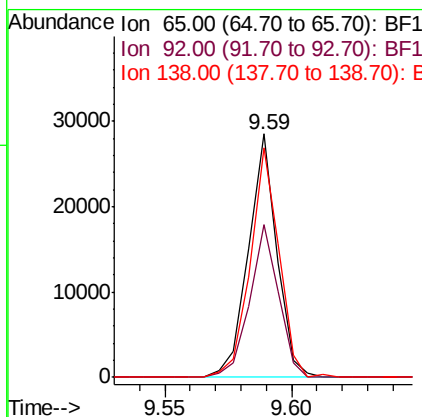
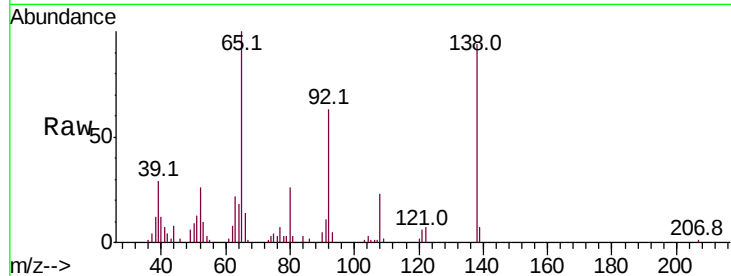
ClientSampleId :

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Tot Ion:	65	Resp:	22258
Ion Ratio	Lower	Upper	
65	100		
92	62.6	55.8	83.6
138	94.3	91.2	136.8

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#48

Acenaphthylene

Concen: 2.433 ng

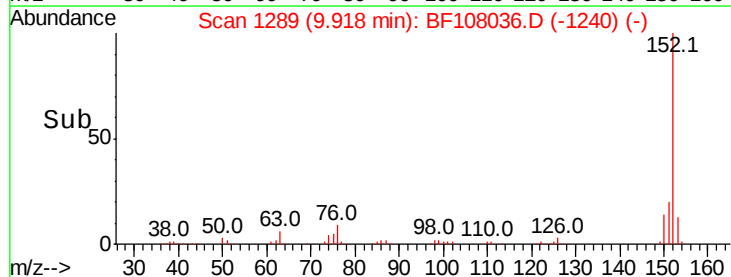
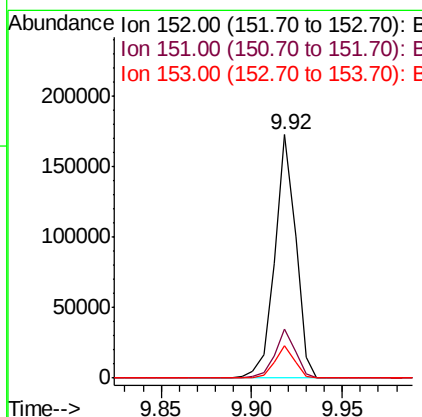
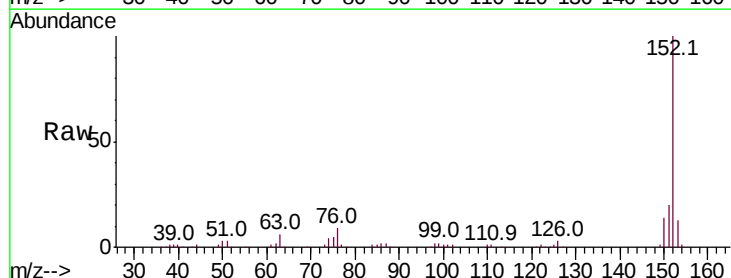
RT: 9.92 min Scan# 1289

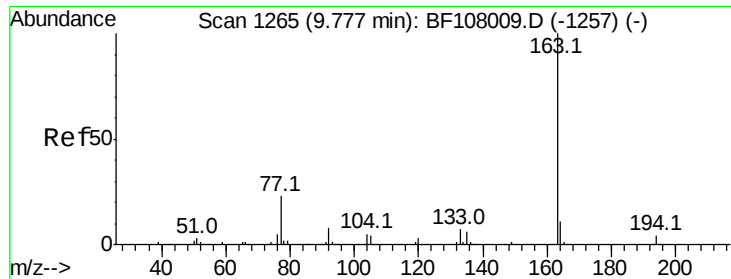
Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion:	152	Resp:	138743
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.3	24.5
153	13.3	10.7	16.1





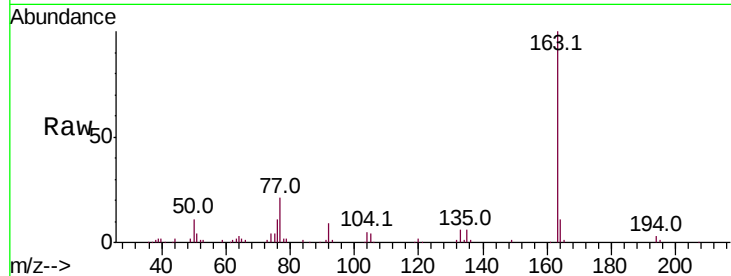
#49
Dimethylphthalate
Concen: 2.375 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	11.2	8.2	12.2	

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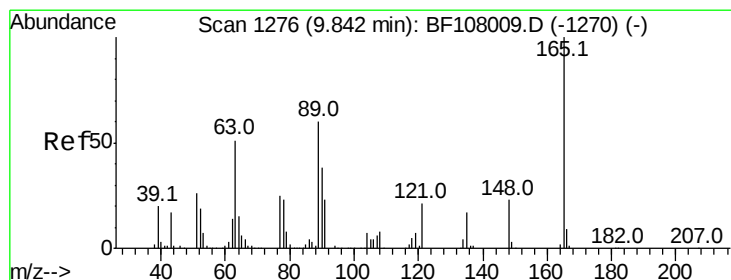
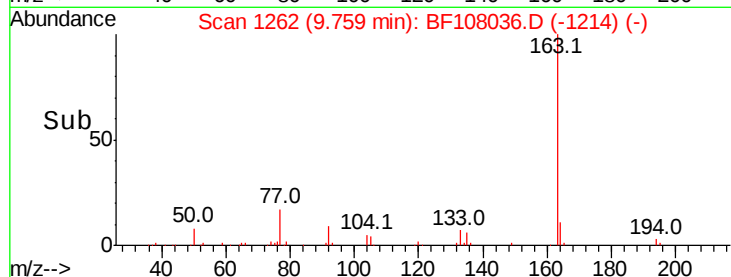
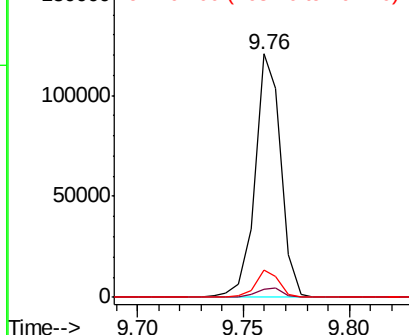


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50
2,6-Dinitrotoluene
Concen: 2.047 ng
RT: 9.83 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

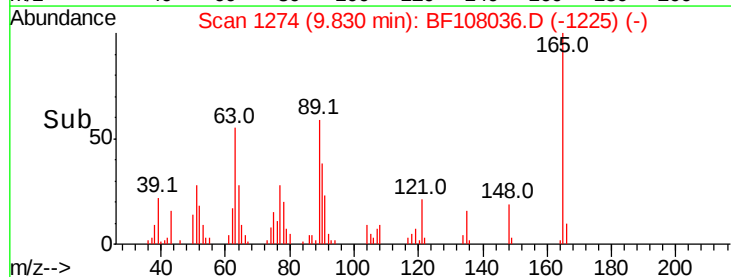
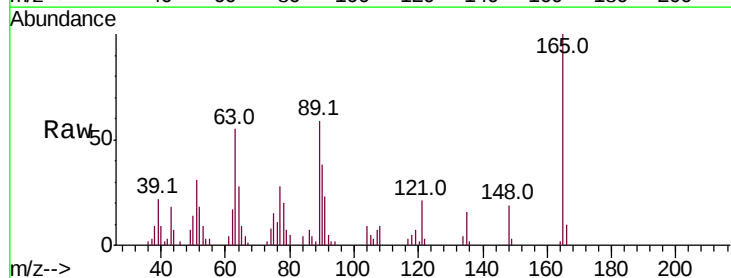
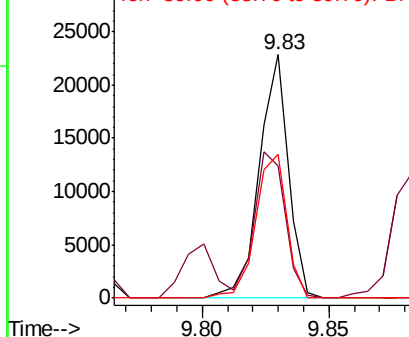
Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	54.5	44.7	67.1	
89	59.0	44.0	66.0	

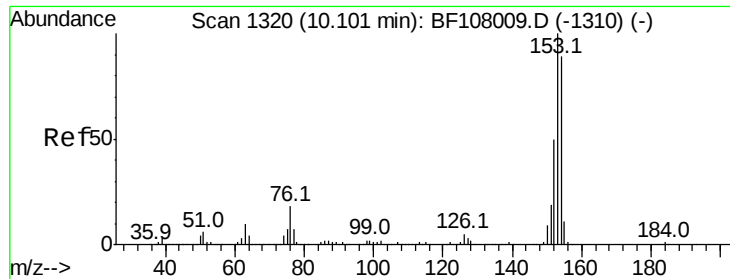
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.449 ng

RT: 10.09 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:154 Resp: 85548

Ion Ratio Lower Upper

154 100

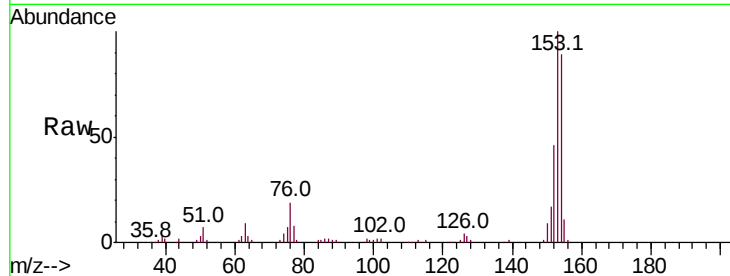
153 112.7 91.2 136.8

152 52.1 43.8 65.8

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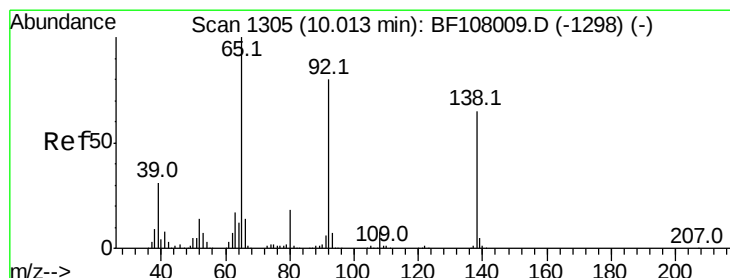
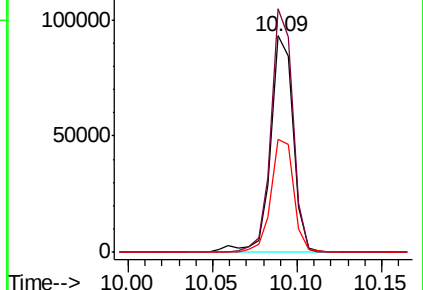
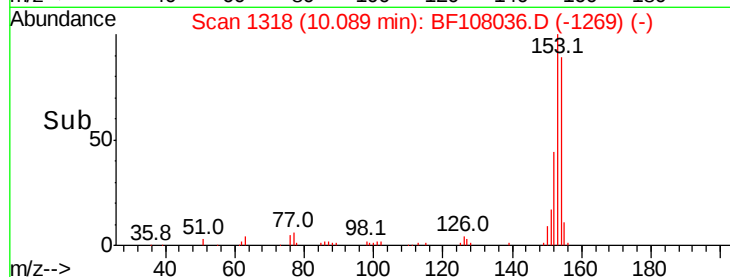
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 1.733 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

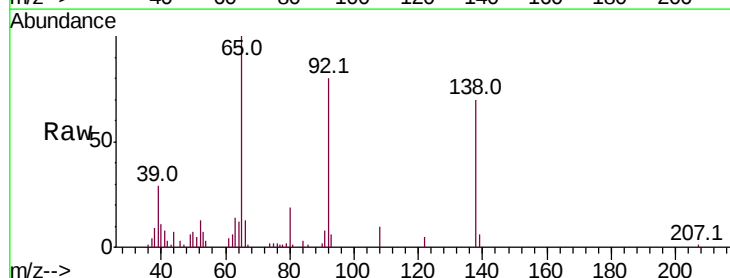
Tgt Ion:138 Resp: 17103

Ion Ratio Lower Upper

138 100

108 14.9 9.4 14.0#

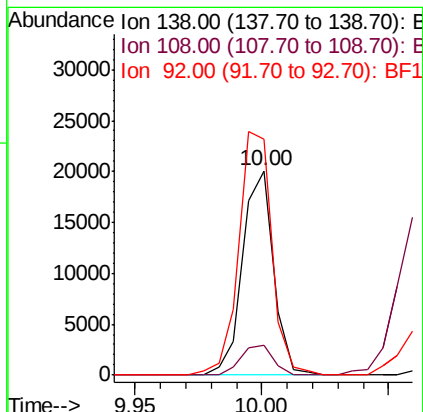
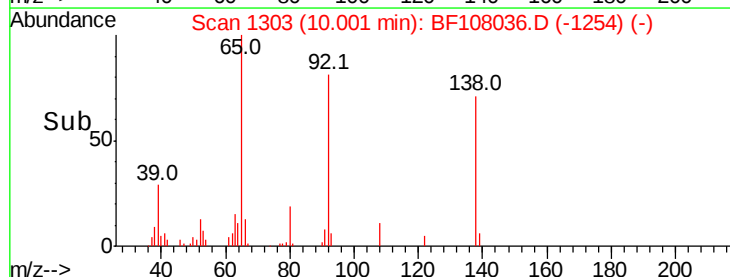
92 115.1 89.4 134.2

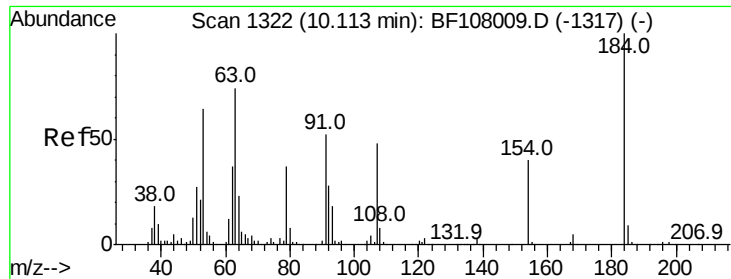


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





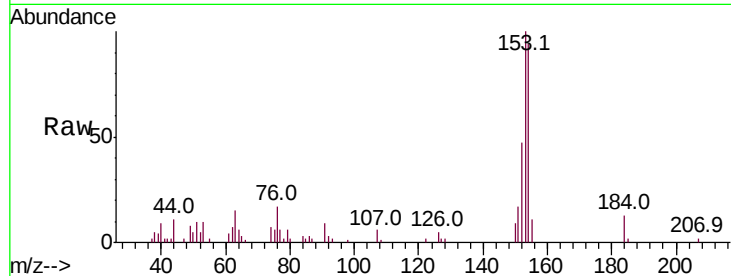
#53
 2,4-Dinitrophenol
 Concen: 7.593 ng
 RT: 10.10 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
184	100		
63	114.6	54.2	81.2#
154	719.3	184.0	276.0#

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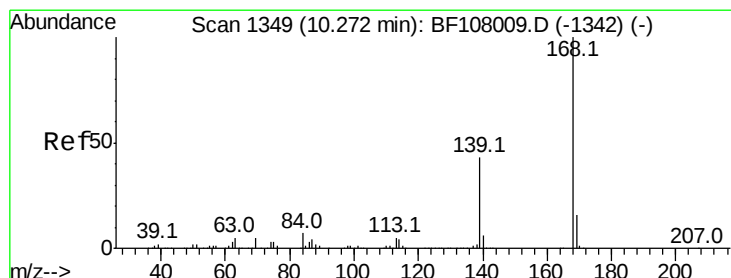
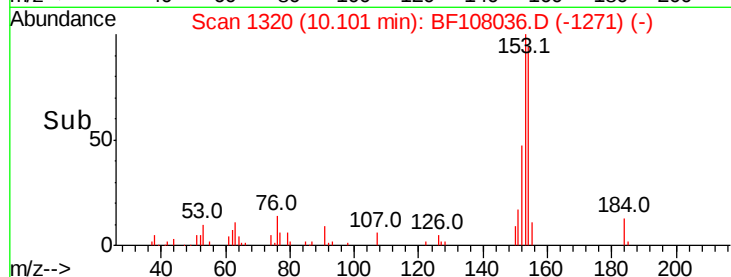
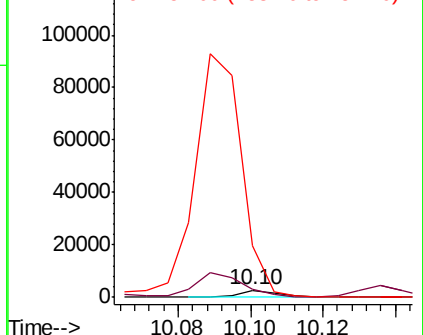


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54
 Dibenzofuran
 Concen: 2.515 ng
 RT: 10.27 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

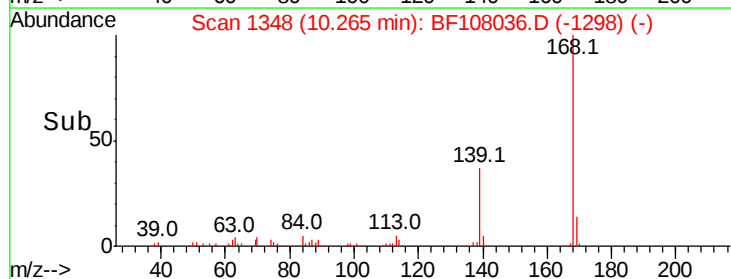
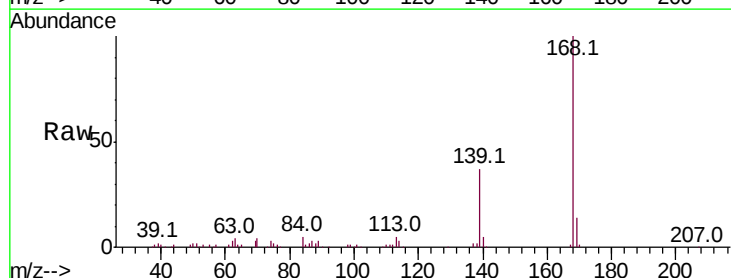
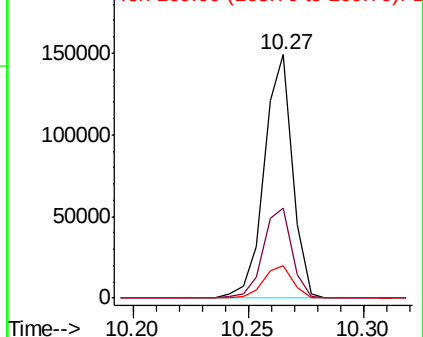
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	13.6	10.9	16.3

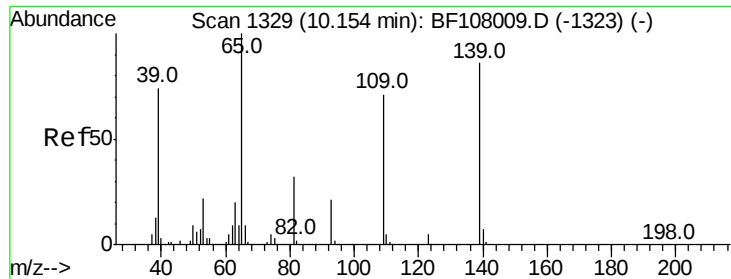
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





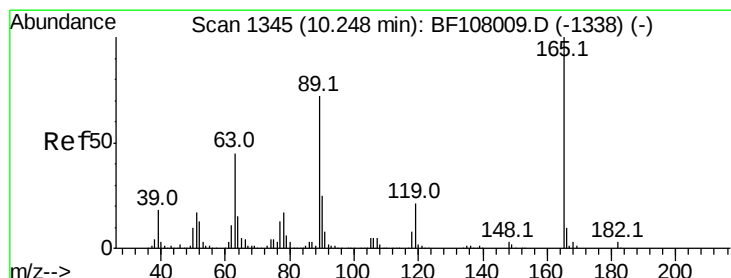
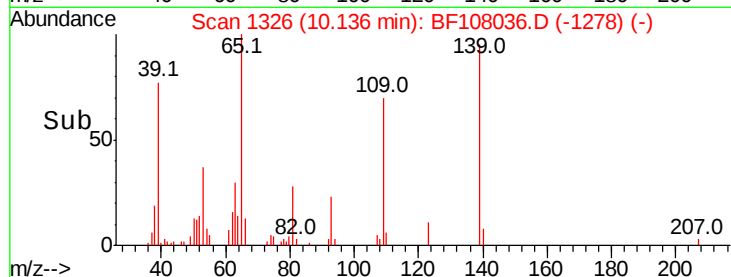
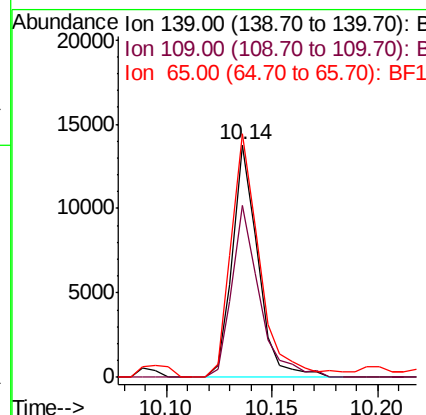
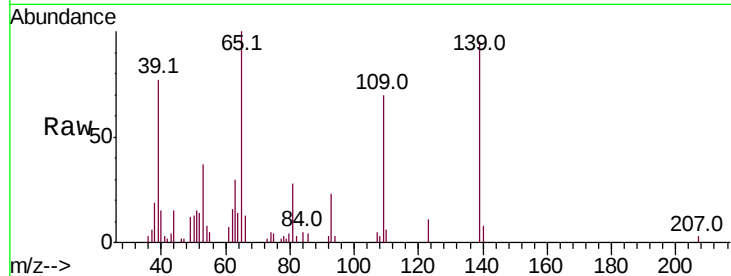
#55
4-Nitrophenol
Concen: 1.538 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	73.8	48.4	88.4	
65	104.8	72.6	112.6	

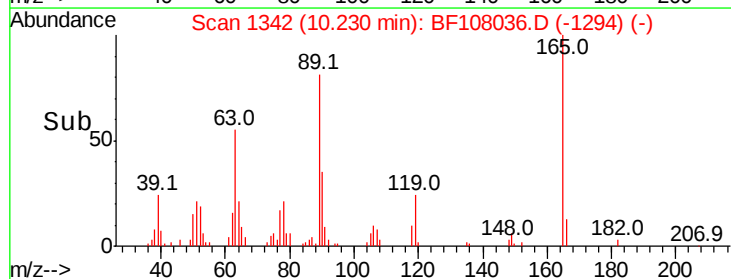
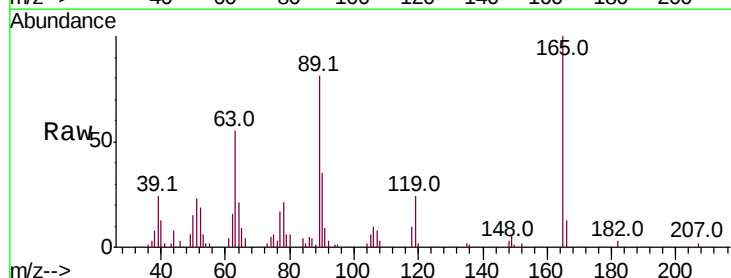
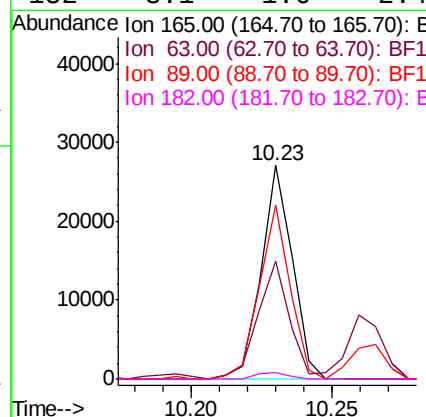
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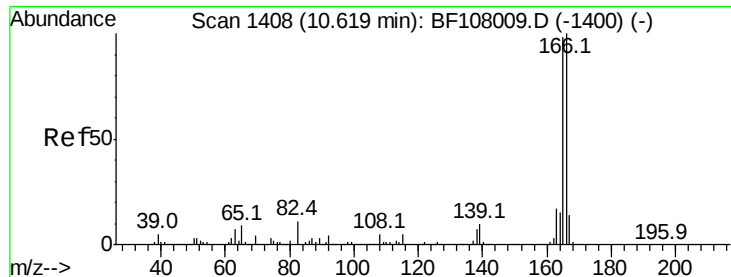
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#56
2,4-Dinitrotoluene
Concen: 1.783 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	55.4	36.4	54.6#	
89	81.5	57.8	86.6	
182	3.1	1.6	2.4#	





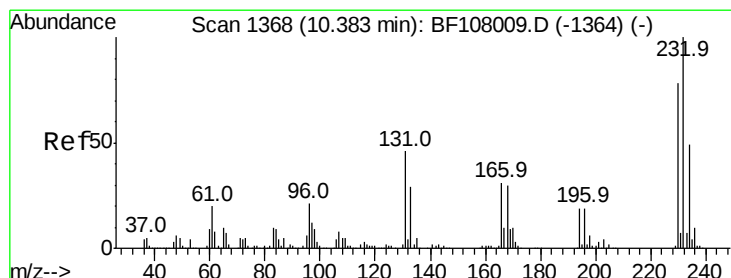
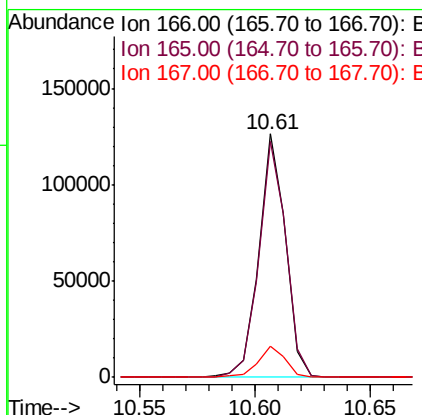
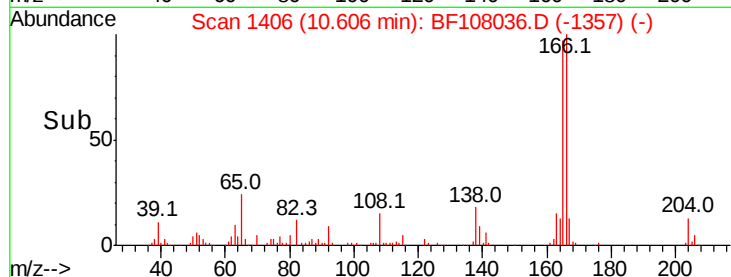
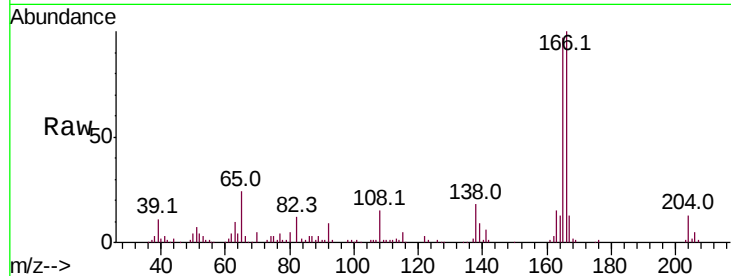
#57
 Fluorene
 Concen: 2.546 ng
 RT: 10.61 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion:	166	Resp:	102008
Ion Ratio	Lower	Upper	
166	100		
165	97.0	79.8	119.8
167	13.0	10.6	16.0

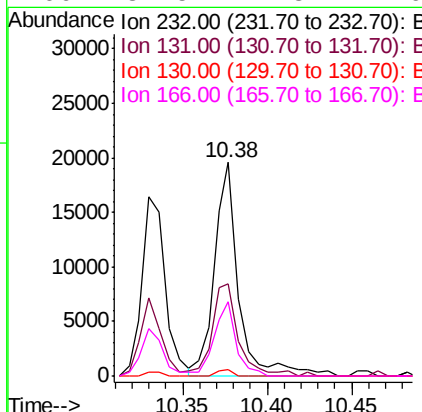
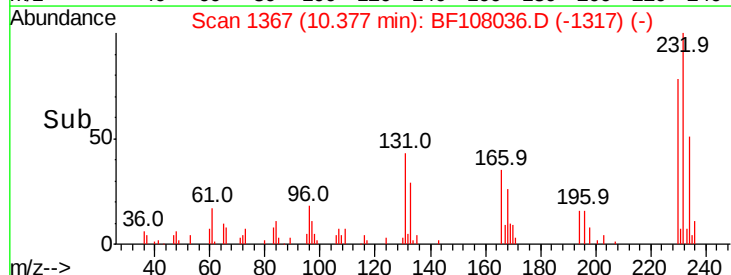
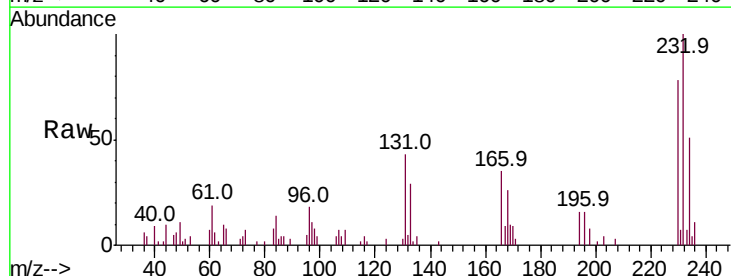
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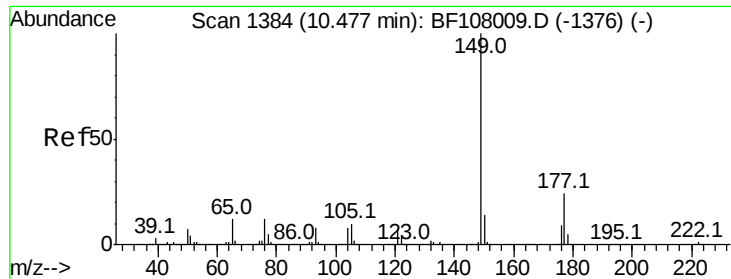
Sohil
 8/9/2018 5:01:43 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.812 ng
 RT: 10.38 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion:	232	Resp:	19667
Ion Ratio	Lower	Upper	
232	100		
131	48.1	43.8	65.8
130	1.9	2.1	3.1#
166	31.5	27.8	41.6





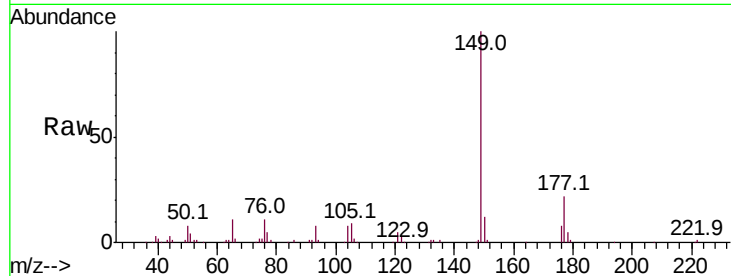
#59
Diethylphthalate
Concen: 2.341 ng
RT: 10.47 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

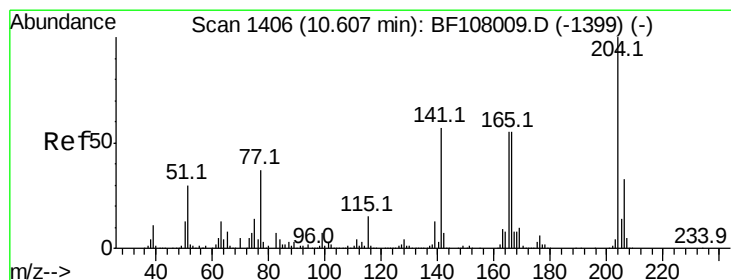
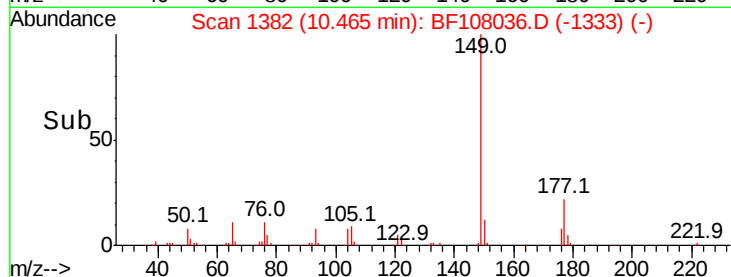
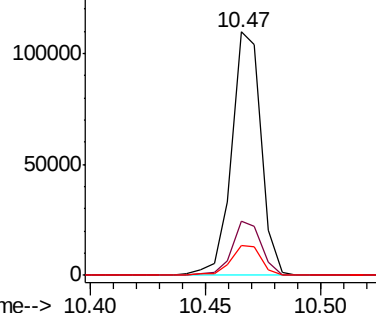
Tot Ion	Ratio	Lower	Upper
149	100		
177	22.5	16.1	24.1
150	12.4	10.1	15.1

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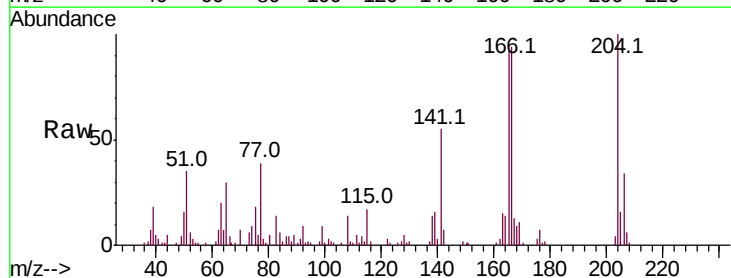


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

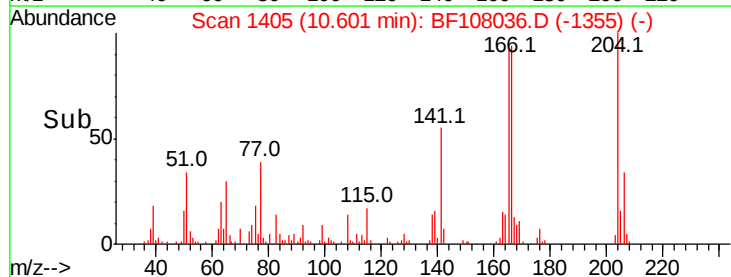
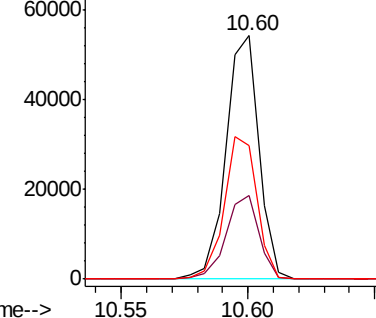


#60
4-Chlorophenyl-phenylether
Concen: 2.359 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.2	26.5	39.7
141	54.9	54.6	81.8



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





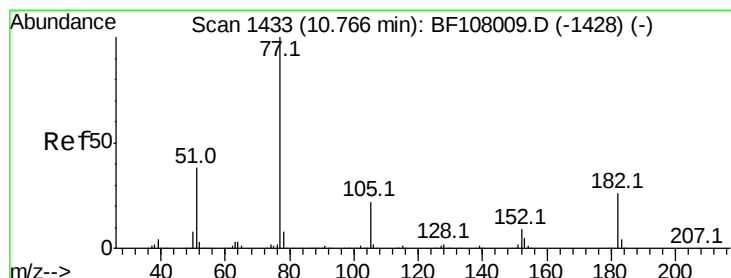
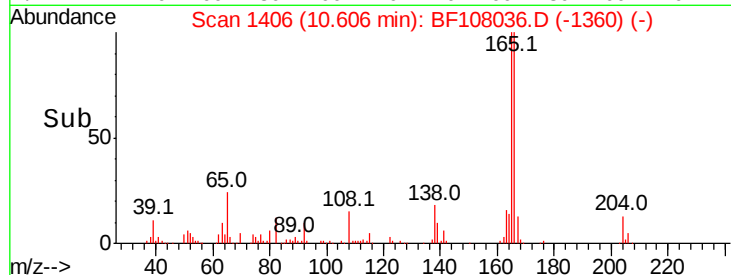
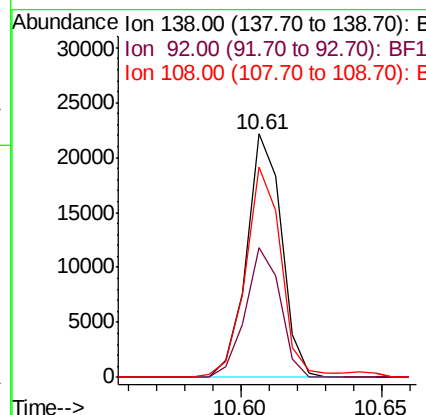
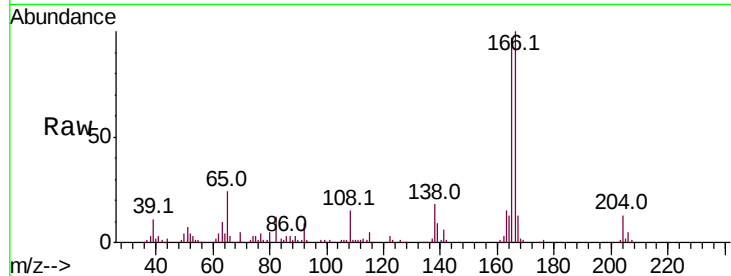
#61
4-Nitroaniline
Concen: 1.947 ng
RT: 10.61 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
138	100		
92	53.1	30.2	70.2
108	86.2	52.5	92.5

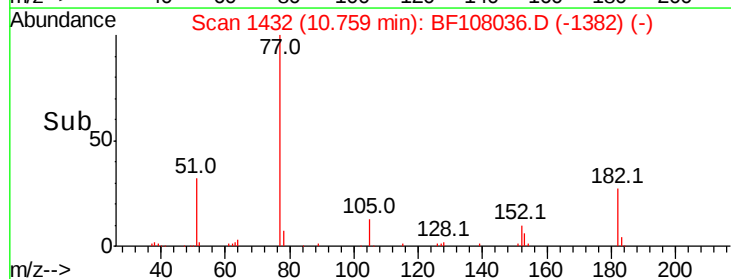
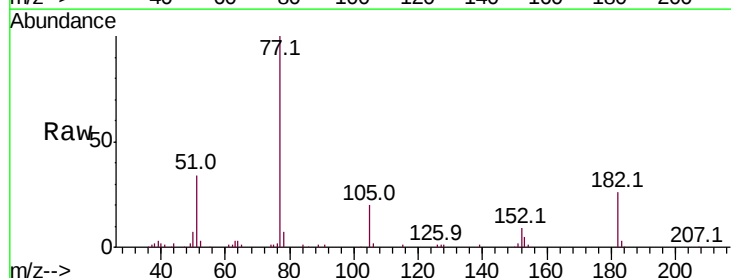
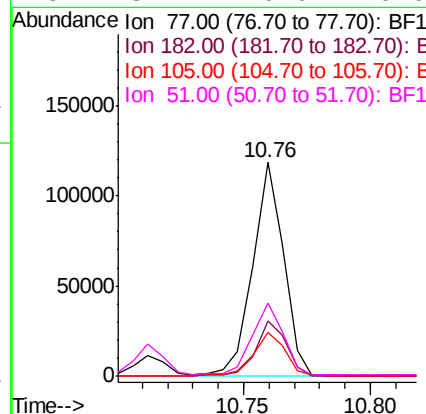
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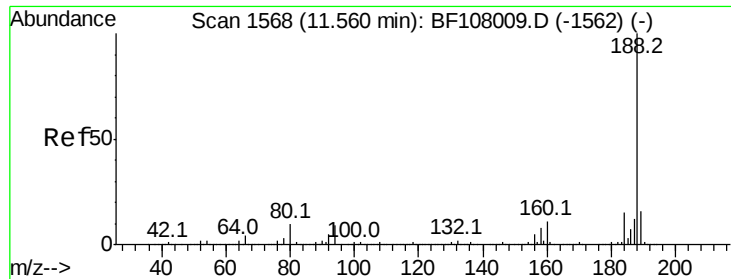
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#62
Azobenzene
Concen: 2.335 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.1	1.7	41.7
105	20.5	3.0	43.0
51	34.1	9.9	49.9





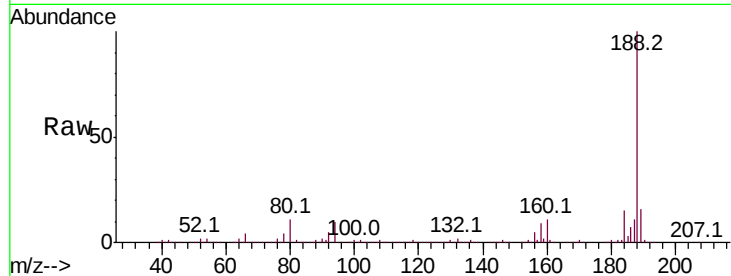
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

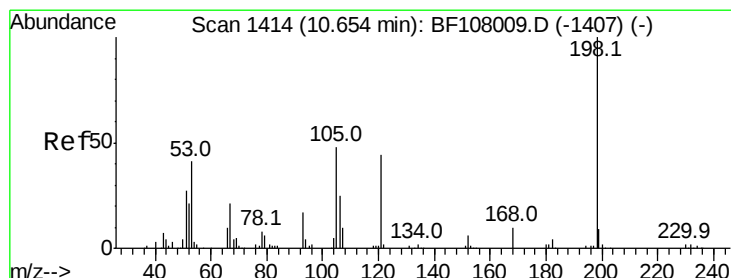
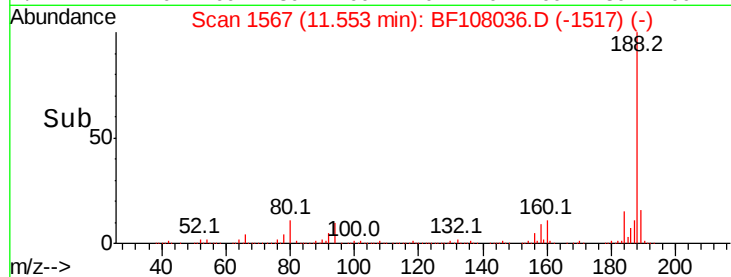
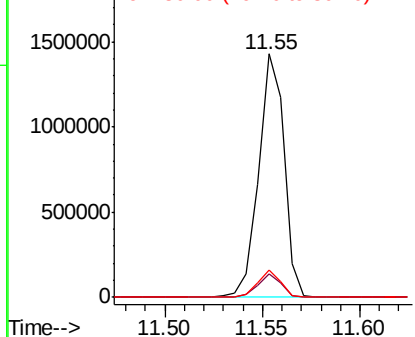
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	11.2	9.2	13.8

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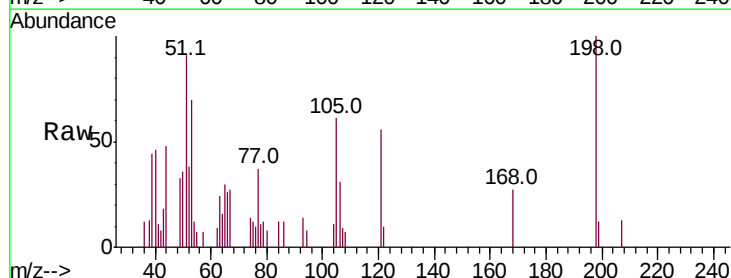


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

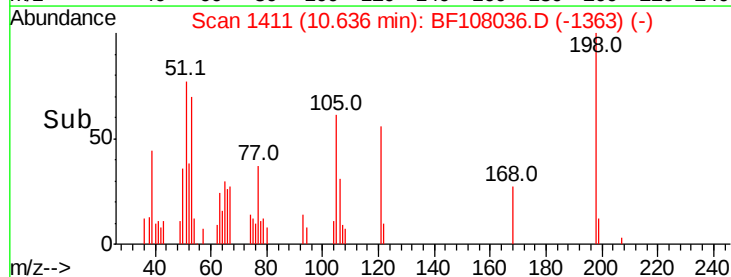
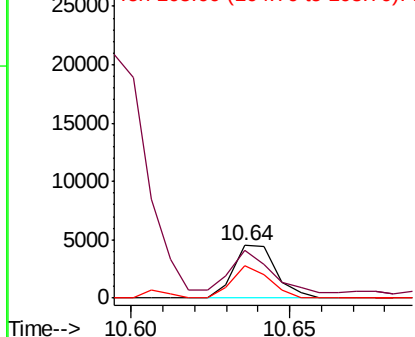


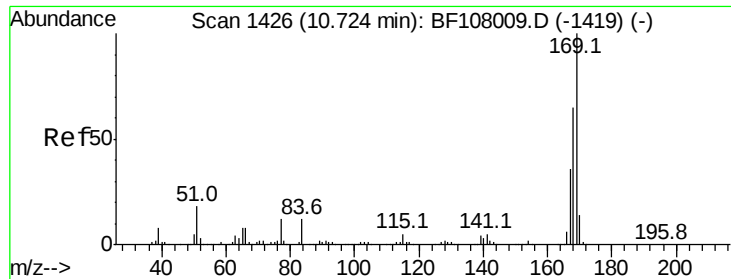
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.138 ng
 RT: 10.64 min Scan# 1411
 Delta R.T. -0.02 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
198	100		
51	91.0	37.7	77.7#
105	61.3	36.3	76.3



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E





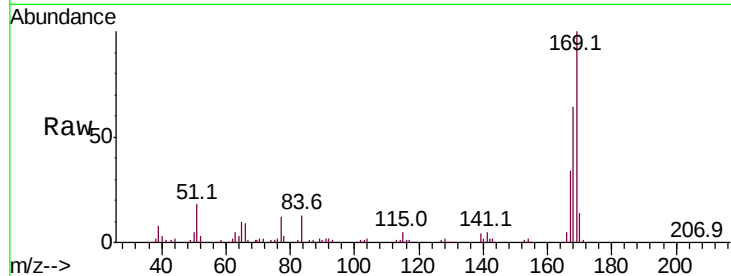
#65
n-Nitrosodiphenylamine
Concen: 2.285 ng
RT: 10.71 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	64.4	54.4	81.6	
167	34.3	29.8	44.6	

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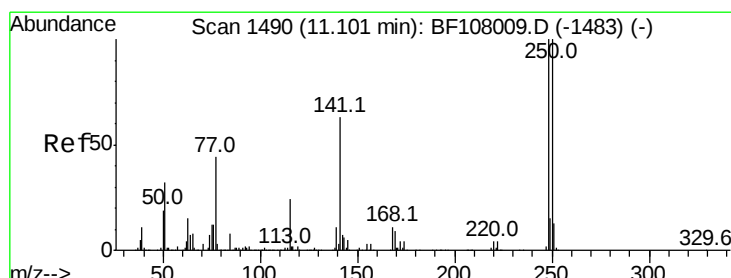
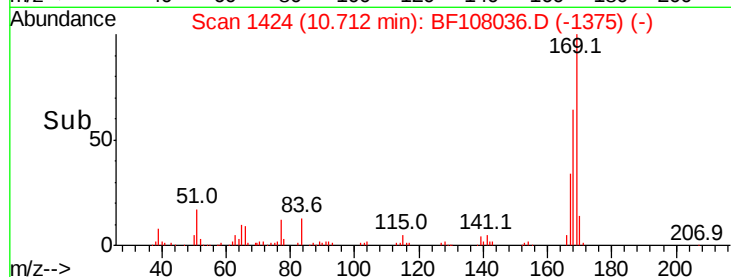
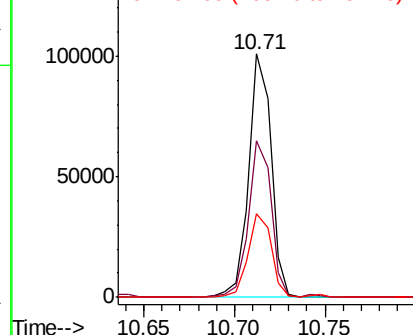


Abundance

Ion 169.00 (168.70 to 169.70): E

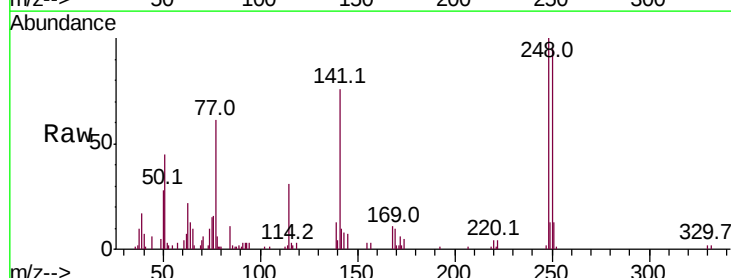
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66
4-Bromophenyl-phenylether
Concen: 2.337 ng
RT: 11.09 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	95.1	76.9	115.3	
141	75.5	74.4	111.6	

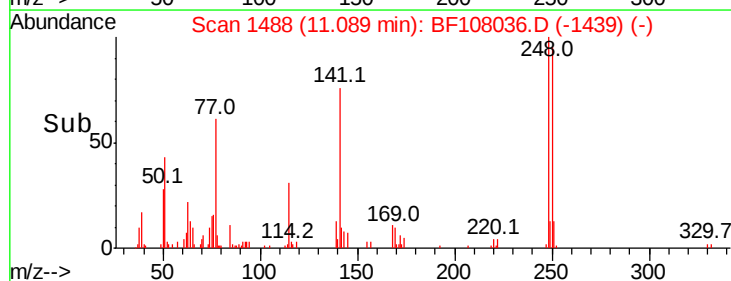
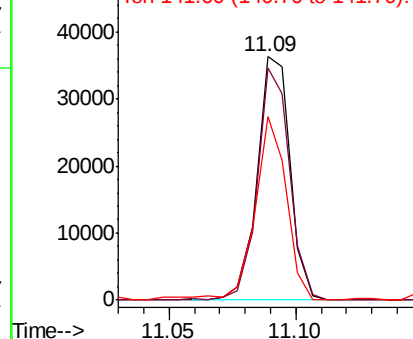


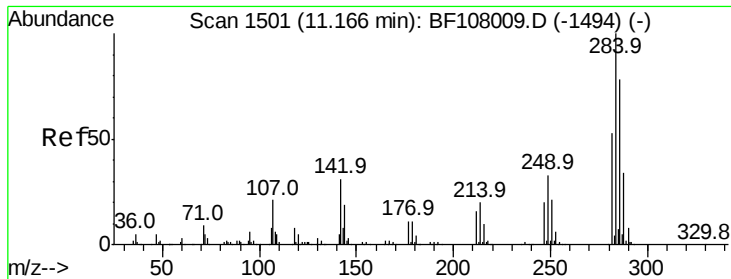
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 2.264 ng

RT: 11.16 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

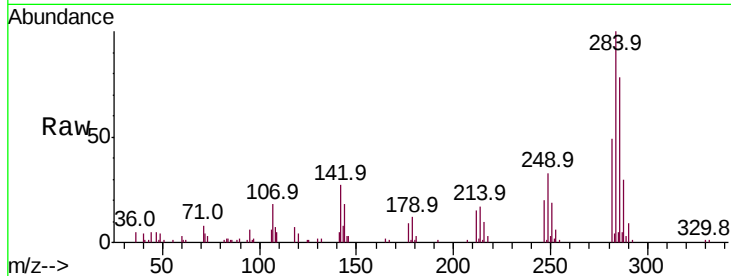
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	27.1	34.6	52.0	
249	32.8	24.8	37.2	

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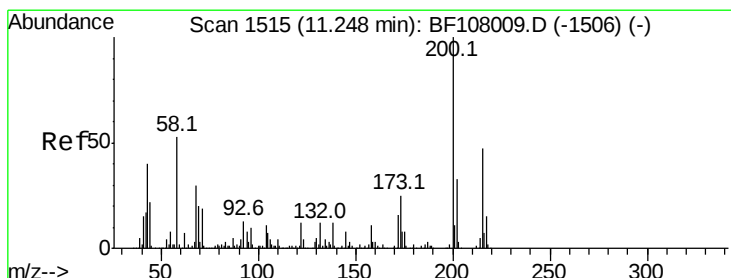
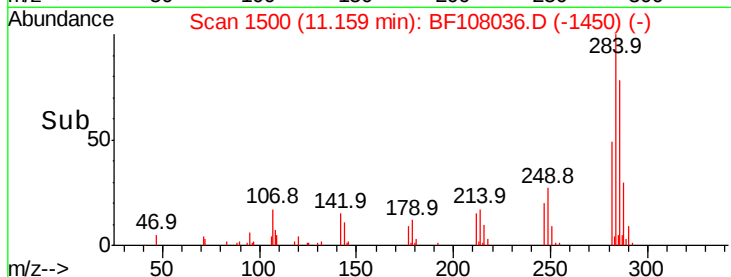
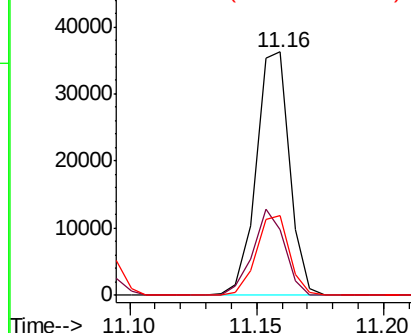


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 2.084 ng

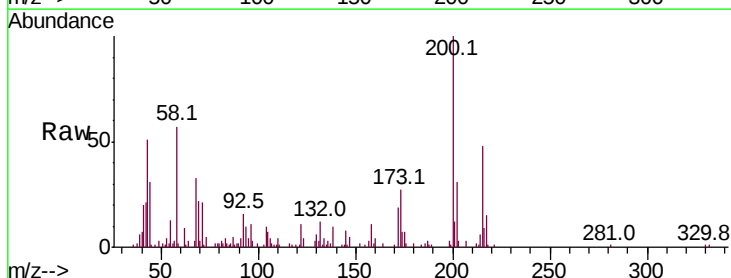
RT: 11.23 min Scan# 1512

Delta R.T. -0.02 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.3	8.6	48.6	
215	47.7	25.1	65.1	

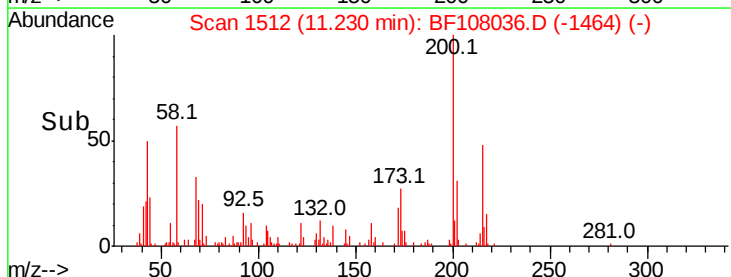
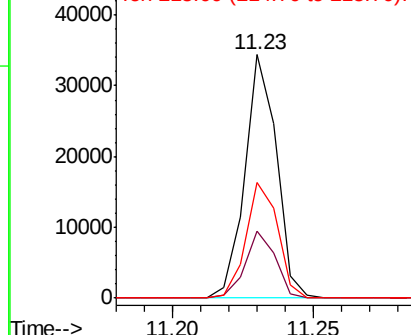


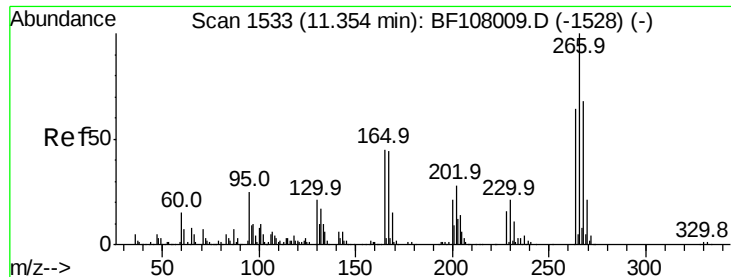
Abundance

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





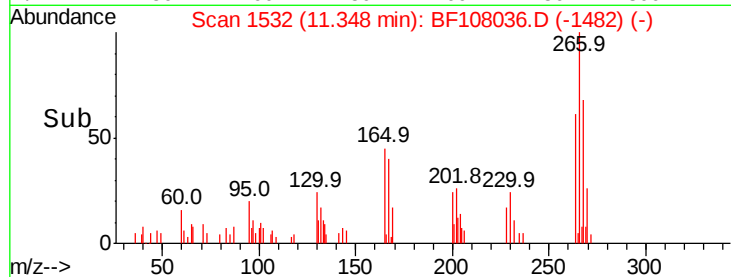
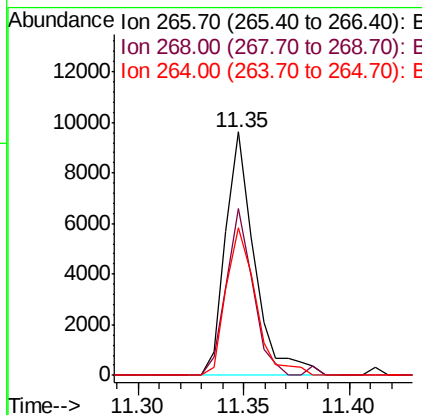
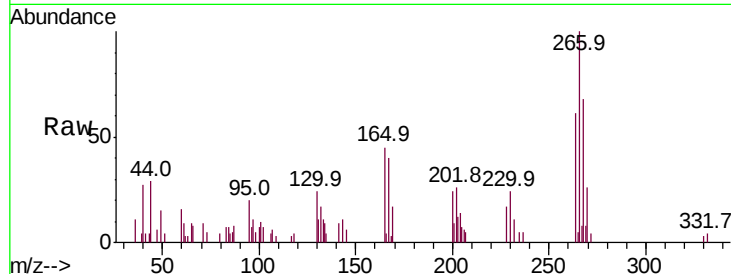
#69
 Pentachlorophenol
 Concen: 1.303 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion:	266	Resp:	9187
Ion Ratio	Lower	Upper	
266	100		
268	68.3	51.1	76.7
264	60.7	49.5	74.3

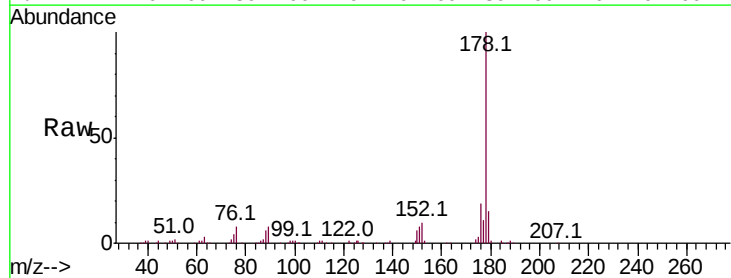
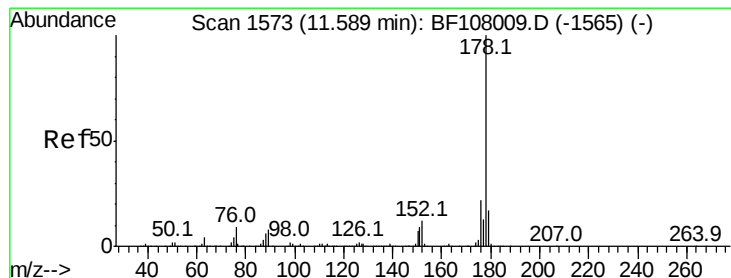
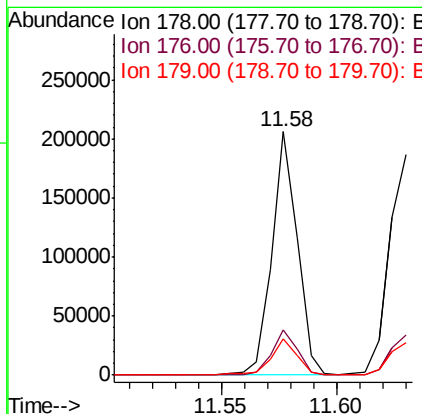
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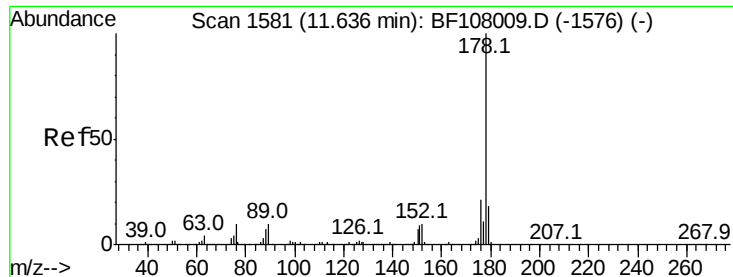
Sohil
 8/9/2018 5:01:43 PM



#70
 Phenanthrene
 Concen: 2.579 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion:	178	Resp:	156697
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	14.9	13.0	19.6





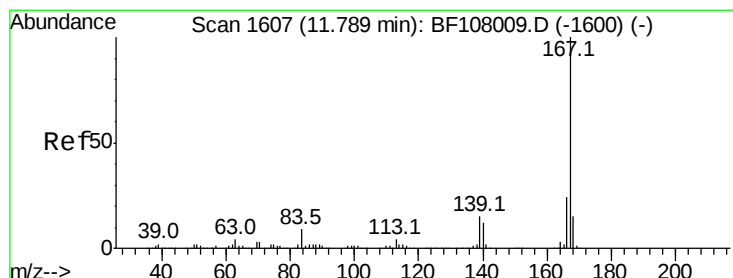
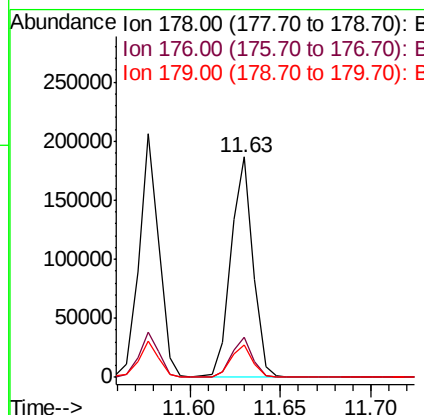
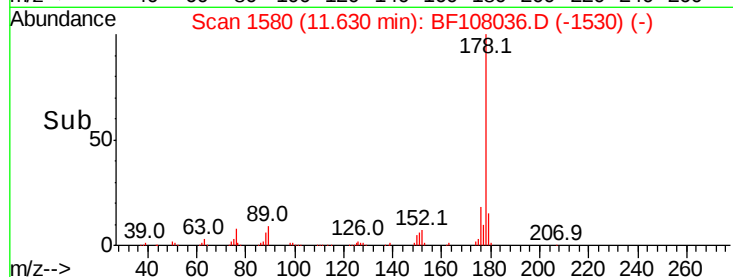
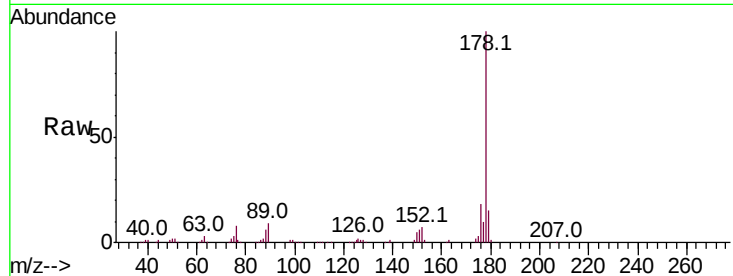
#71
 Anthracene
 Concen: 2.535 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.7	12.6	19.0

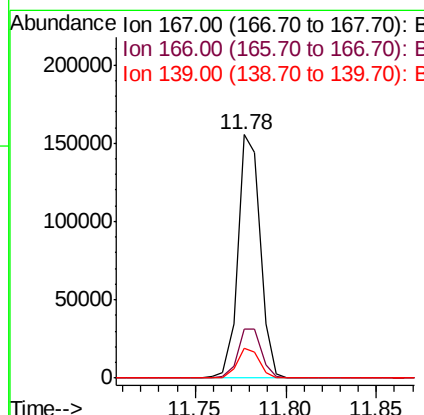
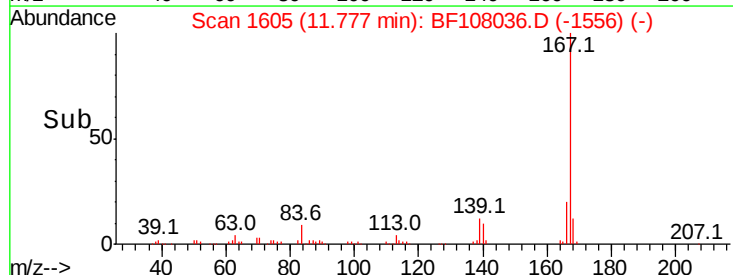
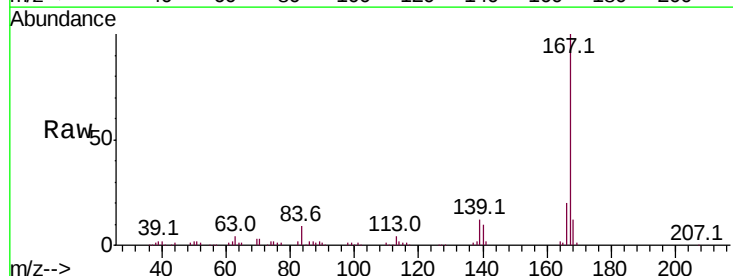
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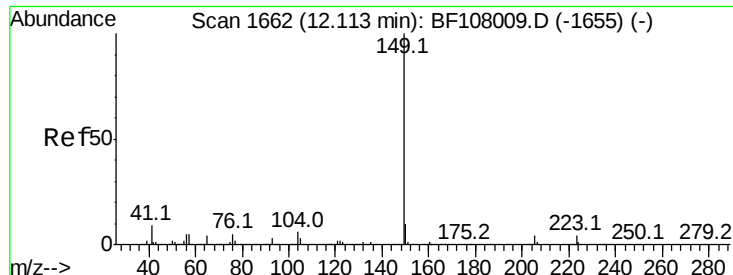
Sohil
 8/9/2018 5:01:43 PM



#72
 Carbazole
 Concen: 2.411 ng
 RT: 11.78 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.6	26.4
139	12.4	10.9	16.3





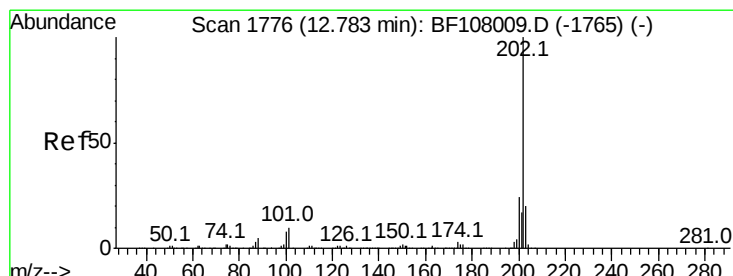
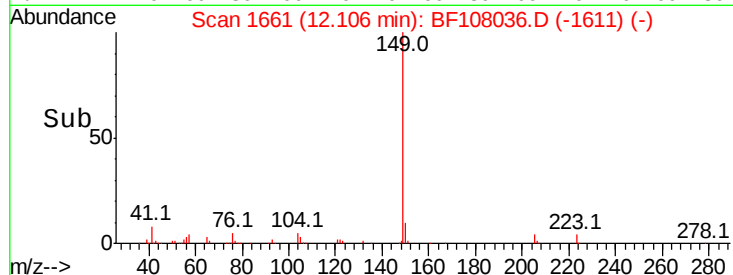
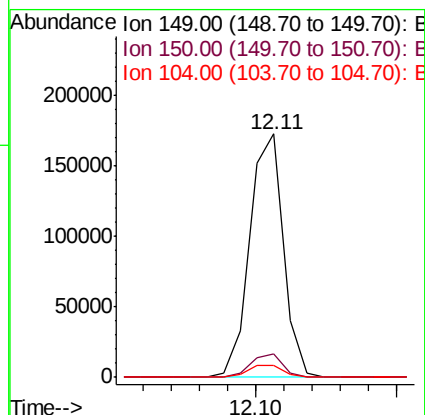
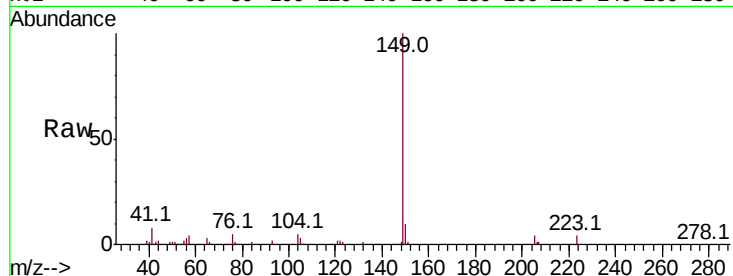
#73
Di-n-butylphthalate
Concen: 2.281 ng
RT: 12.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.9	7.8	11.6
104	4.9	3.8	5.8

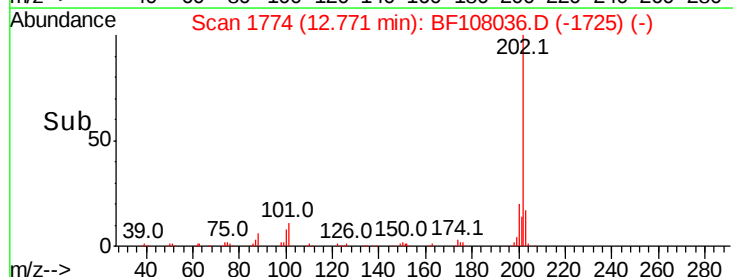
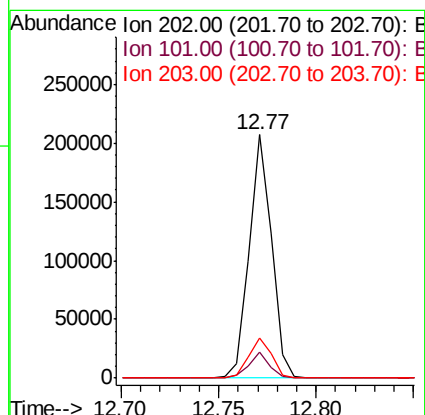
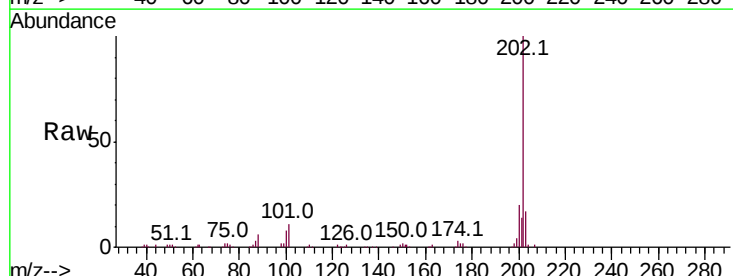
Manual Integrations
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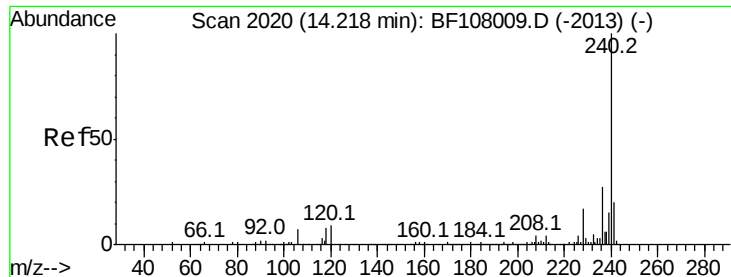
Sohil
8/9/2018 5:01:43 PM



#74
Fluoranthene
Concen: 2.492 ng
RT: 12.77 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	34.1
203	16.6	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: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:240 Resp: 1112768

Ion Ratio Lower Upper

240 100

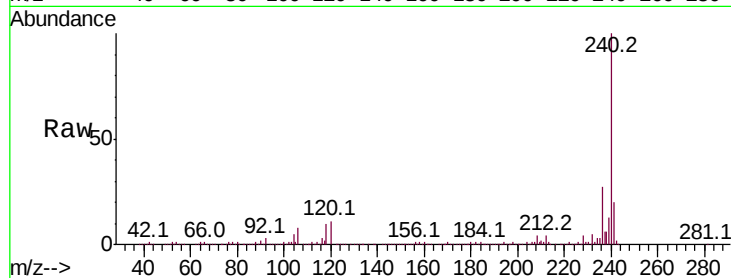
120 11.2 9.5 14.3

236 26.6 20.7 31.1

Manual Integrations
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Sohil

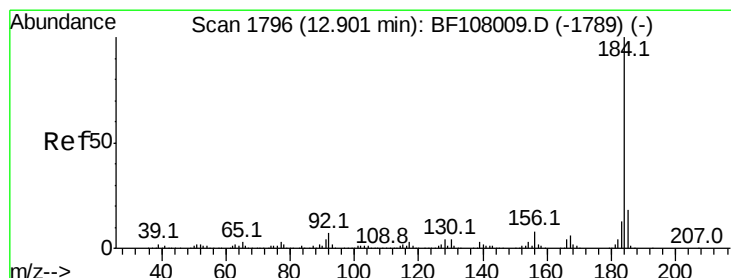
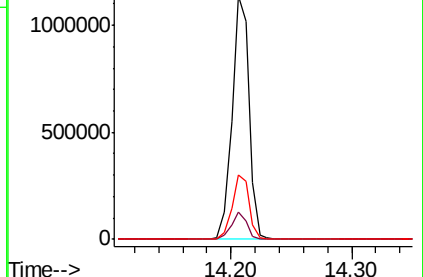
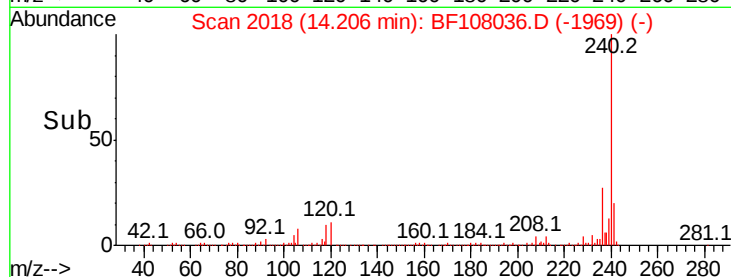
8/9/2018 5:01:43 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.485 ng

RT: 12.89 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

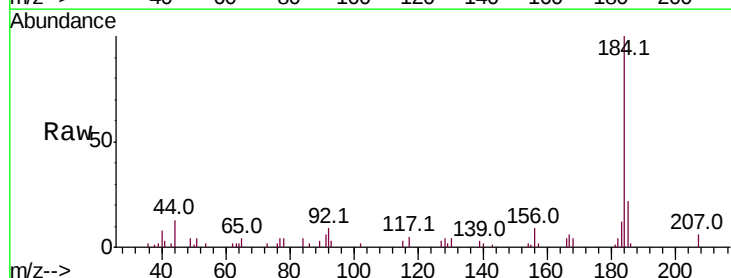
Tgt Ion:184 Resp: 20182

Ion Ratio Lower Upper

184 100

185 22.4 12.6 18.8#

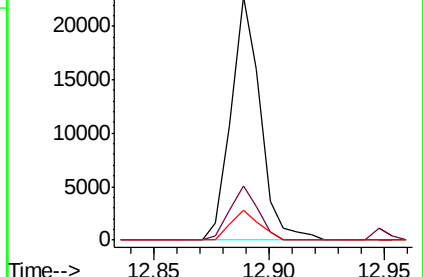
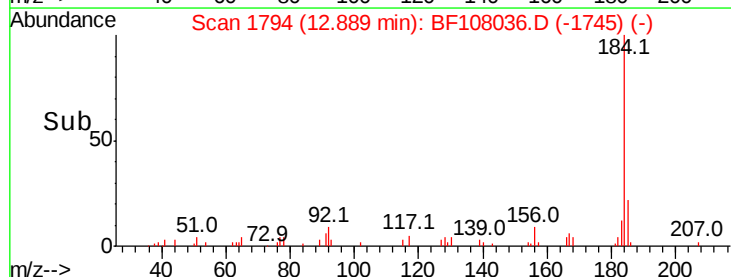
183 12.3 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





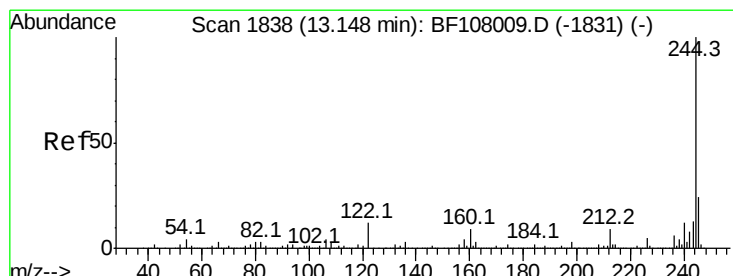
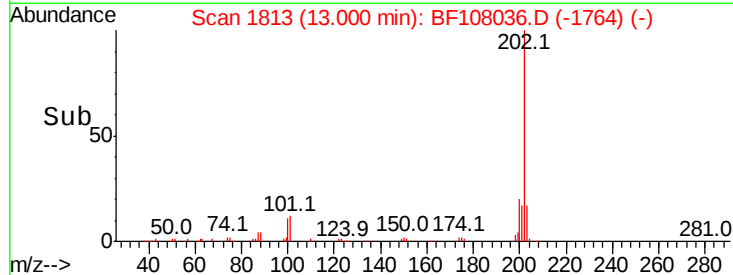
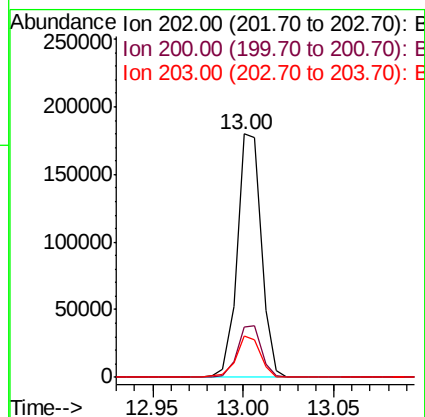
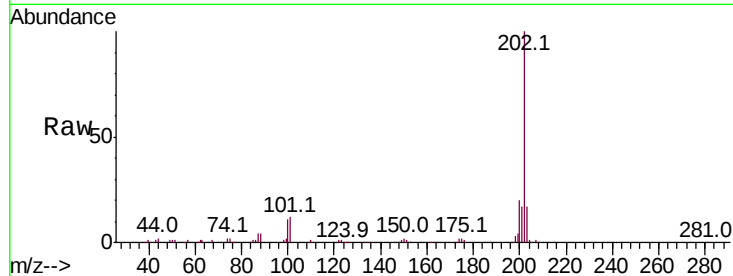
#77
Pvrene
Concen: 2.372 ng
RT: 13.00 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.4	26.2
203	16.8	14.3	21.5

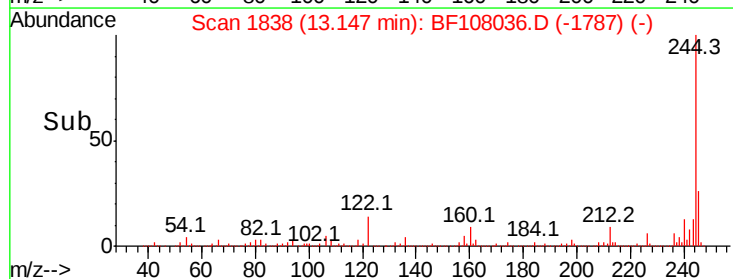
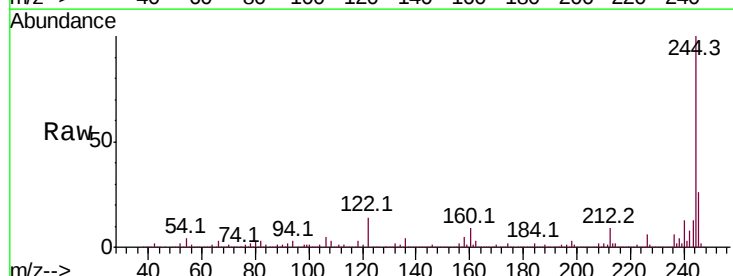
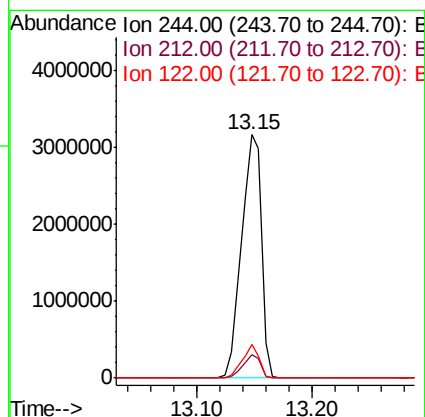
Manual Integrations
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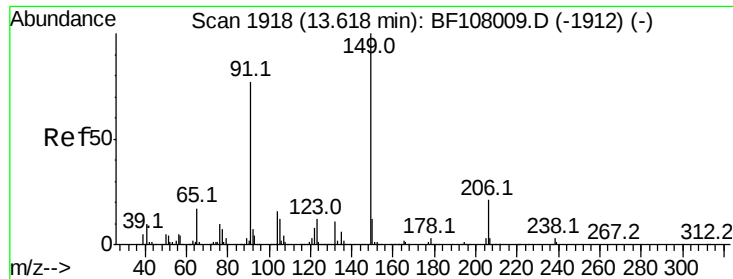
Sohil
8/9/2018 5:01:43 PM



#78
Terphenyl-d14
Concen: 86.008 ng
RT: 13.15 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.4	5.4	8.0#
122	13.8	11.0	16.4





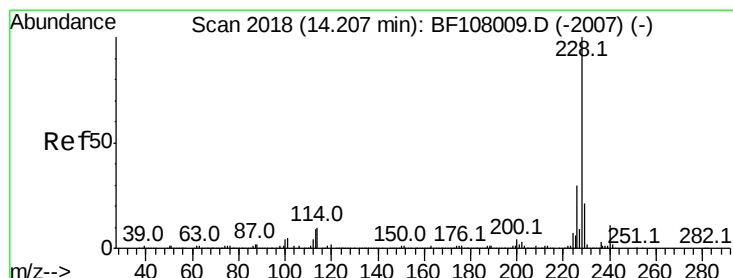
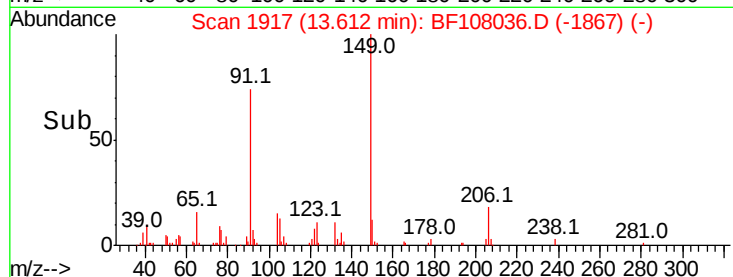
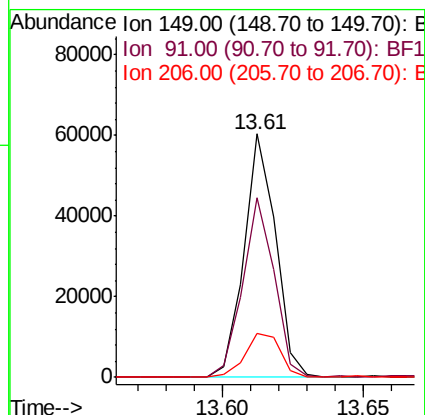
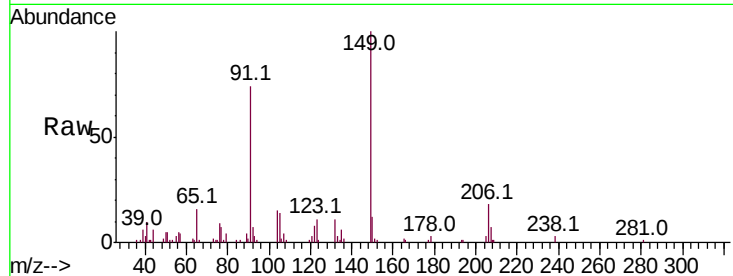
#79
Butylbenzylphthalate
Concen: 1.669 ng
RT: 13.61 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
149	100		
91	73.9	56.8	85.2
206	18.2	14.1	21.1

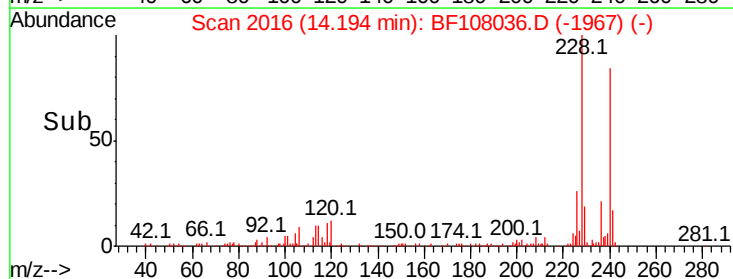
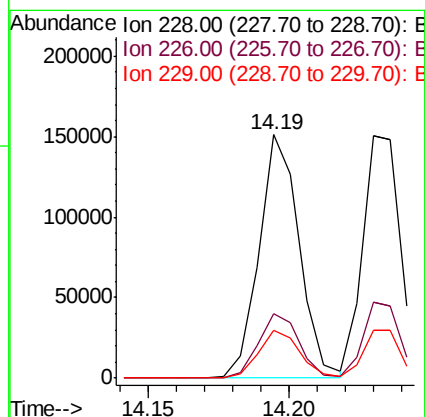
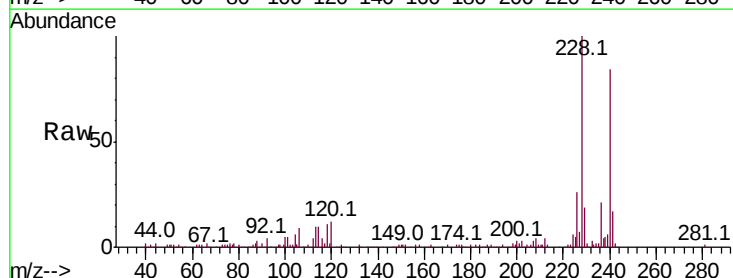
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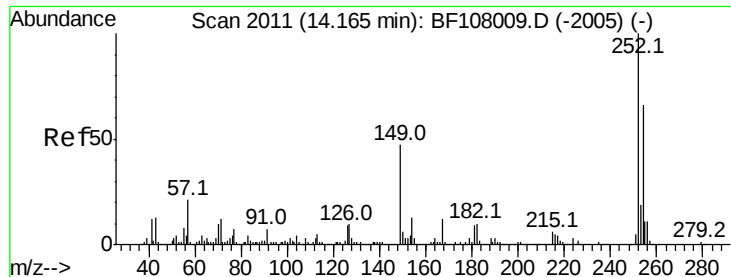
Sohil
8/9/2018 5:01:43 PM



#80
Benzo(a)anthracene
Concen: 2.332 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	33.8
229	19.5	15.8	23.6





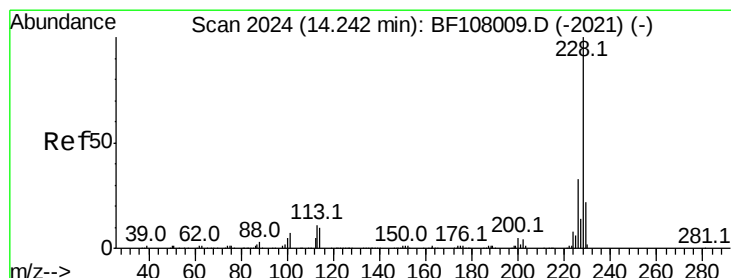
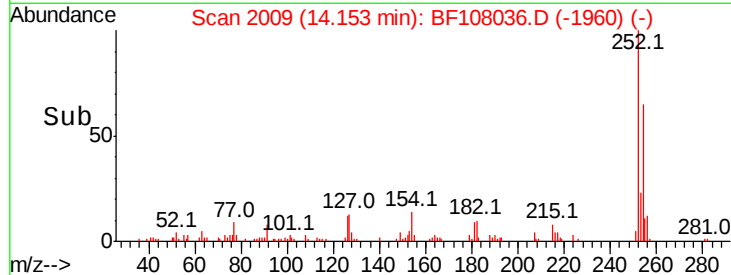
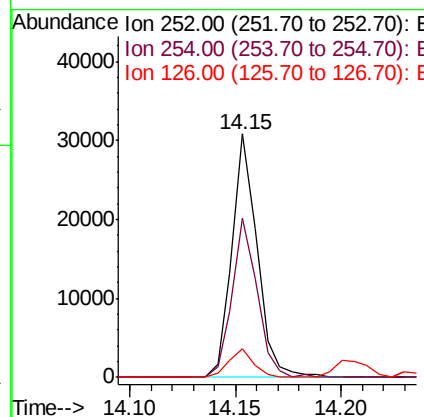
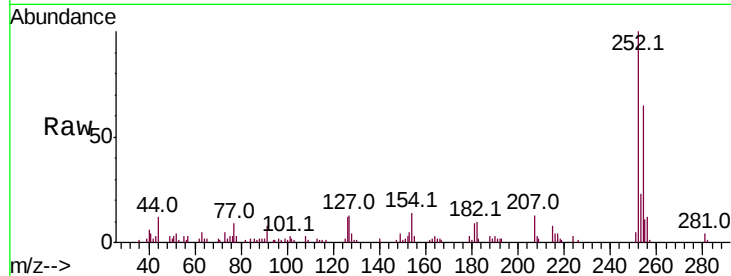
#81
3,3'-Dichlorobenzidine
Concen: 1.111 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	25417		
254	65.5		50.4	75.6
126	11.5		11.3	16.9

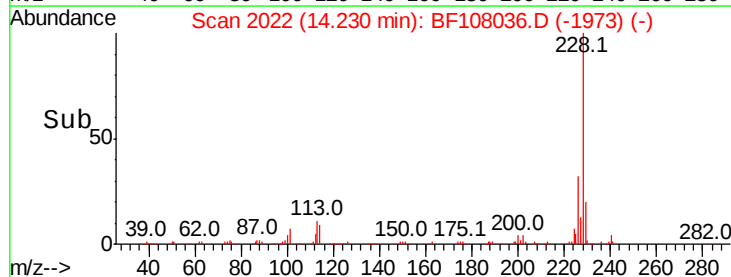
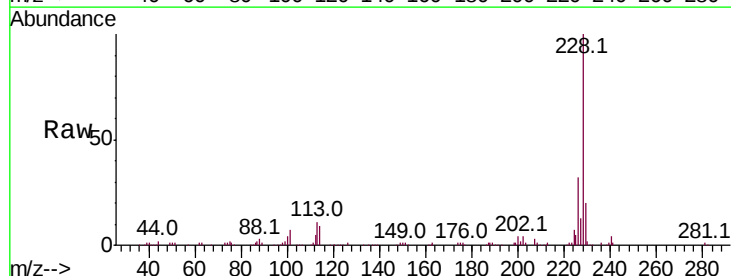
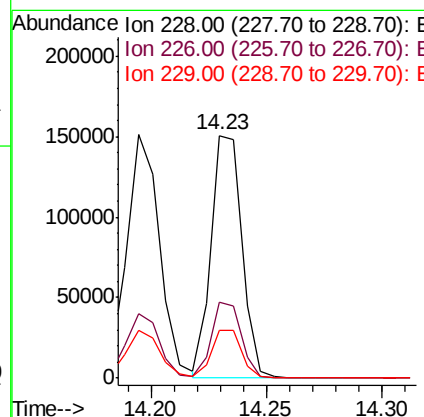
Manual Integrations
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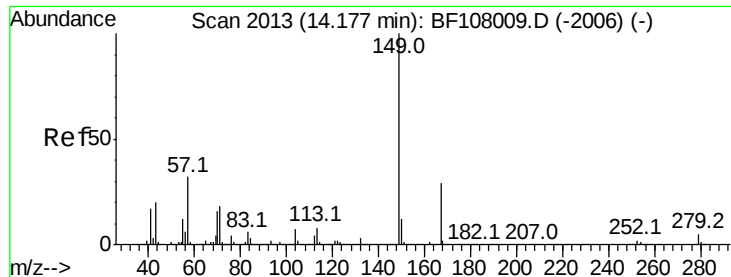
Sohil
8/9/2018 5:01:43 PM



#82
Chrysene
Concen: 2.396 ng
RT: 14.23 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	140277		
226	31.6		25.0	37.6
229	19.8		16.2	24.4





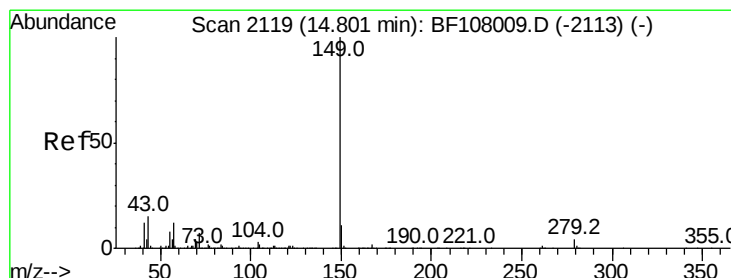
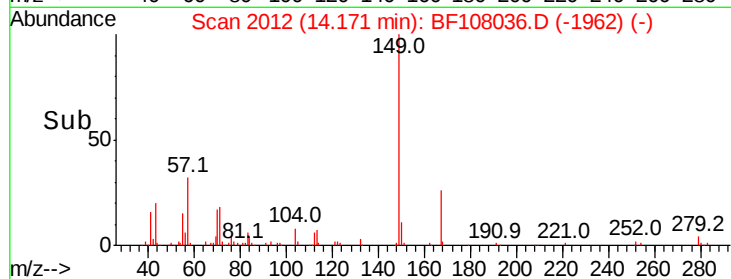
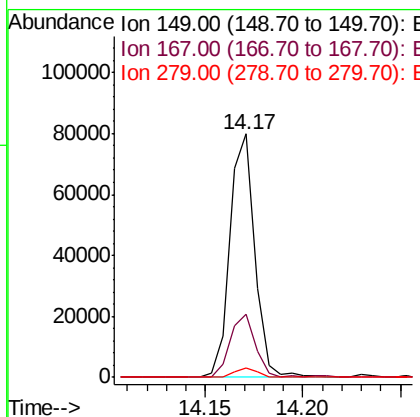
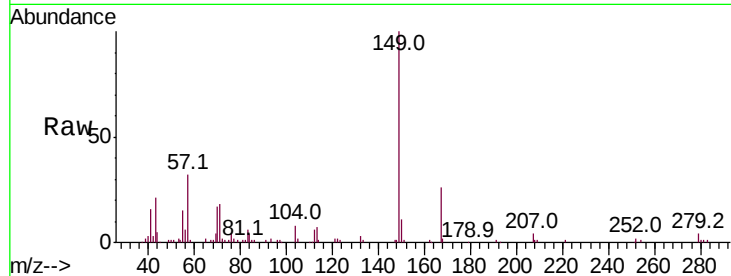
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.868 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.3	31.9
279	3.6	3.0	4.4

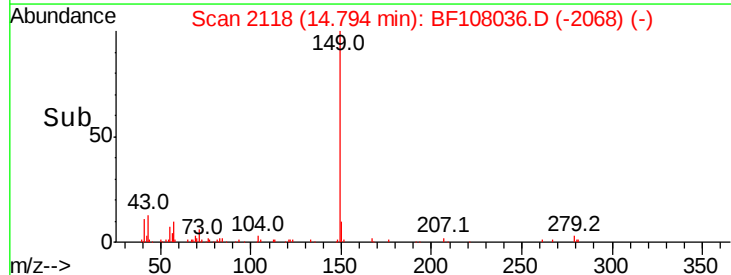
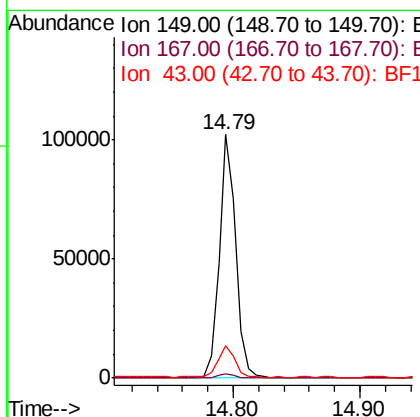
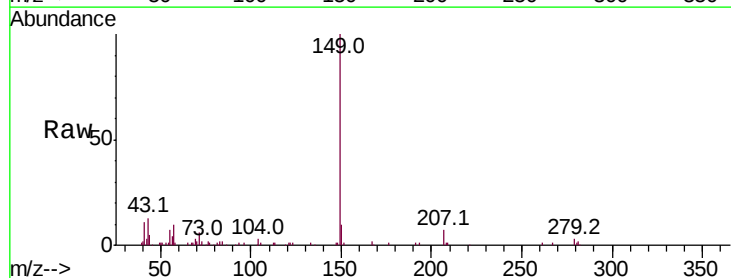
Manual Integrations
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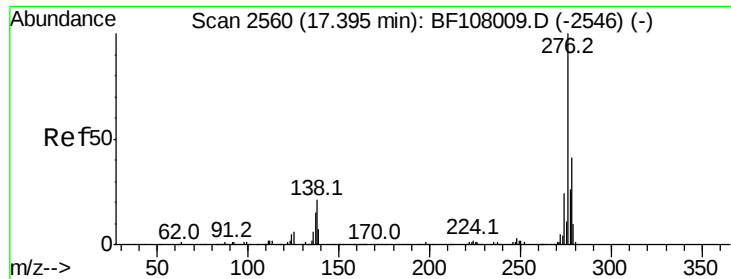
Sohil
 8/9/2018 5:01:43 PM



#84
 Di-n-octyl phthalate
 Concen: 1.614 ng
 RT: 14.79 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	13.3	8.4	12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 1.757 ng

RT: 17.36 min Scan# 2555

Delta R.T. -0.03 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Instrument :

BNA_F

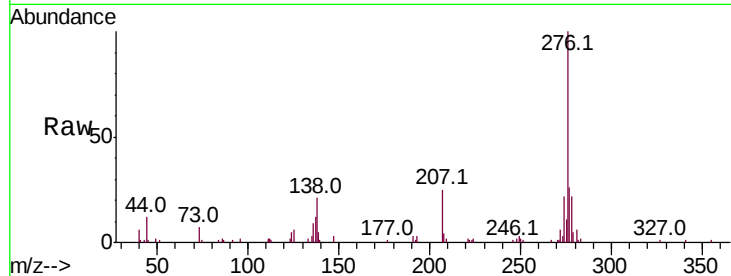
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	25.3	20.1	30.1

Manual Integrations
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8/9/2018 5:01:43 PM

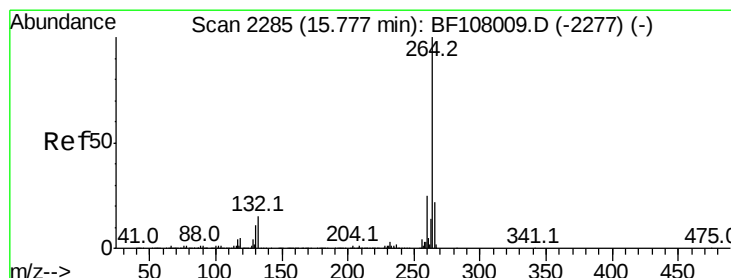
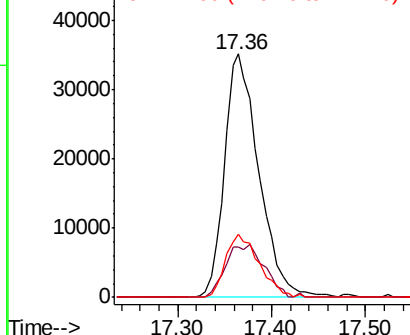
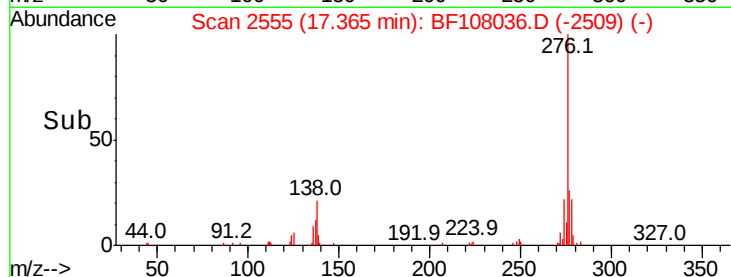


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

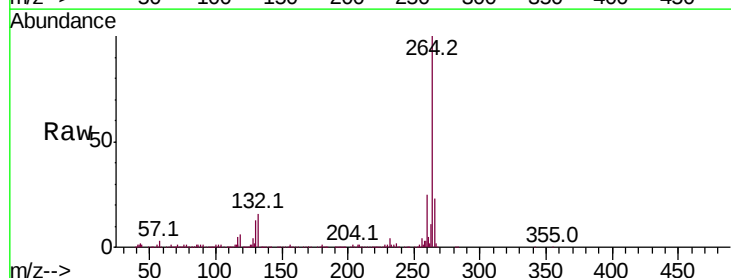
RT: 15.76 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF108036.D

Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.7	17.5	26.3

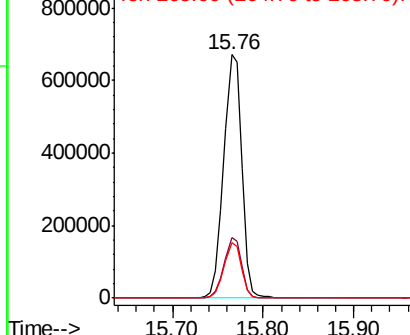
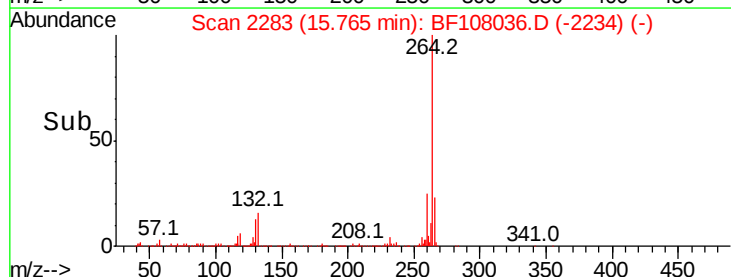


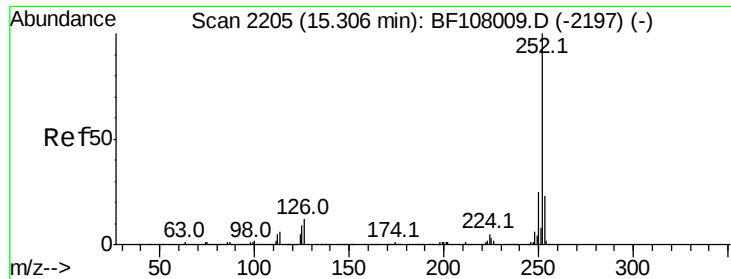
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





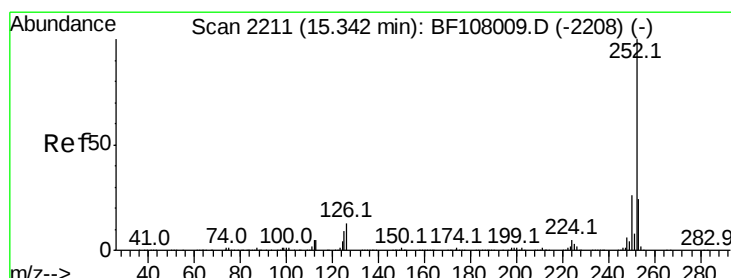
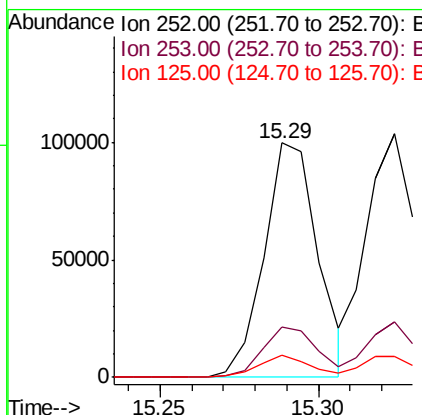
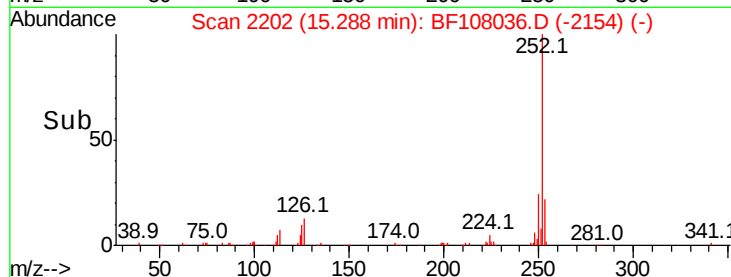
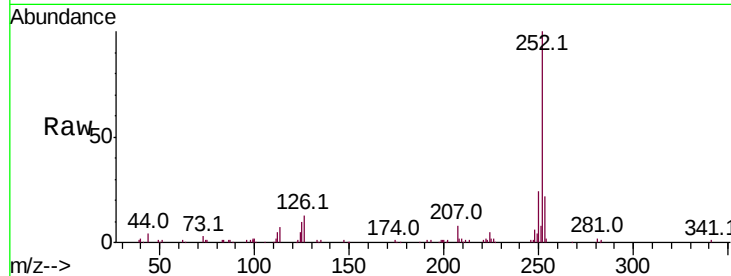
#87
Benzo(b)fluoranthene
Concen: 2.120 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	9.6	9.0	13.6

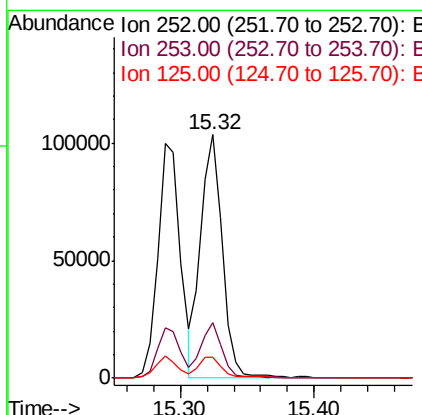
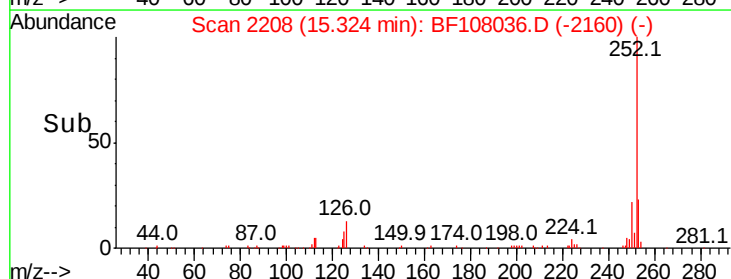
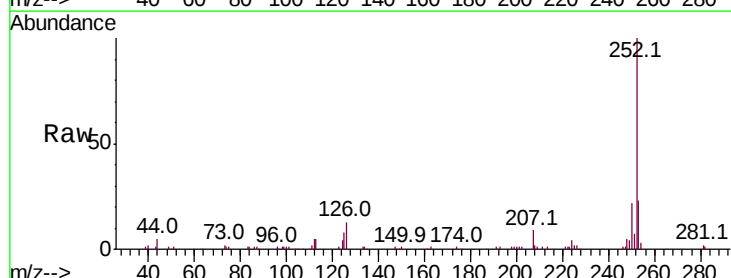
Manual Integrations
APPROVED

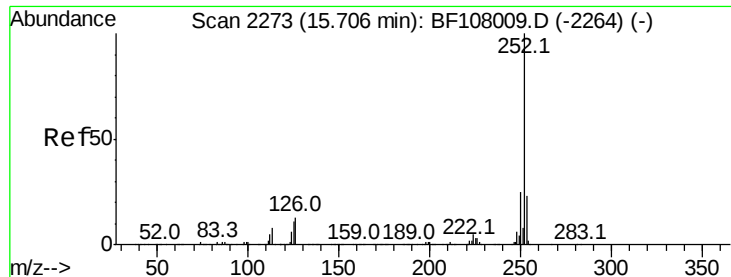
Sohil
8/9/2018 5:01:43 PM



#88
Benzo(k)fluoranthene
Concen: 2.297 ng
RT: 15.32 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	8.4	10.2	15.2#





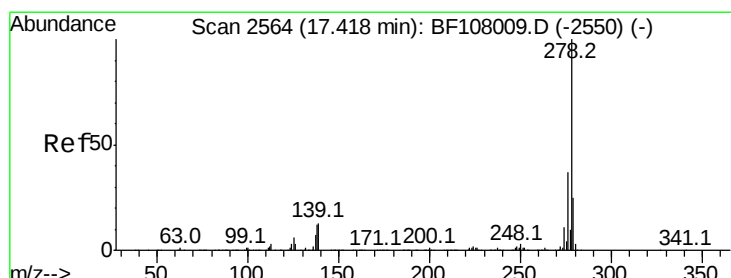
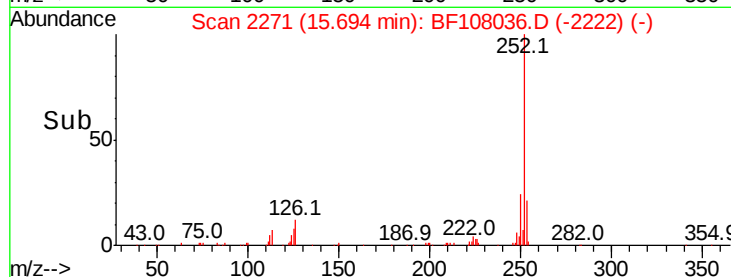
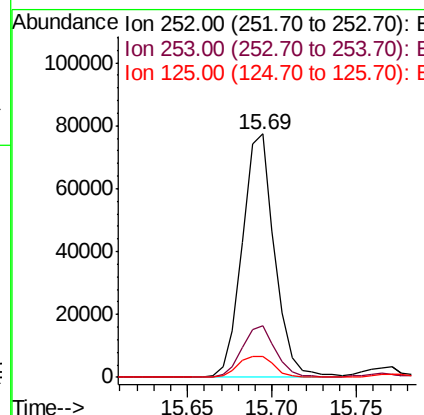
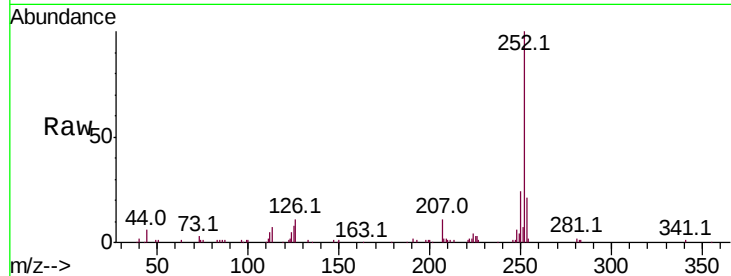
#89
Benzo(a)pyrene
Concen: 2.088 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	8.4	9.8	14.6

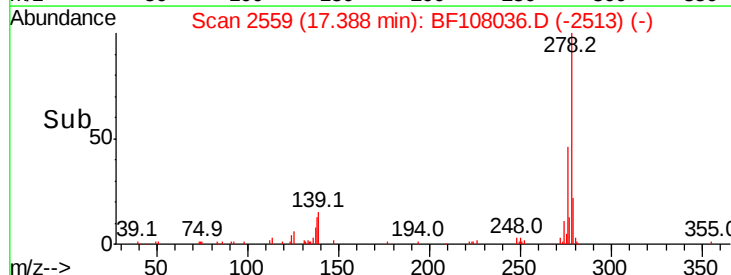
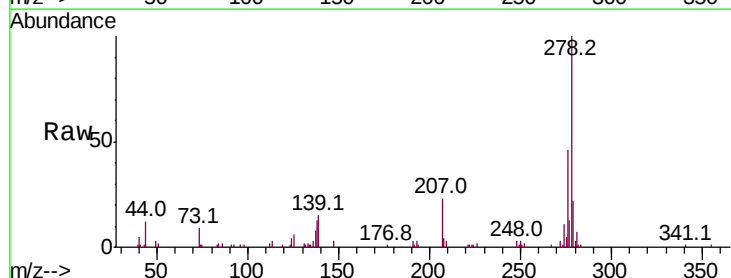
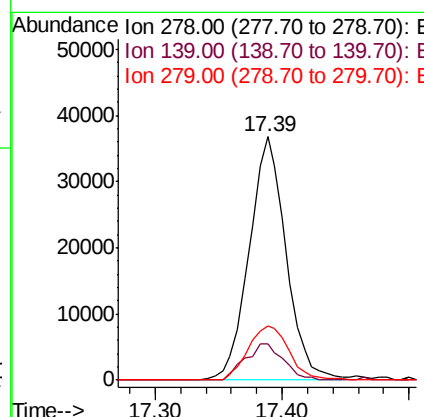
Manual Integrations
APPROVED

Sohil
8/9/2018 5:01:43 PM



#90
Dibenzo(a,h)anthracene
Concen: 1.813 ng
RT: 17.39 min Scan# 2559
Delta R.T. -0.03 min
Lab File: BF108036.D
Acq: 8 Aug 2018 22:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.7	15.9	23.9
279	22.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 1.868 ng
 RT: 17.85 min Scan# 2638
 Delta R.T. -0.04 min
 Lab File: BF108036.D
 Acq: 8 Aug 2018 22:54

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.0	17.9	26.9
138	18.6	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
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