

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108037.D
 Acq On : 8 Aug 2018 23:22
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 8 PPM
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
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 8/9/2018 5:01:46 PM

Quant Time: Aug 09 08:09:54 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	271121	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1061813	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	563361	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1162302	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1010749	20.00	ng	0.00
86) Perylene-d12	15.77	264	912503	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	2060810	137.61	ng	0.00
7) Phenol-d6	6.63	99	2762202	138.80	ng	0.00
23) Nitrobenzene-d5	7.57	82	1500867	78.88	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	874842	155.68	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2754269	78.49	ng	0.00
78) Terphenyl-d14	13.15	244	3075366	77.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.94	88	61334	7.971	ng	# 86
3) Pyridine	3.73	79	171109	8.632	ng	# 83
4) n-Nitrosodimethylamine	3.65	42	90671	8.129	ng	82
6) Aniline	6.68	93	153275	5.662	ng	96
8) 2-Chlorophenol	6.80	128	144102	8.544	ng	92
9) Benzaldehyde	6.57	77	120198	7.790	ng	97
10) Phenol	6.64	94	173723	8.440	ng	94
11) bis(2-Chloroethyl)ether	6.74	93	145563	8.747	ng	92
12) 1,3-Dichlorobenzene	6.95	146	172460	8.843	ng	99
13) 1,4-Dichlorobenzene	7.03	146	171901	8.773	ng	97
14) 1,2-Dichlorobenzene	7.18	146	160863	8.826	ng	97
15) Benzyl Alcohol	7.14	79	118564	7.077	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.28	45	293940	8.574	ng	96
17) 2-Methylphenol	7.24	107	123361	8.529	ng	95
18) Hexachloroethane	7.52	117	58585	8.398	ng	99
19) n-Nitroso-di-n-propylamine	7.41	70	114619	8.517	ng	# 85
20) 3+4-Methylphenols	7.40	107	166559	8.986	ng	92
22) Acetophenone	7.41	105	222384	8.957	ng	# 94
24) Nitrobenzene	7.59	77	174265	9.057	ng	93
25) Isophorone	7.82	82	303389	8.365	ng	100
26) 2-Nitrophenol	7.91	139	53511	7.364	ng	96
27) 2,4-Dimethylphenol	7.93	122	142805	8.871	ng	99
28) bis(2-Chloroethoxy)methane	8.03	93	185881	8.779	ng	97
29) 2,4-Dichlorophenol	8.14	162	128050	8.644	ng	95
30) 1,2,4-Trichlorobenzene	8.23	180	144215	8.830	ng	94
31) Naphthalene	8.32	128	454834	9.419	ng	99
32) Benzoic acid	7.98	122	45641m	10.252	ng	
33) 4-Chloroaniline	8.36	127	124914	5.936	ng	98
34) Hexachlorobutadiene	8.43	225	89831	8.688	ng	99
35) Caprolactam	8.70	113	40219	8.664	ng	# 80
36) 4-Chloro-3-methylphenol	8.82	107	137602	8.610	ng	98
37) 2-Methylnaphthalene	9.01	142	313641	9.180	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	151773	8.773	ng	98
40) Hexachlorocyclopentadiene	9.16	237	89825	8.038	ng	95

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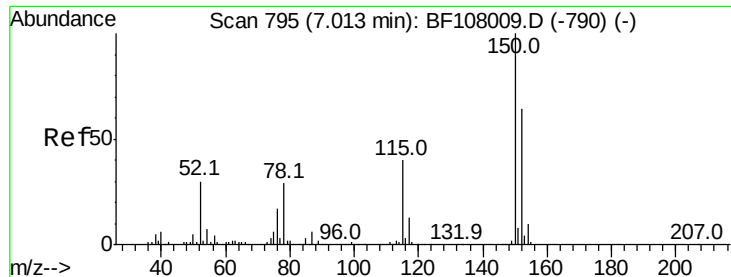
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	85547	7.968	nq	100
43) 2,4,5-Trichlorophenol	9.32	196	103657	8.771	nq	# 94
45) 1,1'-Biphenyl	9.47	154	391519	9.426	nq	99
46) 2-Chloronaphthalene	9.50	162	303876	9.256	nq	98
47) 2-Nitroaniline	9.59	65	91491	8.613	nq	# 81
48) Acenaphthylene	9.92	152	495542	9.548	nq	100
49) Dimethylphthalate	9.77	163	359933	9.172	nq	98
50) 2,6-Dinitrotoluene	9.83	165	72373	8.815	nq	97
51) Acenaphthene	10.10	154	294566	9.266	nq	96
52) 3-Nitroaniline	10.00	138	65572	7.299	nq	96
53) 2,4-Dinitrophenol	10.10	184	14610	11.358	nq	# 1
54) Dibenzofuran	10.27	168	439349	9.540	nq	99
55) 4-Nitrophenol	10.14	139	55840	8.209	nq	96
56) 2,4-Dinitrotoluene	10.23	165	94136	8.907	nq	# 84
57) Fluorene	10.61	166	352294	9.663	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.38	232	81545	8.255	nq	90
59) Diethylphthalate	10.47	149	350439	9.222	nq	95
60) 4-Chlorophenyl-phenylether	10.60	204	177701	9.354	nq	# 88
61) 4-Nitroaniline	10.61	138	78036	8.786	nq	93
62) Azobenzene	10.76	77	364550	9.289	nq	92
64) 4,6-Dinitro-2-methylphenol	10.64	198	23073	10.056	nq	92
65) n-Nitrosodiphenylamine	10.71	169	315338	9.181	nq	96
66) 4-Bromophenyl-phenylether	11.09	248	112908	8.939	nq	90
67) Hexachlorobenzene	11.16	284	114382	8.607	nq	# 86
68) Atrazine	11.24	200	100185	8.696	nq	92
69) Pentachlorophenol	11.35	266	43223	6.795	nq	100
70) Phenanthrene	11.58	178	538219	9.818	nq	99
71) Anthracene	11.63	178	550313	9.794	nq	99
72) Carbazole	11.78	167	487838	9.772	nq	97
73) Di-n-butylphthalate	12.11	149	538874	9.530	nq	99
74) Fluoranthene	12.77	202	588779	9.841	nq	95
76) Benzidine	12.89	184	128577	3.405	nq	# 94
77) Pyrene	13.01	202	589081	9.206	nq	100
79) Butylbenzylphthalate	13.61	149	208840	8.219	nq	96
80) Benzo(a)anthracene	14.19	228	533306	9.194	nq	99
81) 3,3'-Dichlorobenzidine	14.15	252	102264	4.919	nq	# 98
82) Chrysene	14.24	228	502262	9.445	nq	99
83) Bis(2-ethylhexyl)phthalate	14.17	149	295501	8.588	nq	99
84) Di-n-octyl phthalate	14.79	149	451508	8.604	nq	96
85) Indeno(1,2,3-cd)pyrene	17.37	276	391493	8.496	nq	# 92
87) Benzo(b)fluoranthene	15.29	252	497779m	9.129	nq	
88) Benzo(k)fluoranthene	15.32	252	439928	8.777	nq	# 96
89) Benzo(a)pyrene	15.69	252	426233	8.730	nq	# 98
90) Dibenzo(a,h)anthracene	17.39	278	328600	8.134	nq	# 94
91) Benzo(g,h,i)perylene	17.86	276	318076	7.996	nq	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.01 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

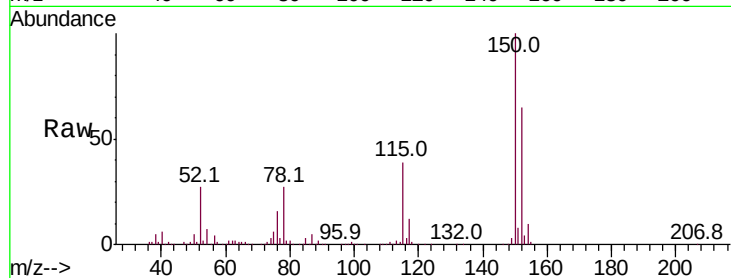
ClientSampleId :

MDL-SOIL-03-QT3-2018

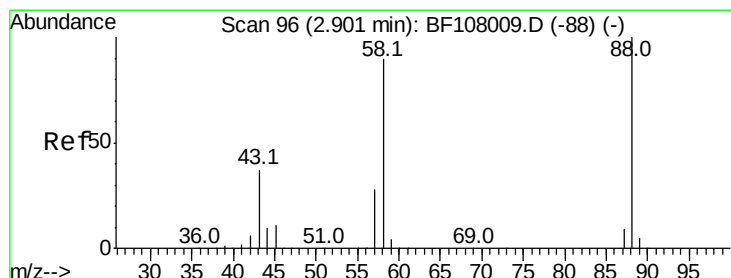
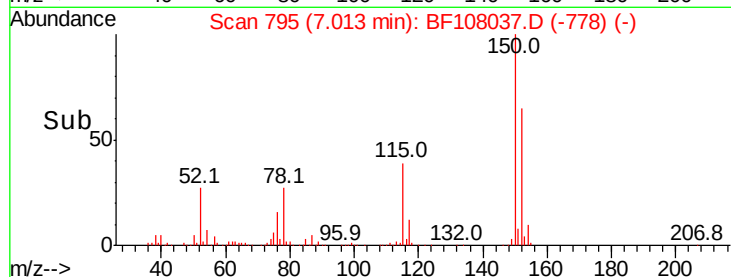
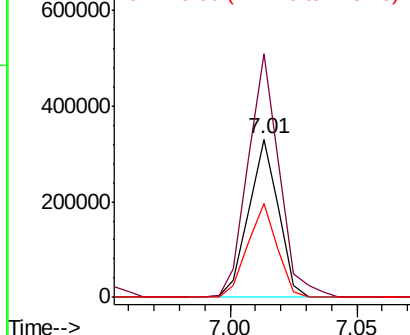
Tot Ion:	152	Resp:	271121
Ion Ratio	Lower	Upper	
152	100		
150	153.6	124.6	186.8
115	59.6	50.1	75.1

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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: 7.971 ng

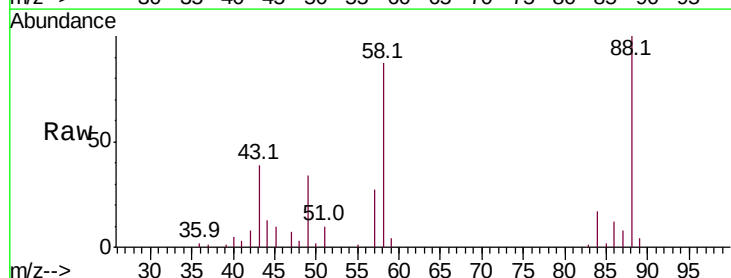
RT: 2.94 min Scan# 103

Delta R.T. 0.04 min

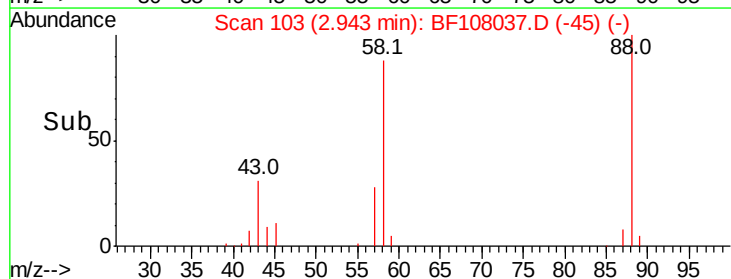
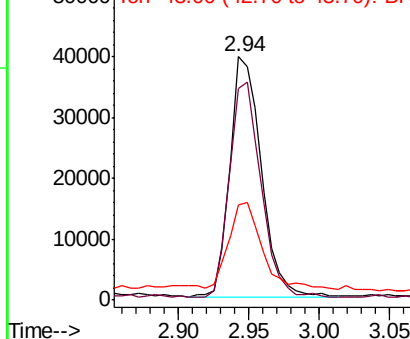
Lab File: BF108037.D

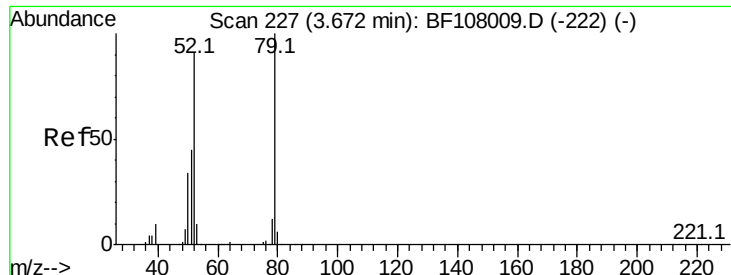
Acq: 8 Aug 2018 23:22

Tgt Ion:	88	Resp:	61334
Ion Ratio	Lower	Upper	
88	100		
58	90.2	62.6	93.8
43	39.6	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





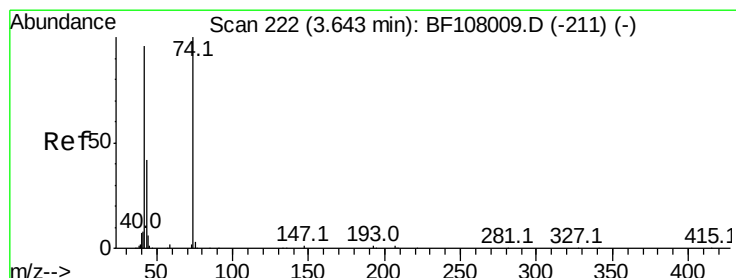
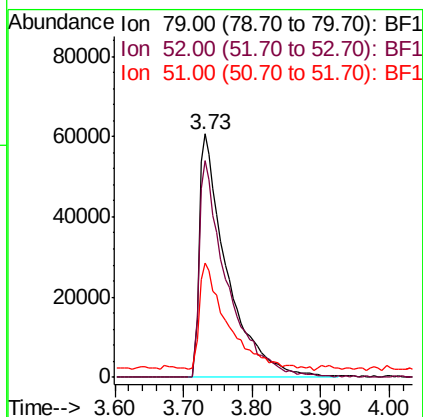
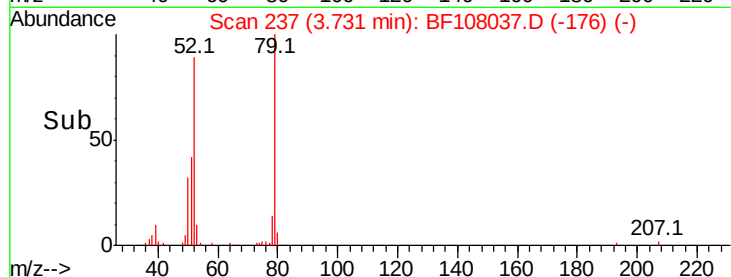
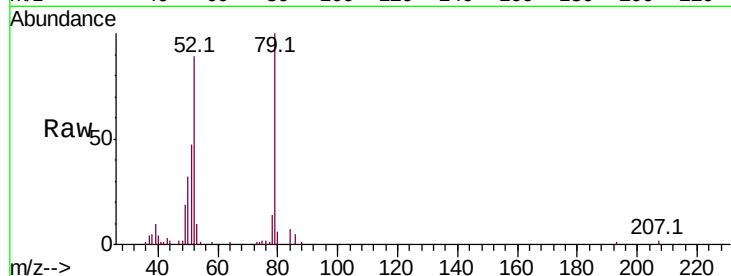
#3
 Pvridine
 Concen: 8.632 ng
 RT: 3.73 min Scan# 237
 Delta R.T. 0.06 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
52	89.2	59.8	89.6	
51	46.8	29.8	44.8	

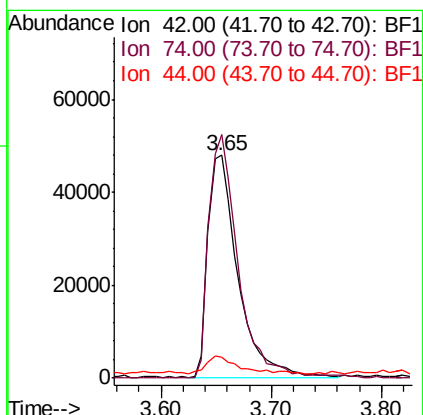
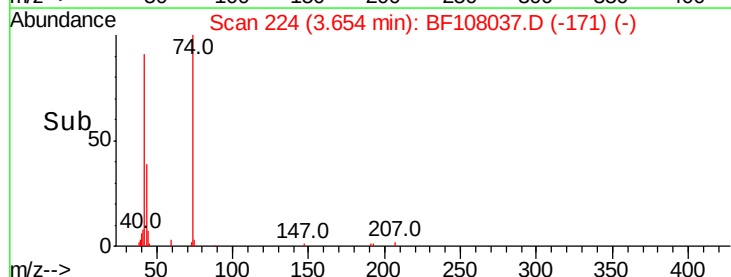
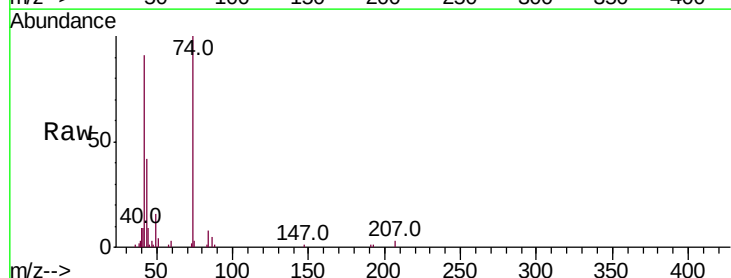
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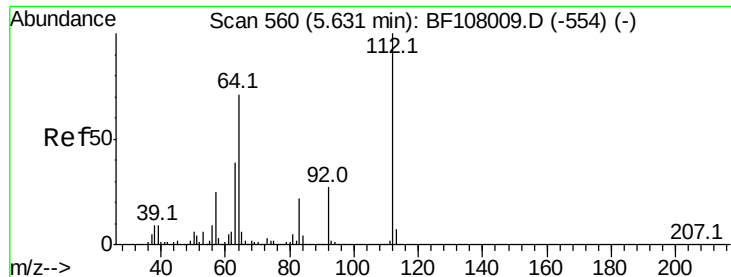
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#4
 n-Nitrosodimethylamine
 Concen: 8.129 ng
 RT: 3.65 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
74	109.4	104.9	157.3	
44	9.3	6.9	10.3	





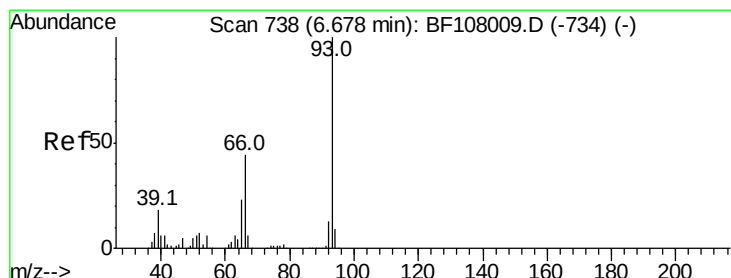
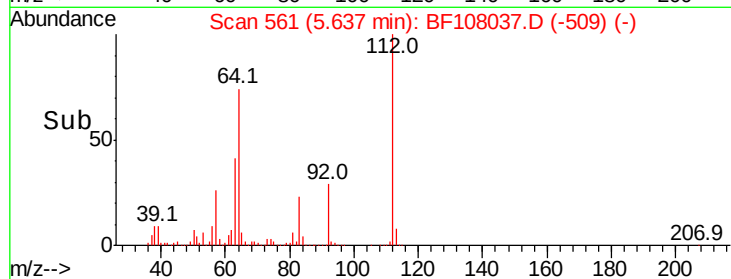
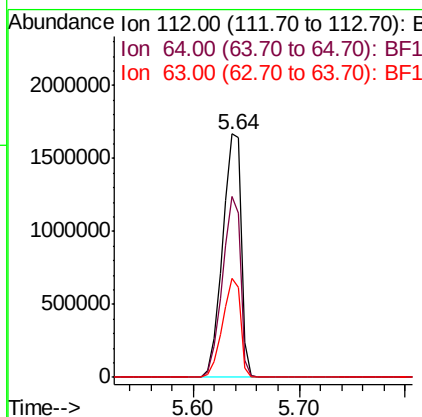
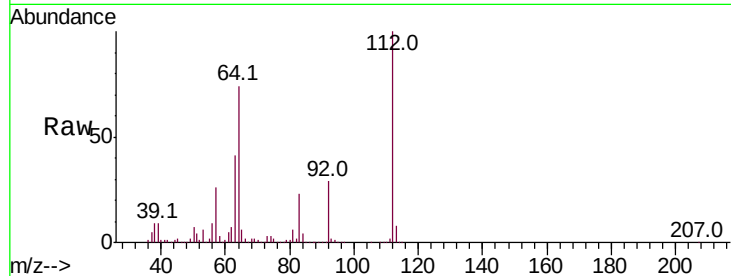
#5
2-Fluorophenol
Concen: 137.614 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Lower	Upper
112	100		
64	74.4	47.9	71.9#
63	40.5	23.7	35.5#

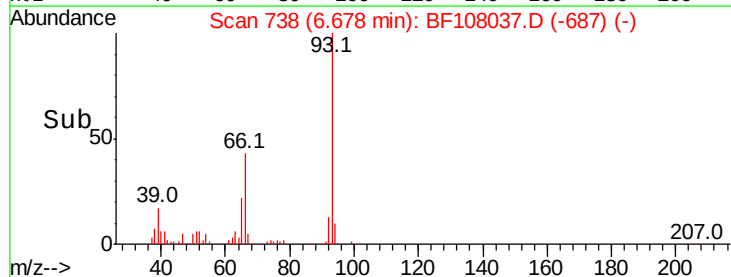
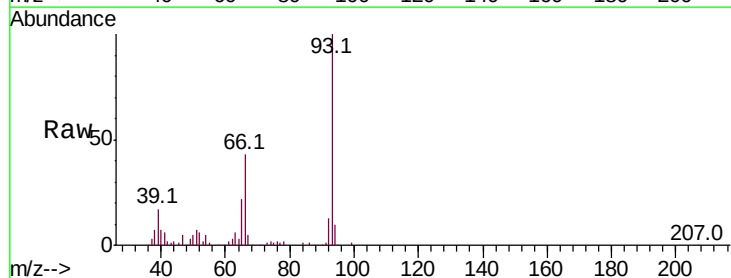
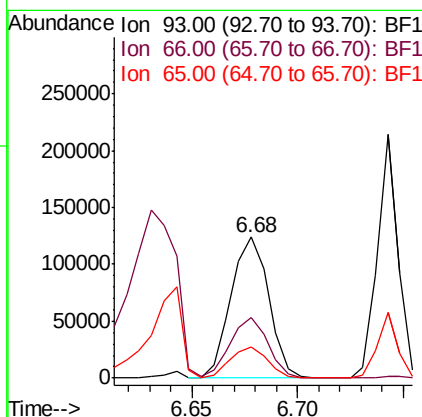
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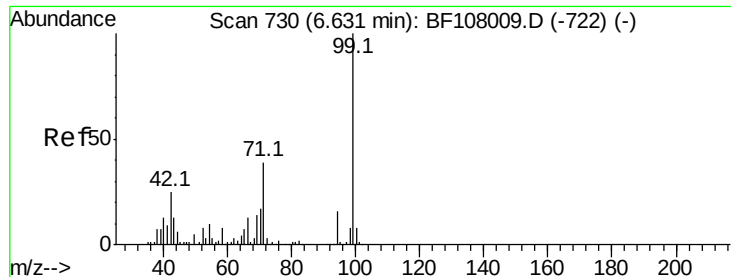
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#6
Aniline
Concen: 5.662 ng
RT: 6.68 min Scan# 738
Delta R.T. 0.00 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
93	100		
66	42.8	32.2	48.2
65	22.0	16.4	24.6





#7

Phenol-d6

Concen: 138.803 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 99 Resp: 2762202

Ion Ratio Lower Upper

99 100

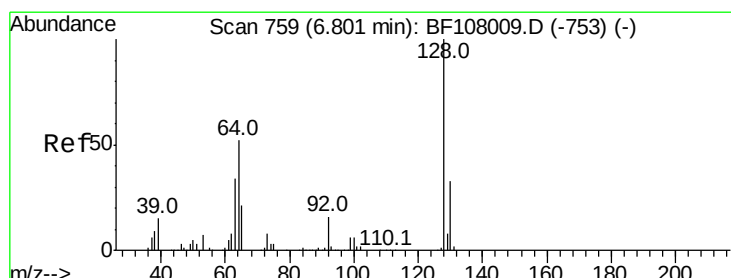
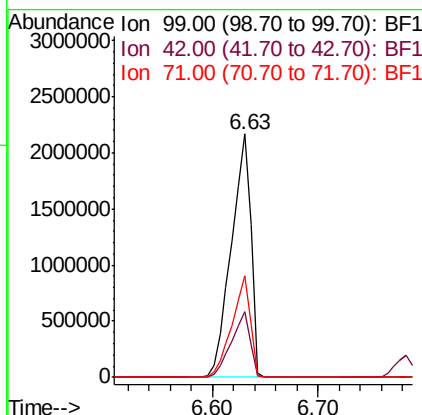
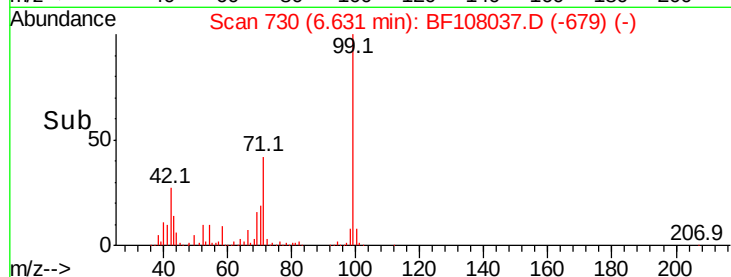
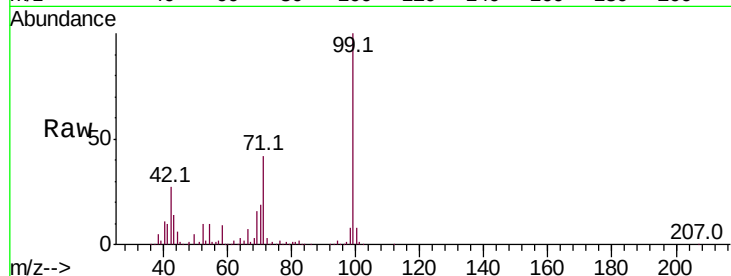
42 27.2 14.5 21.7#

71 41.7 25.4 38.0#

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#8

2-Chlorophenol

Concen: 8.544 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

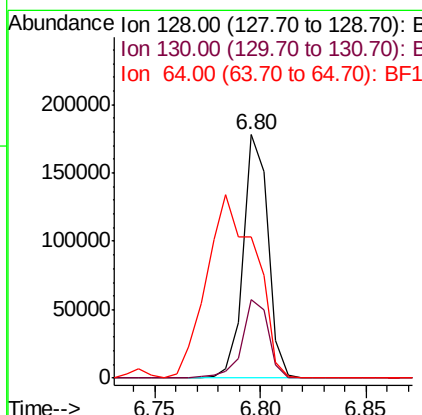
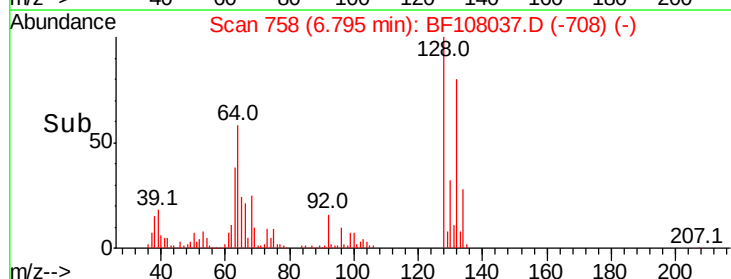
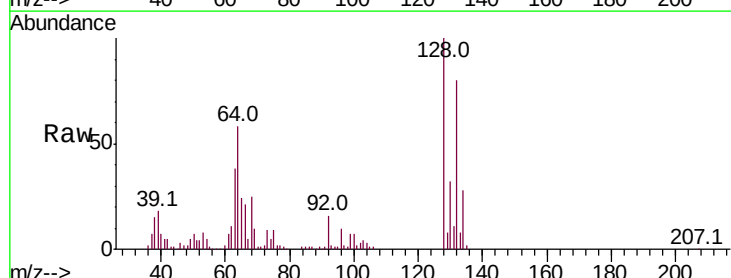
Tgt Ion: 128 Resp: 144102

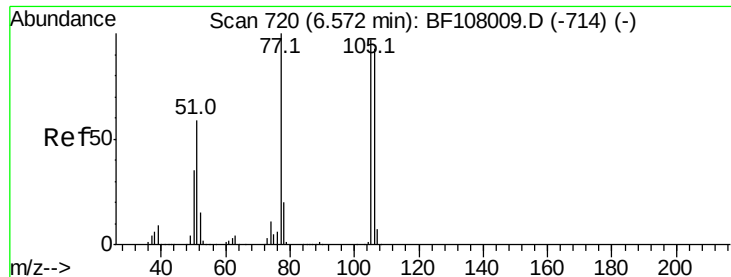
Ion Ratio Lower Upper

128 100

130 32.1 13.0 53.0

64 58.1 29.4 69.4





#9

Benzaldehyde

Concen: 7.790 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

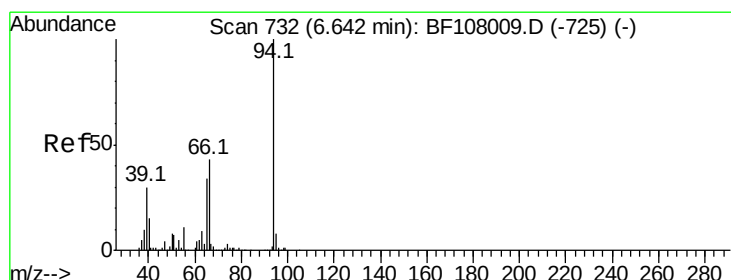
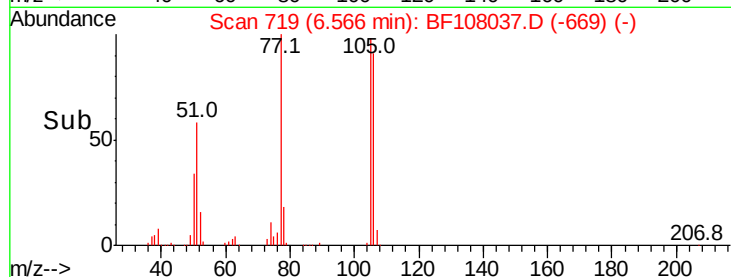
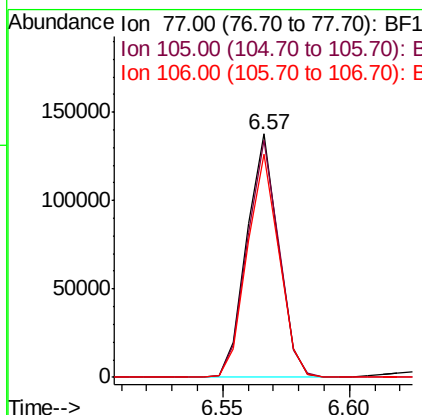
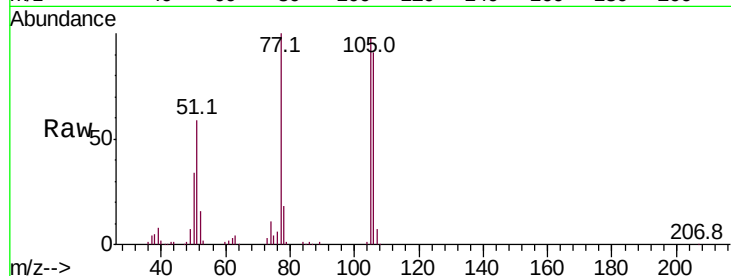
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	77	Resp:	120198
Ion Ratio	Lower	Upper	
77	100		
105	97.5	81.1	121.1
106	91.5	74.5	114.5

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#10

Phenol

Concen: 8.440 ng

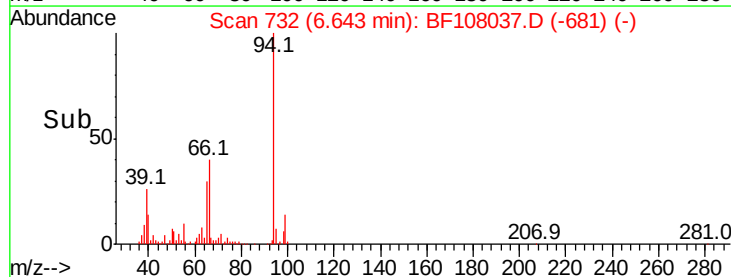
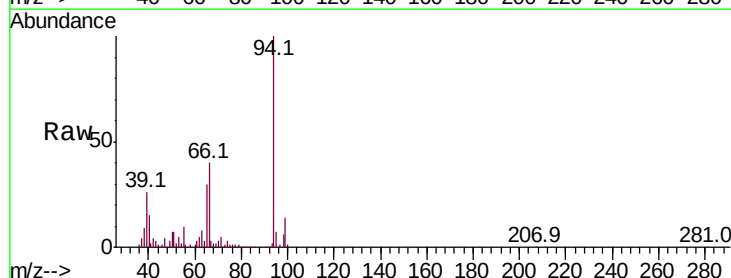
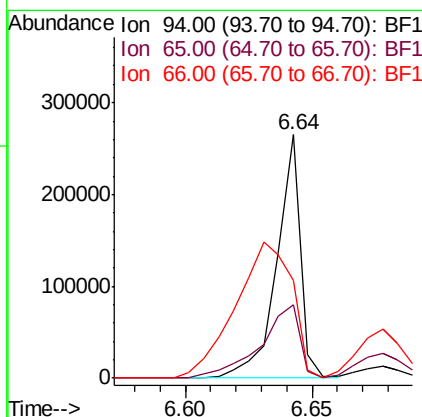
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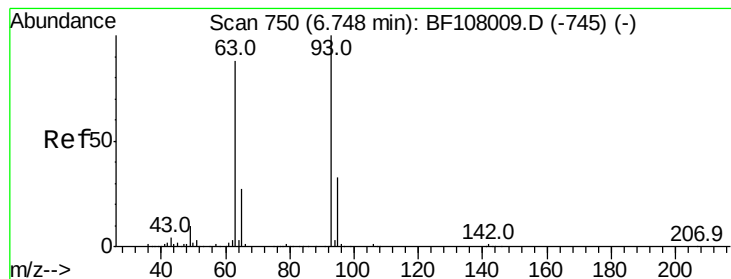
Delta R.T. 0.00 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion:	94	Resp:	173723
Ion Ratio	Lower	Upper	
94	100		
65	30.2	7.9	47.9
66	40.3	16.2	56.2





#11

bis(2-Chloroethyl)ether

Concen: 8.747 ng

RT: 6.74 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

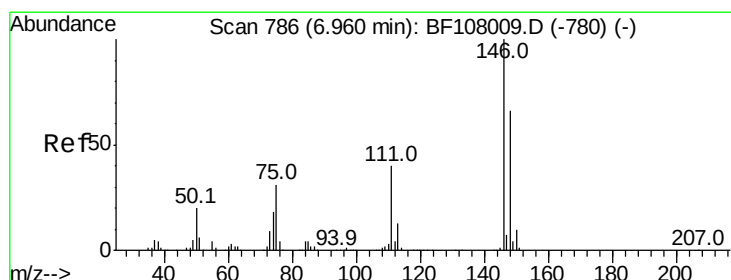
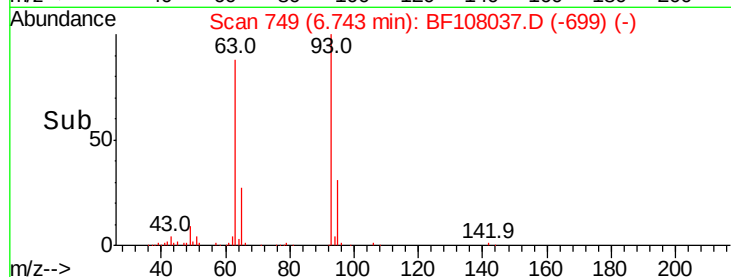
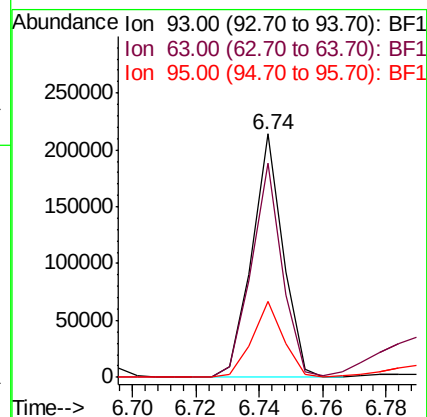
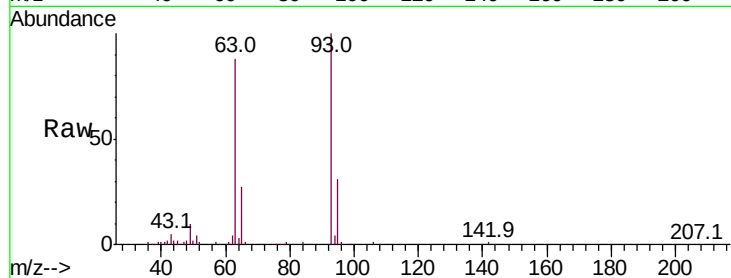
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	93	Resp	145563
Ion Ratio	100	Lower	Upper
93	100	58.6	98.6
63	87.8	11.8	51.8
95	31.1		

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 8.843 ng

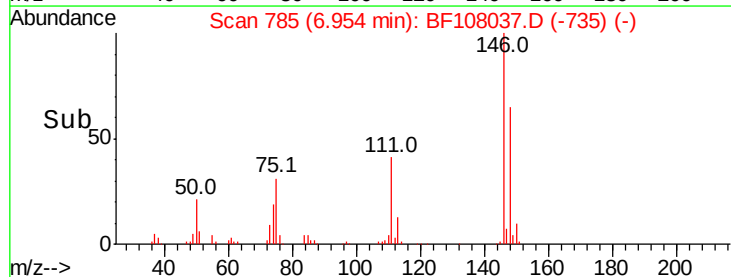
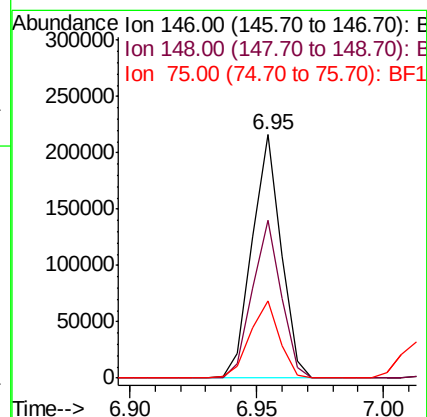
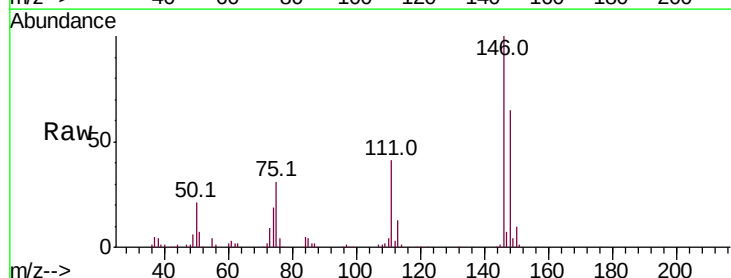
RT: 6.95 min Scan# 785

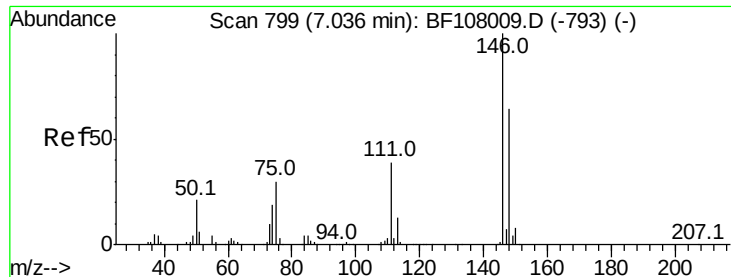
Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion	146	Resp	172460
Ion Ratio	100	Lower	Upper
146	100	51.8	77.8
148	64.6	24.2	36.4
75	31.5		





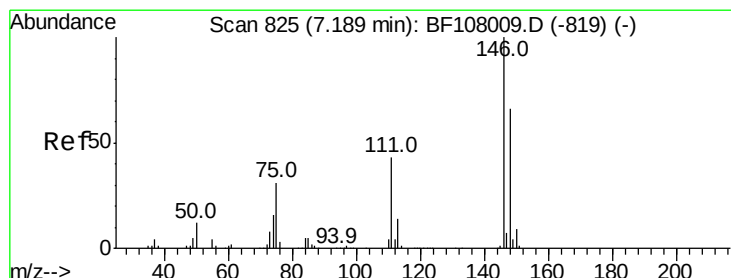
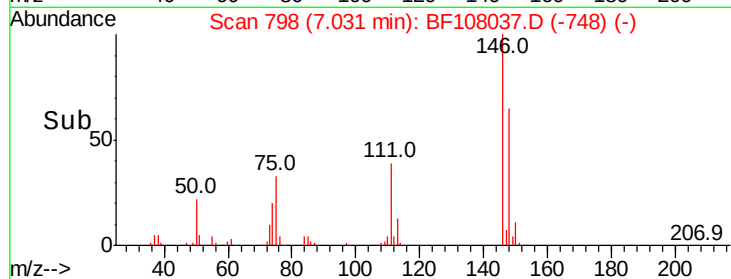
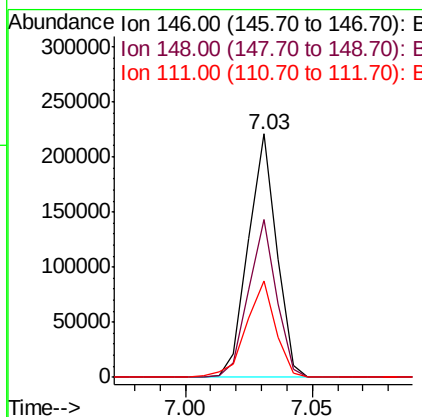
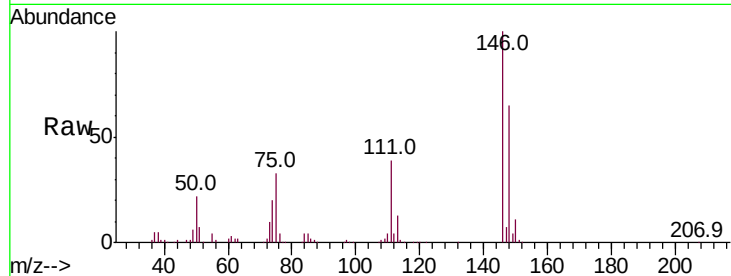
#13
1,4-Dichlorobenzene
Concen: 8.773 ng
RT: 7.03 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	171901		
148	64.8	50.8	76.2	
111	39.4	34.2	51.2	

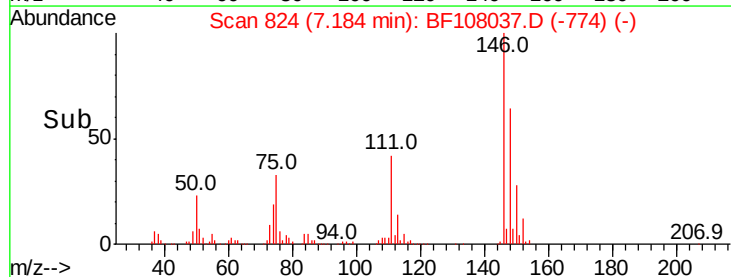
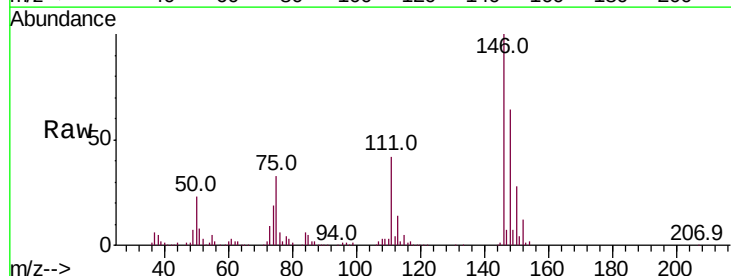
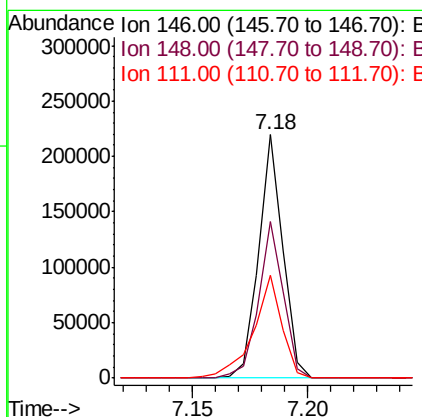
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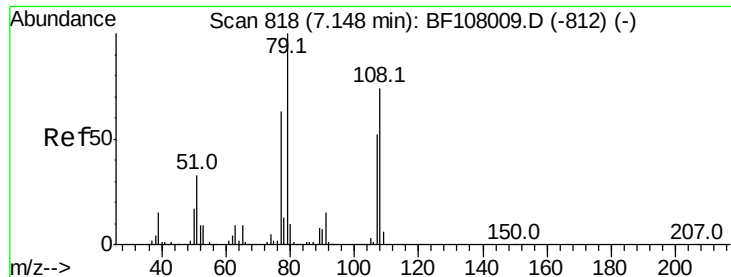
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#14
1,2-Dichlorobenzene
Concen: 8.826 ng
RT: 7.18 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	160863		
148	64.2	50.6	75.8	
111	42.0	36.0	54.0	





#15

Benzyl Alcohol

Concen: 7.077 ng

RT: 7.14 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

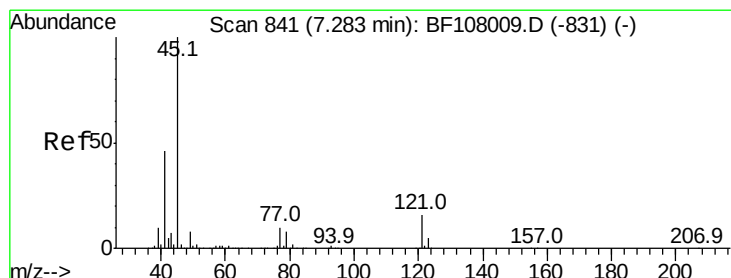
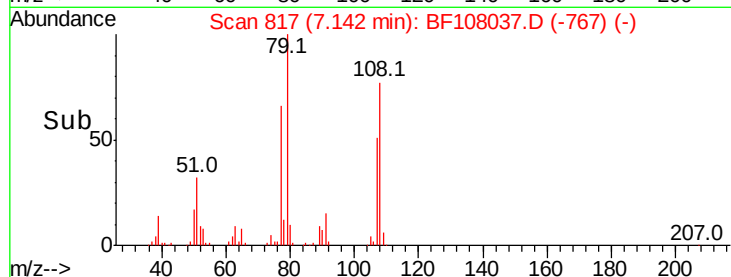
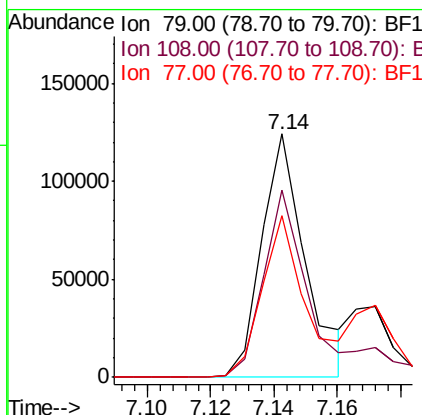
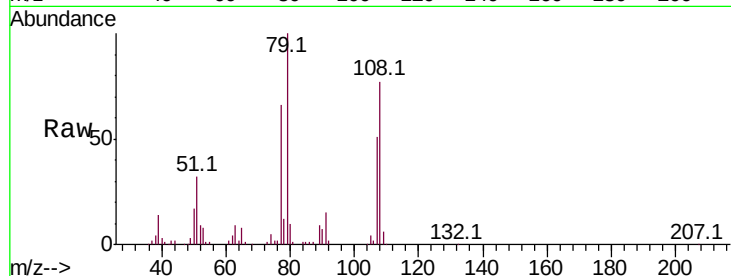
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	79	Resp:	118564
Ion Ratio	Lower	Upper	
79	100		
108	77.1	65.1	97.7
77	66.2	50.6	75.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 8.574 ng

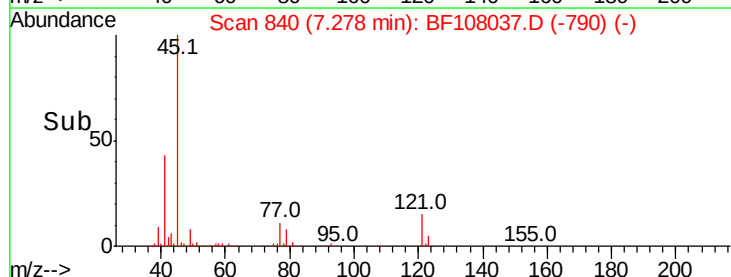
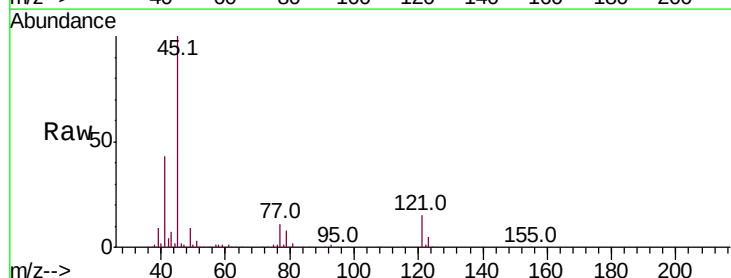
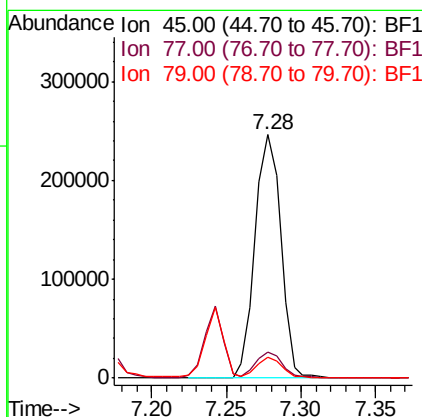
RT: 7.28 min Scan# 840

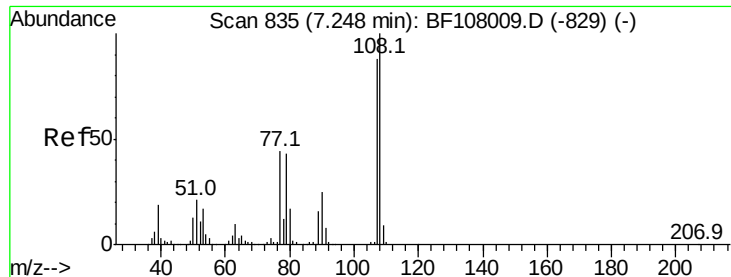
Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion:	45	Resp:	293940
Ion Ratio	Lower	Upper	
45	100		
77	10.9	0.0	32.9
79	8.4	0.0	29.6





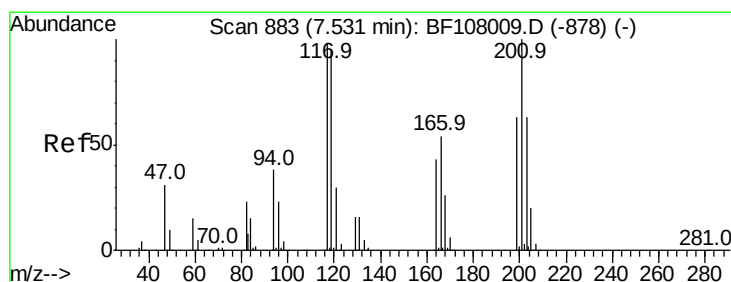
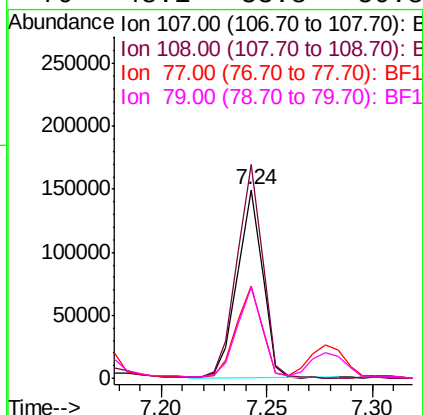
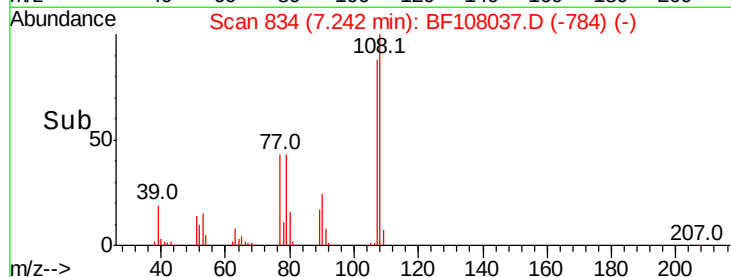
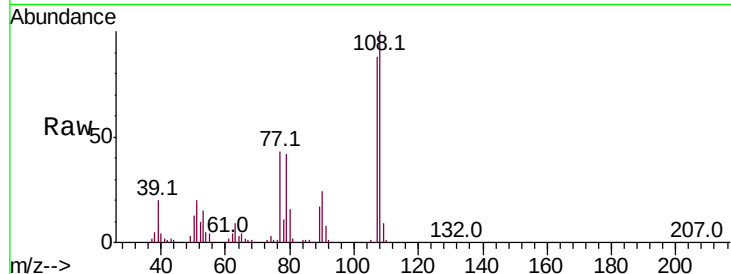
#17
2-Methylphenol
Concen: 8.529 ng
RT: 7.24 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.4	91.7	137.5	
77	48.8	33.8	50.8	
79	48.1	33.8	50.8	

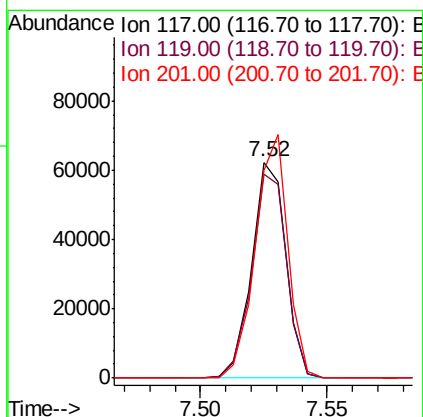
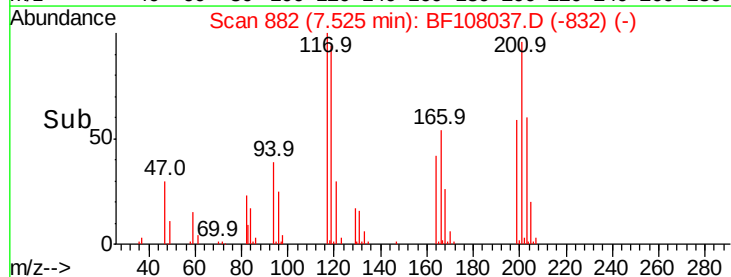
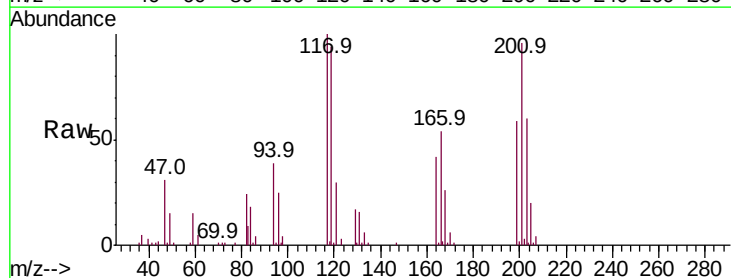
Manual Integrations
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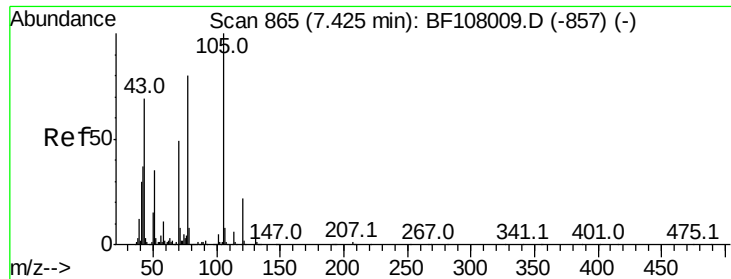
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#18
Hexachloroethane
Concen: 8.398 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.4	75.8	113.8	
201	96.2	75.7	113.5	





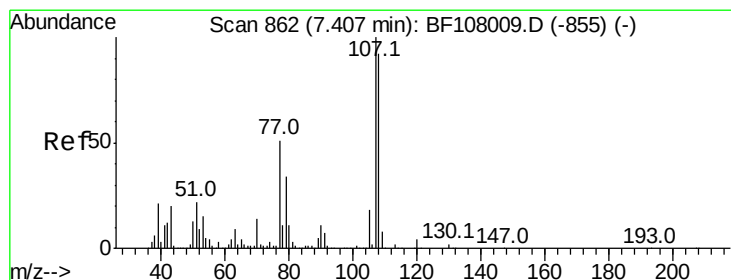
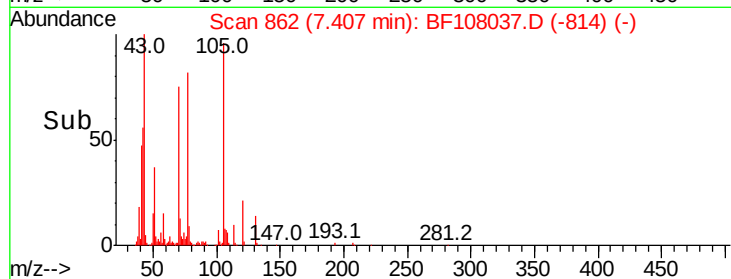
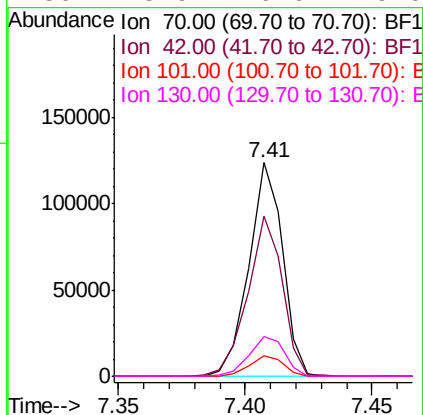
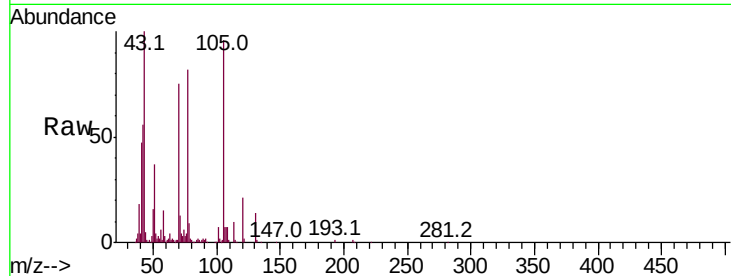
#19
n-Nitroso-di-n-propylamine
Concen: 8.517 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	74.9	47.5	71.3#
101	9.5	7.4	11.2
130	18.9	16.6	25.0

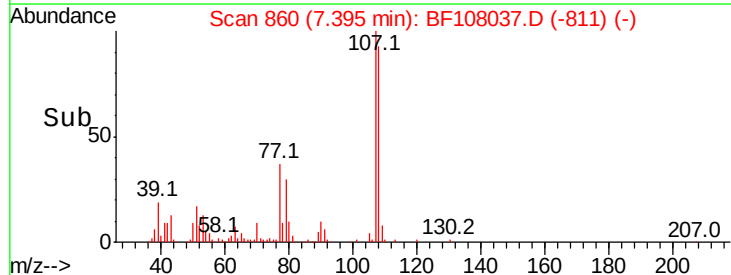
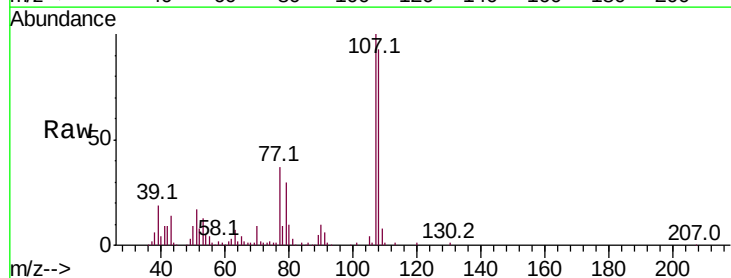
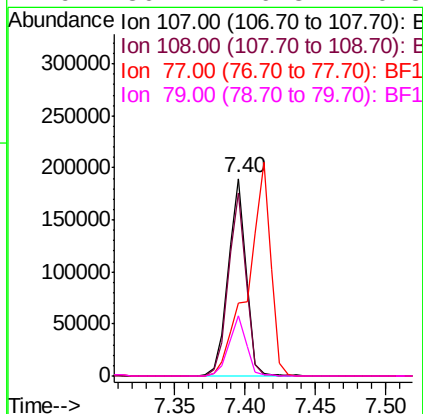
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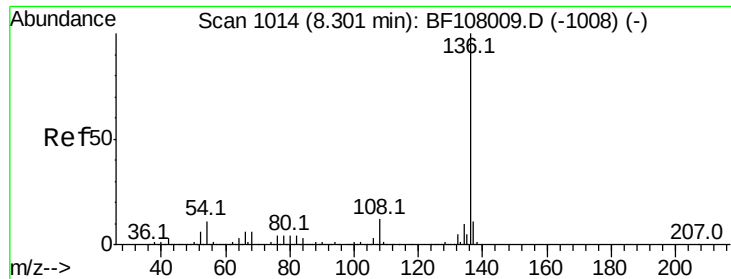
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#20
3+4-Methylphenols
Concen: 8.986 ng
RT: 7.40 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.7	68.2	108.2
77	36.8	26.7	66.7
79	30.2	6.3	46.3





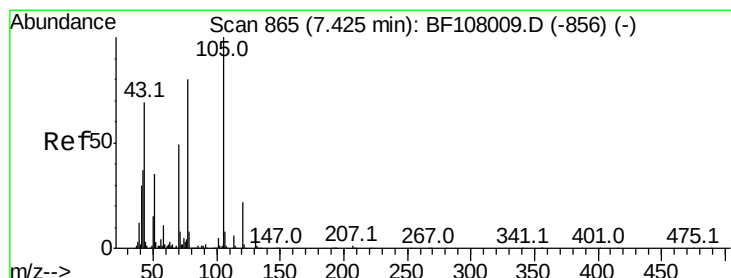
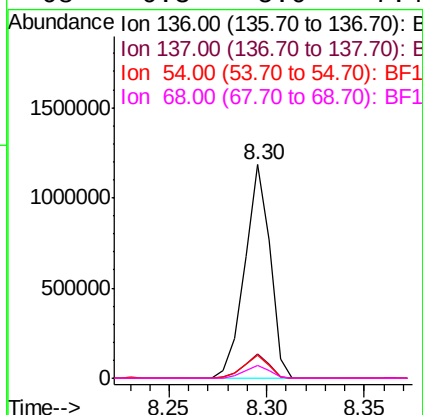
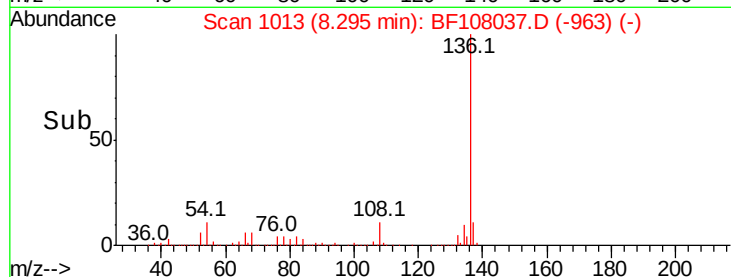
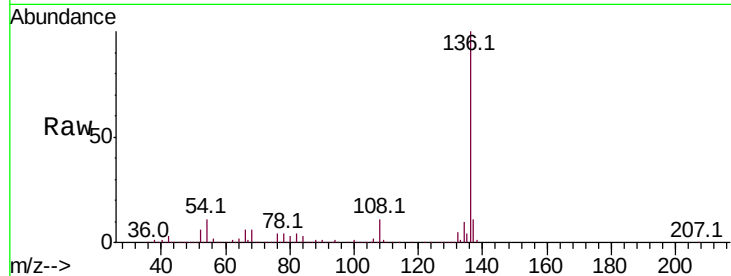
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	1061813		
137	11.4		8.9	13.3
54	10.9		6.6	9.8#
68	6.3		5.0	7.4

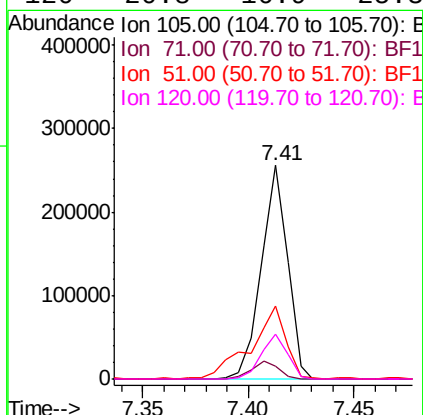
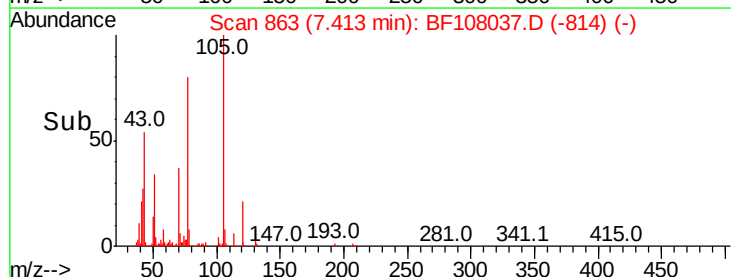
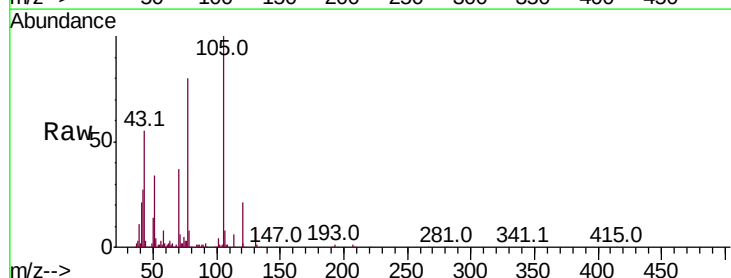
Manual Integrations
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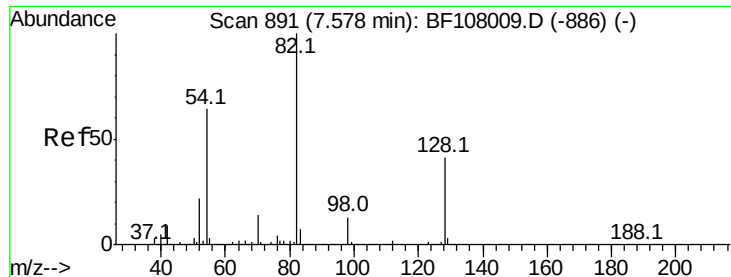
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#22
Acetophenone
Concen: 8.957 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222384		
71	6.0		4.4	6.6
51	34.0		22.3	33.5#
120	20.8		16.9	25.3





#23

Nitrobenzene-d5

Concen: 78.875 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion: 82 Resp: 1500867

Ion Ratio Lower Upper

82 100

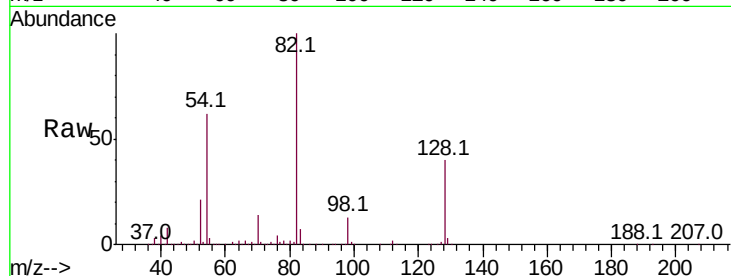
128 40.5 36.1 54.1

54 62.4 41.4 62.2#

Manual Integrations
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Sohil

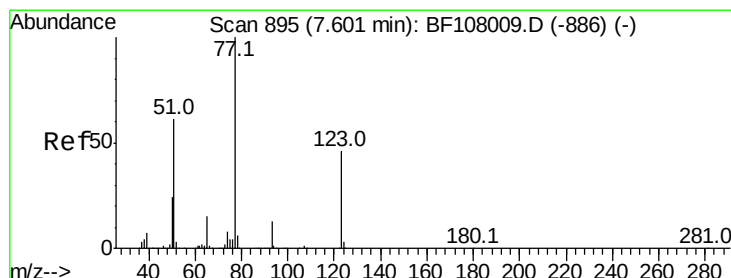
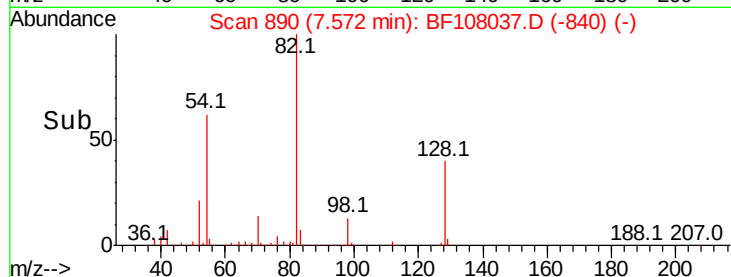
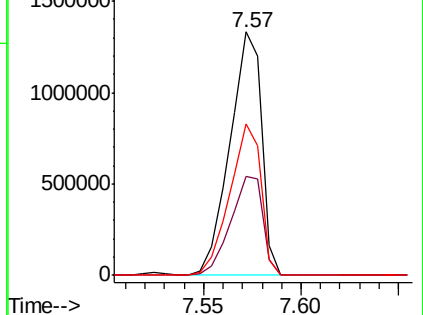
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 9.057 ng

RT: 7.59 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

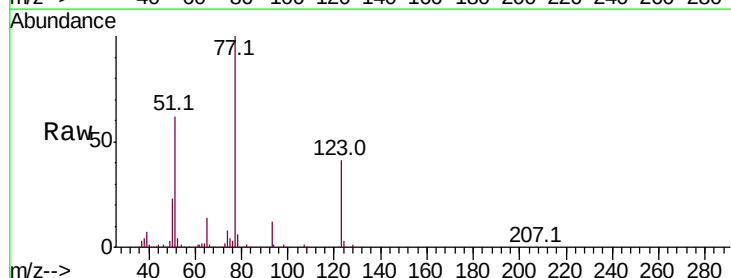
Tgt Ion: 77 Resp: 174265

Ion Ratio Lower Upper

77 100

123 41.4 37.9 56.9

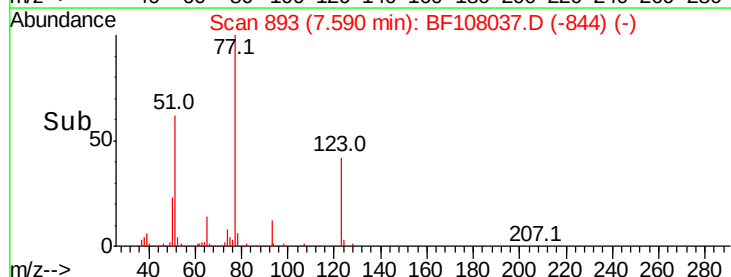
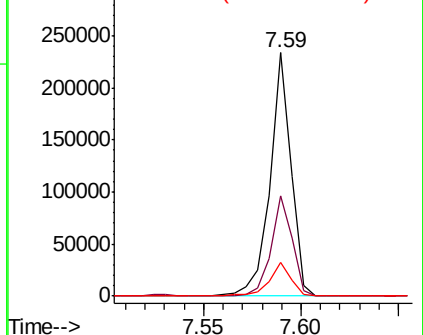
65 14.0 11.0 16.4

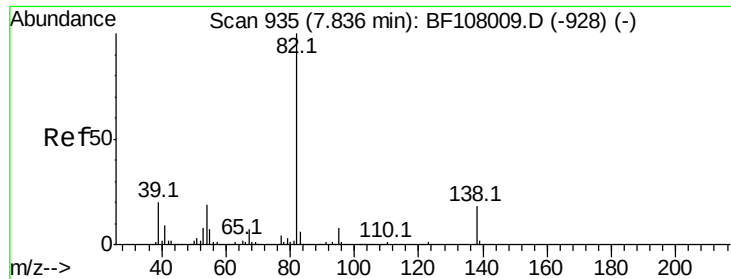


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 8.365 ng

RT: 7.82 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

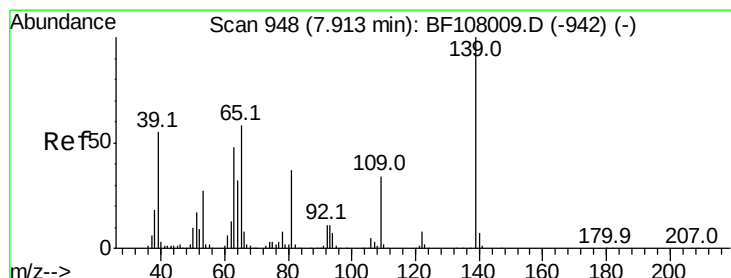
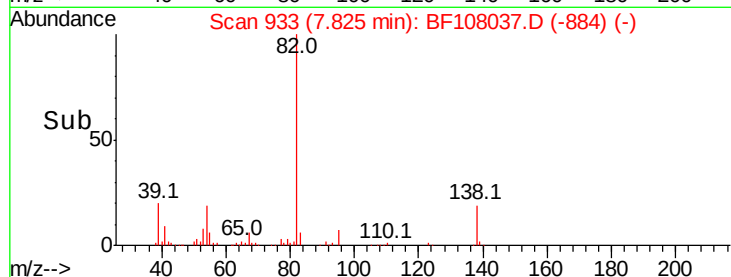
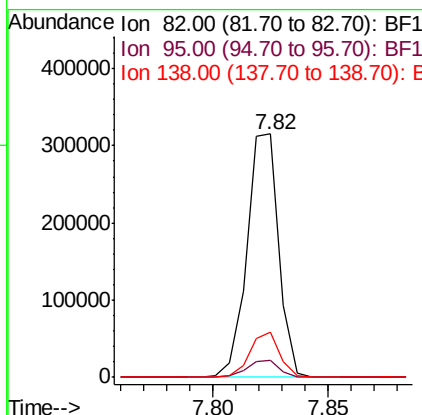
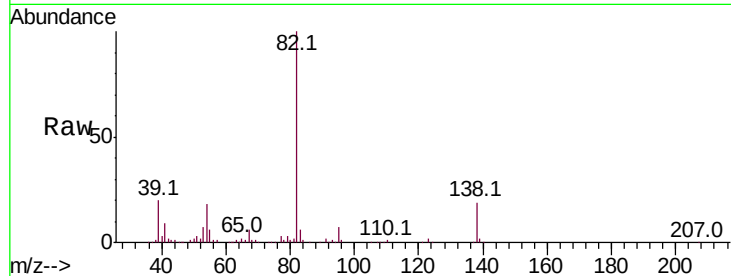
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	82	Resp:	303389
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.2	7.8
138	18.6	14.9	22.3

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#26

2-Nitrophenol

Concen: 7.364 ng

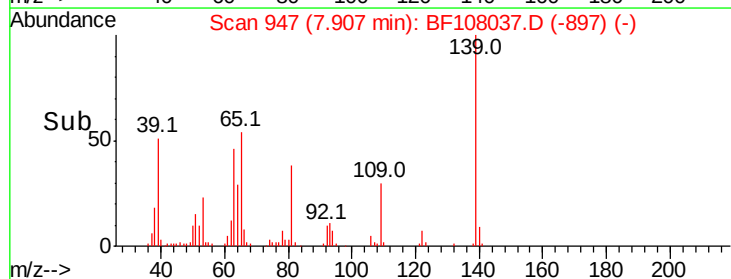
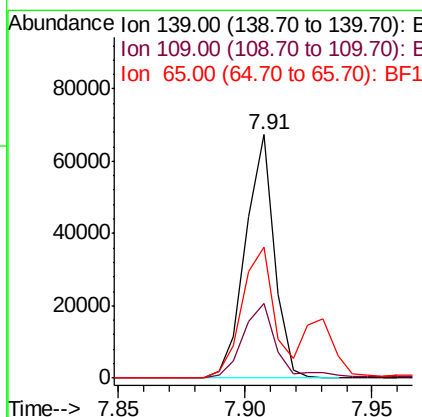
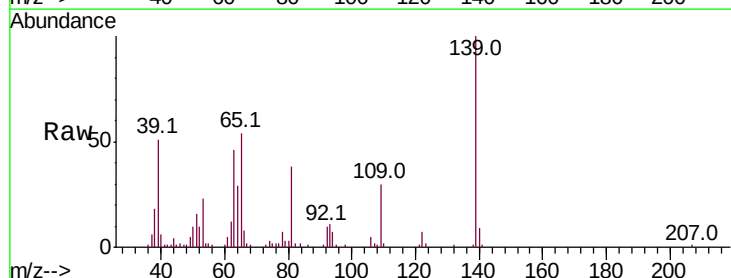
RT: 7.91 min Scan# 947

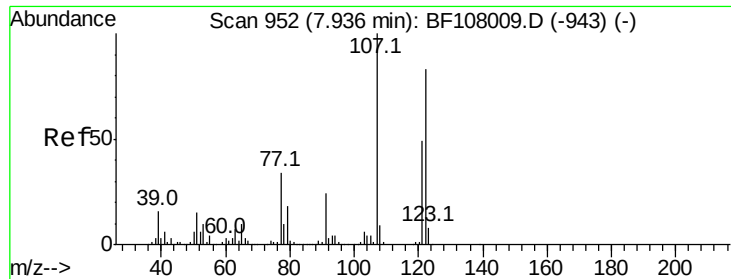
Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion:	139	Resp:	53511
Ion Ratio	Lower	Upper	
139	100		
109	30.5	22.7	34.1
65	53.9	40.5	60.7





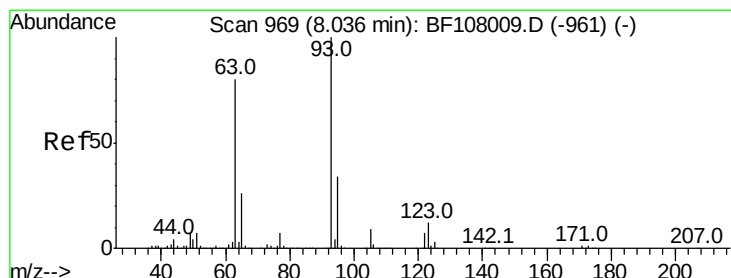
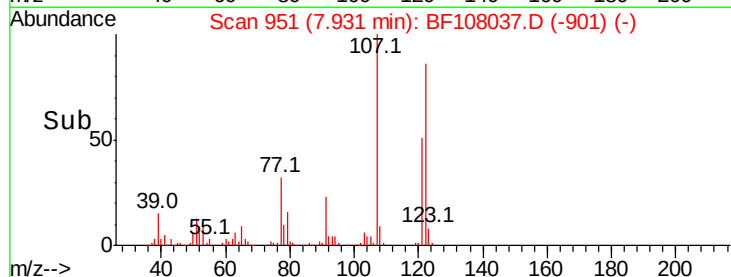
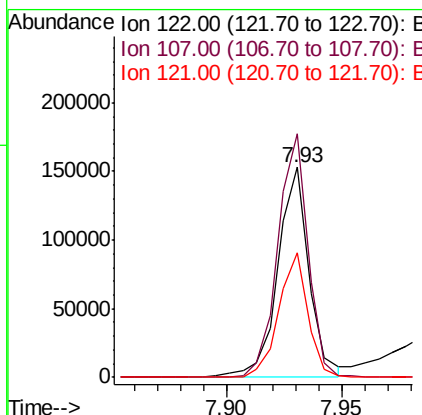
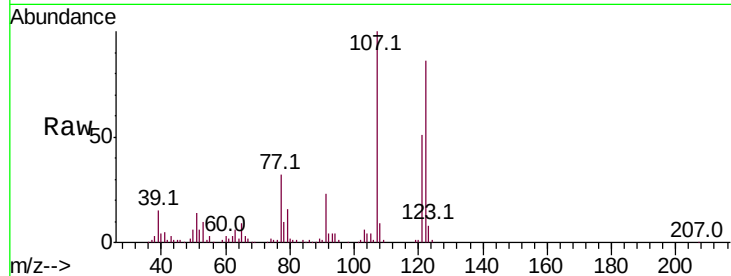
#27
 2,4-Dimethylphenol
 Concen: 8.871 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
122	100	142805		
107	116.0	91.2	136.8	
121	59.3	47.2	70.8	

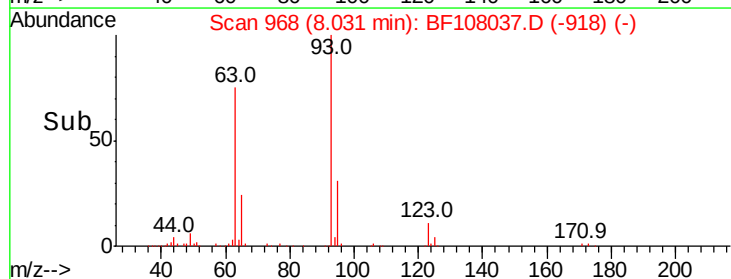
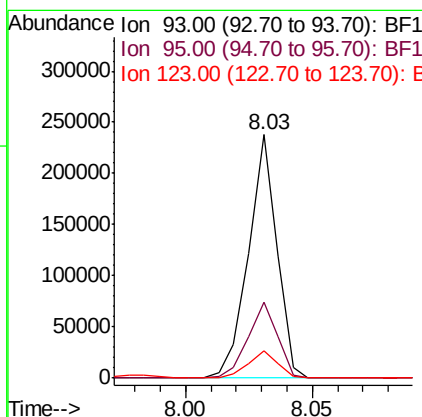
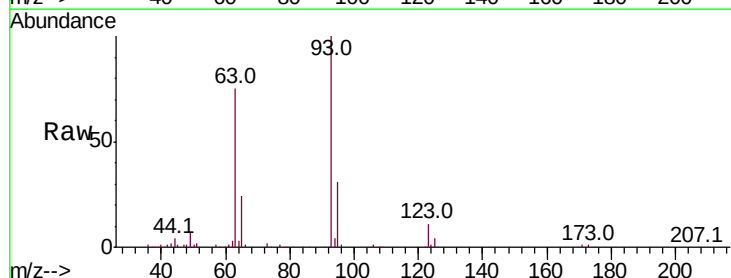
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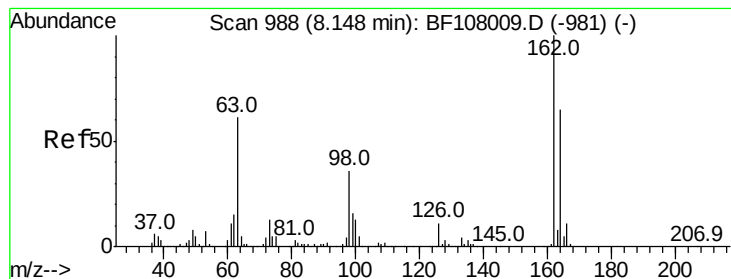
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#28
 bis(2-Chloroethoxy)methane
 Concen: 8.779 ng
 RT: 8.03 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	185881		
95	31.4	26.3	39.5	
123	11.2	9.8	14.6	





#29

2,4-Dichlorophenol

Concen: 8.644 ng

RT: 8.14 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

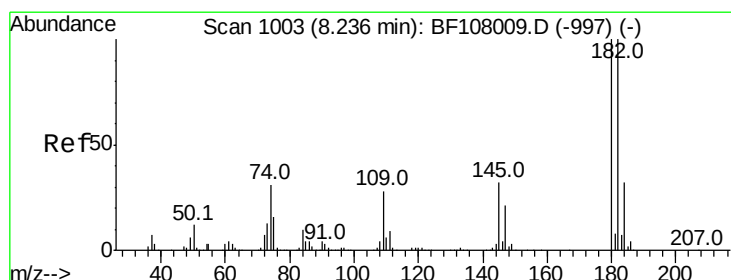
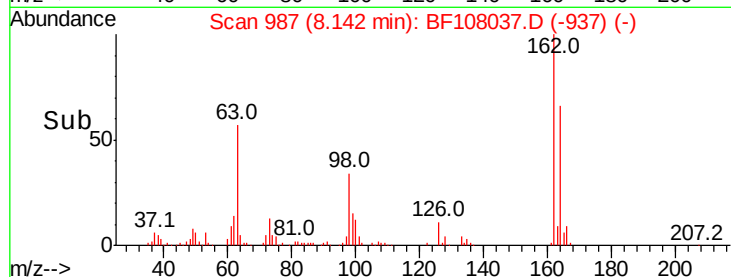
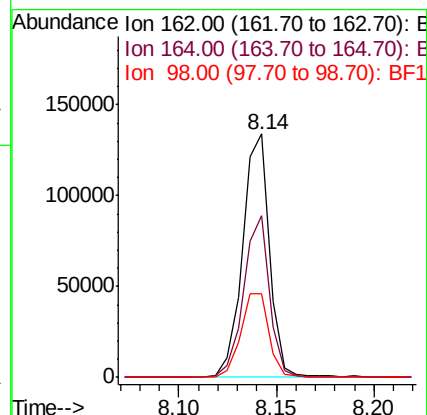
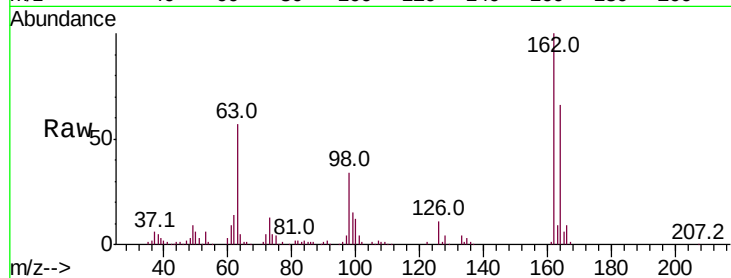
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	162	Resp:	128050
Ion Ratio	Lower	Upper	
162	100		
164	66.5	42.7	82.7
98	34.3	18.1	58.1

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#30

1,2,4-Trichlorobenzene

Concen: 8.830 ng

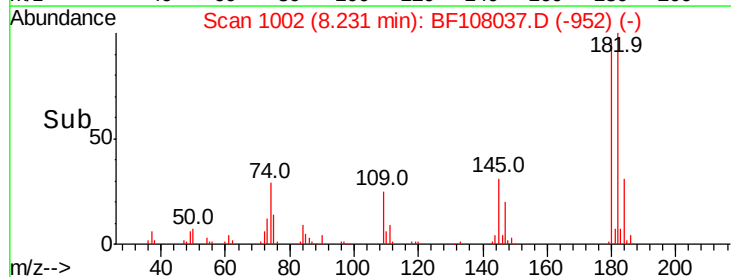
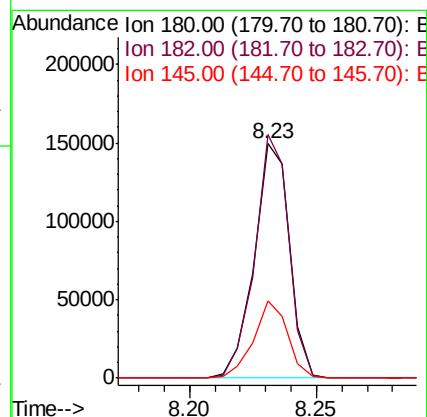
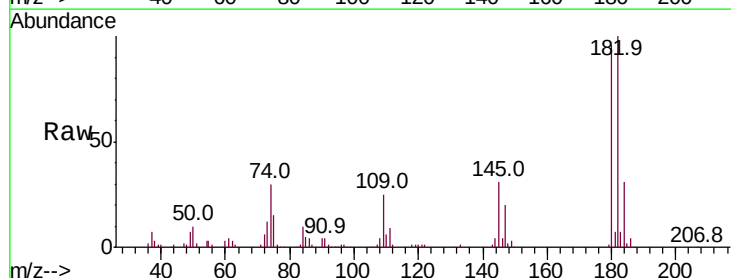
RT: 8.23 min Scan# 1002

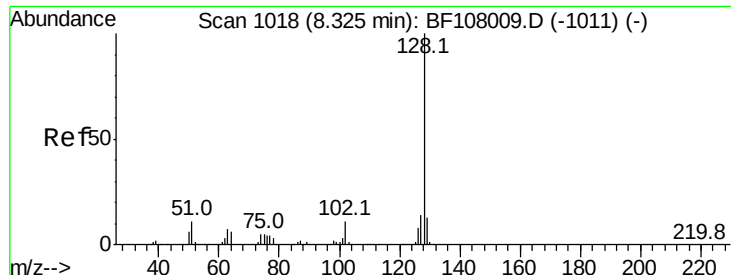
Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion:	180	Resp:	144215
Ion Ratio	Lower	Upper	
180	100		
182	104.0	76.8	115.2
145	32.7	26.5	39.7





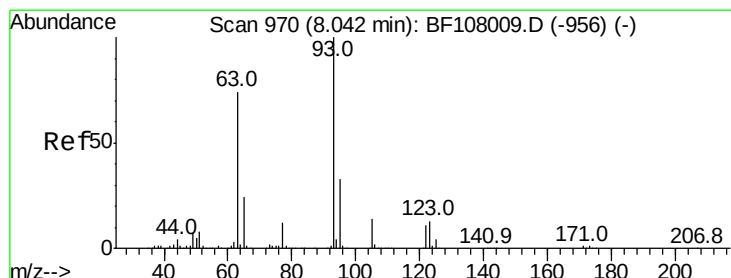
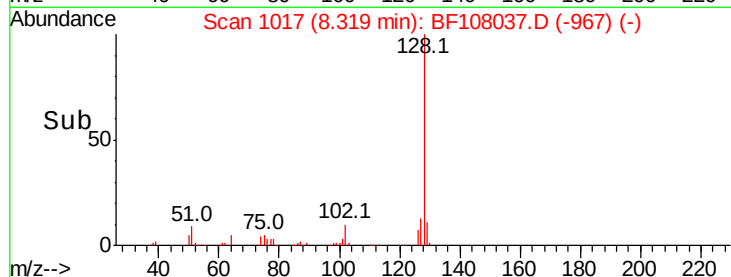
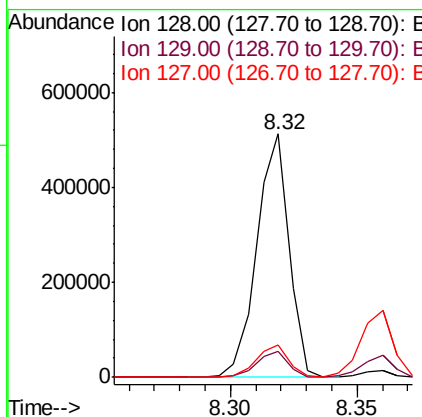
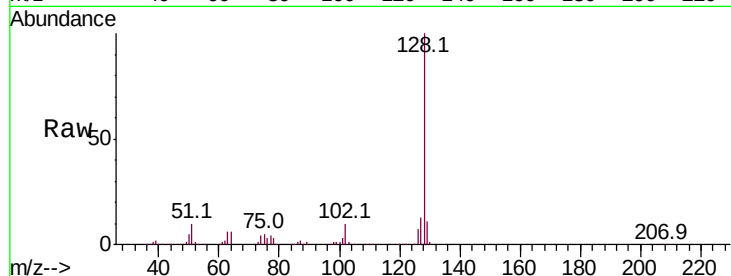
#31
Naphthalene
Concen: 9.419 ng
RT: 8.32 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.6	8.8	13.2	
127	13.3	10.9	16.3	

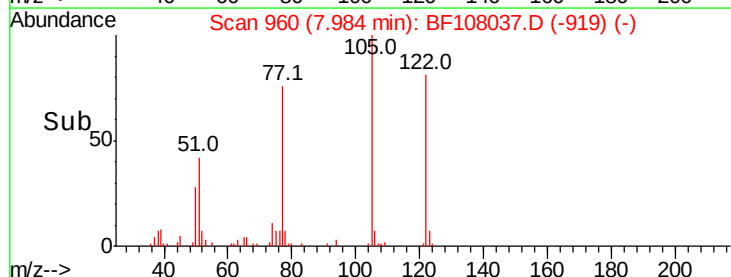
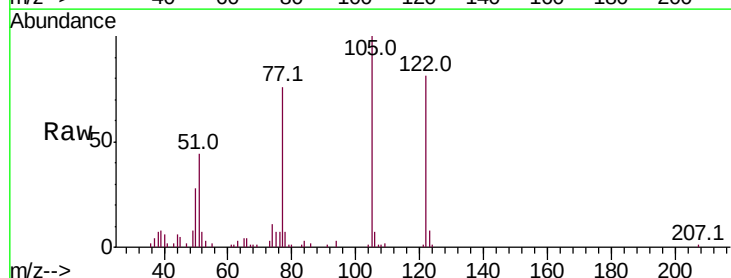
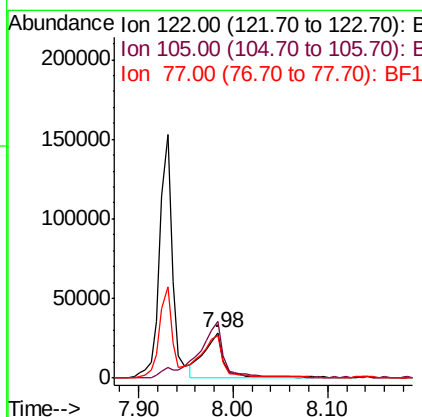
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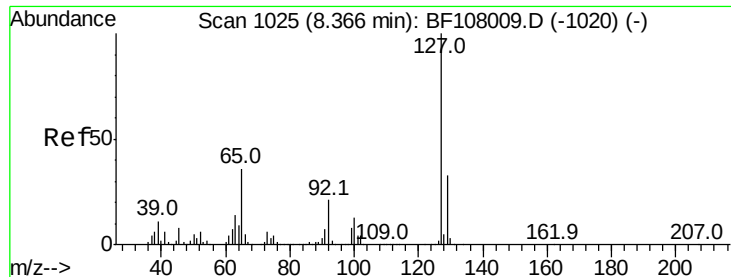
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#32
Benzoic acid
Concen: 10.252 ng m
RT: 7.98 min Scan# 960
Delta R.T. -0.06 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	123.6	101.1	141.1	
77	94.4	70.7	110.7	





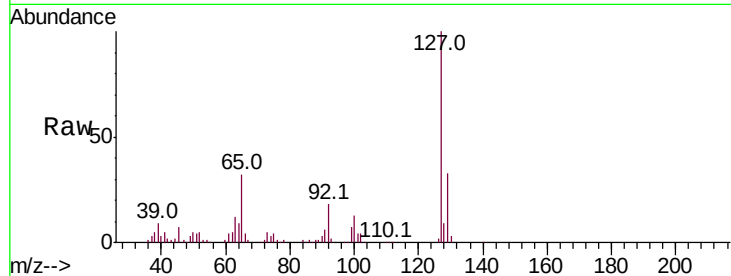
#33
4-Chloroaniline
Concen: 5.936 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.1	25.9	38.9	
65	32.2	25.0	37.4	
92	18.0	15.2	22.8	

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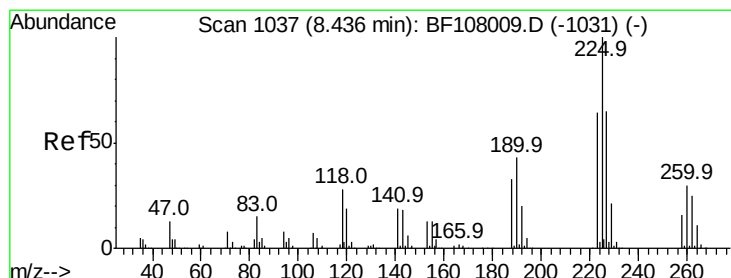
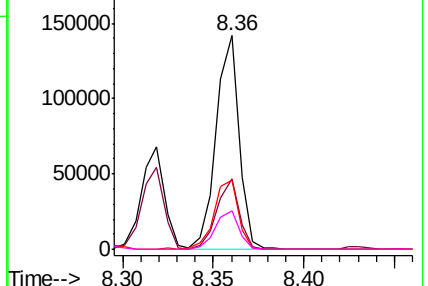
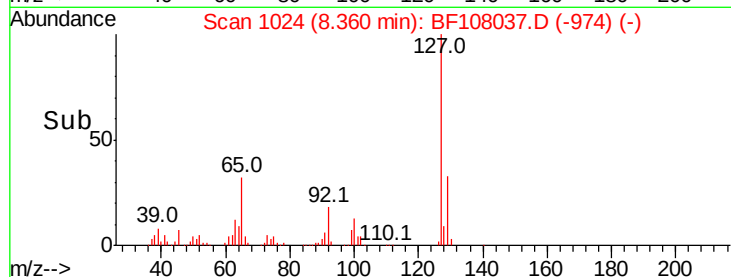
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

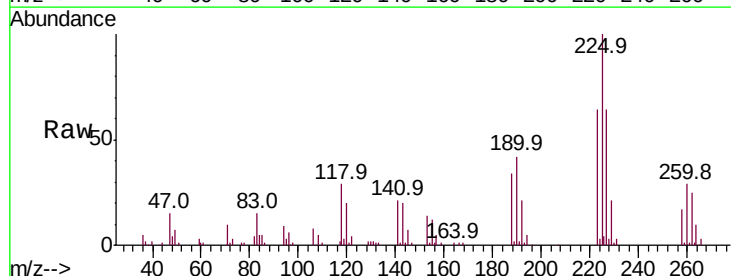
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 8.688 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	50.6	76.0	
227	63.5	51.9	77.9	

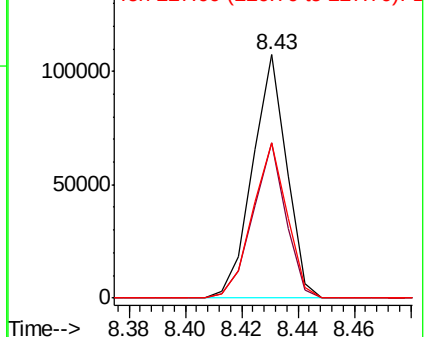
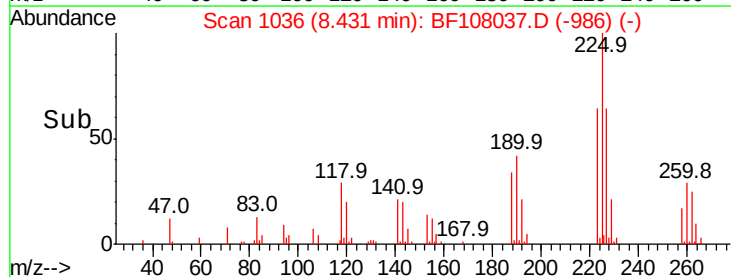


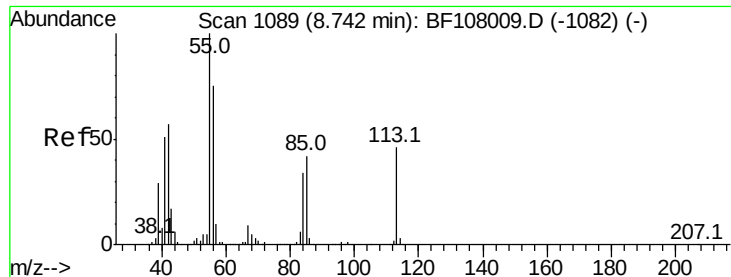
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 8.664 ng

RT: 8.70 min Scan# 1081

Delta R.T. -0.05 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

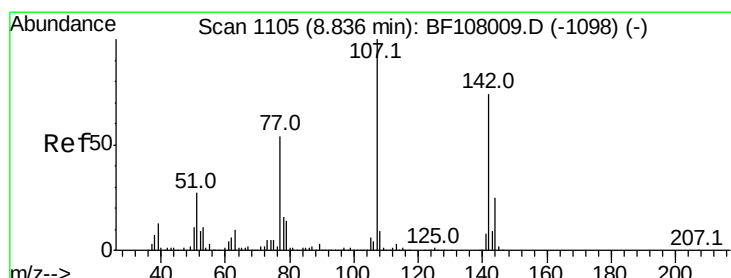
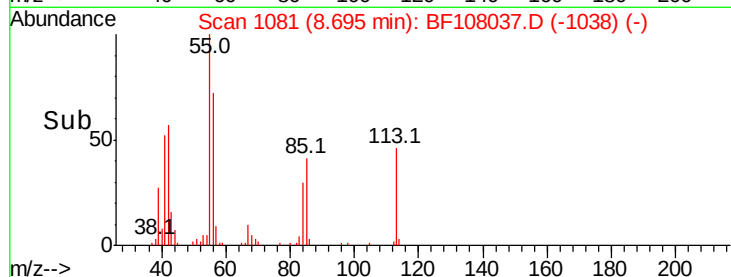
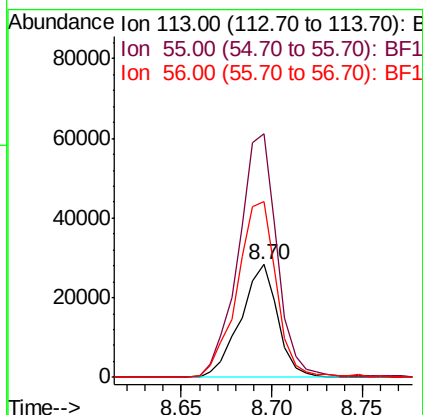
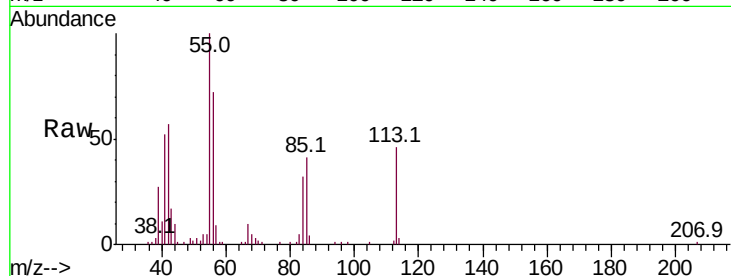
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	113	Resp:	40219
Ion Ratio	Lower	Upper	
113	100		
55	215.9	163.3	203.3#
56	156.5	115.7	155.7#

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#36

4-Chloro-3-methylphenol

Concen: 8.610 ng

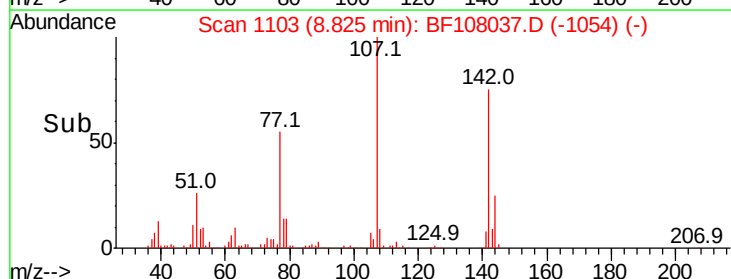
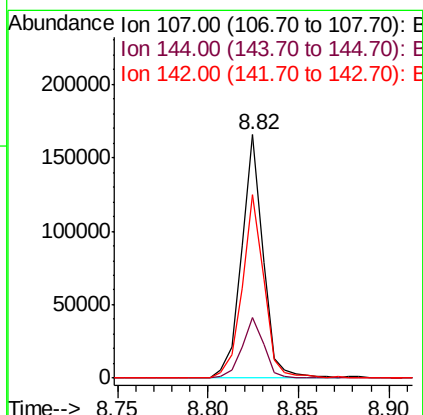
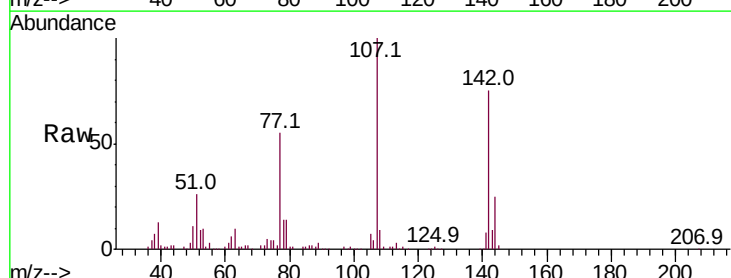
RT: 8.82 min Scan# 1103

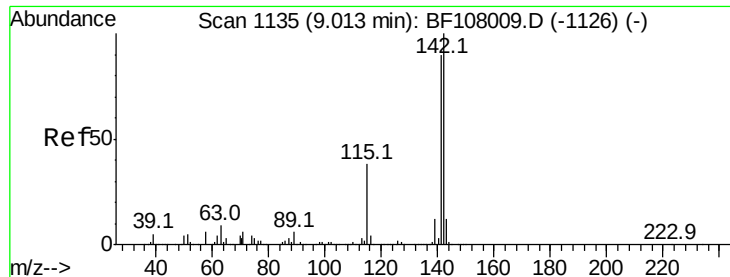
Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion:	107	Resp:	137602
Ion Ratio	Lower	Upper	
107	100		
144	24.7	20.5	30.7
142	75.2	62.0	93.0





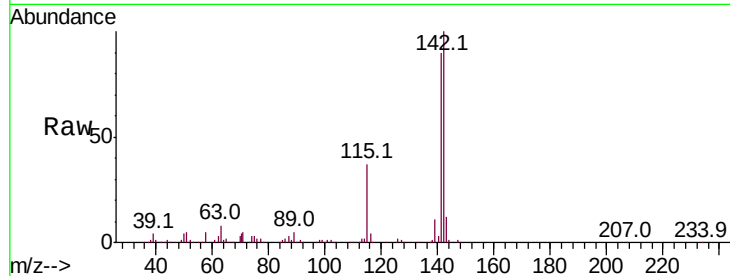
#37
2-Methylnaphthalene
Concen: 9.180 ng
RT: 9.01 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
142	100	313641		
141	89.6	70.8	106.2	
115	37.4	26.1	39.1	

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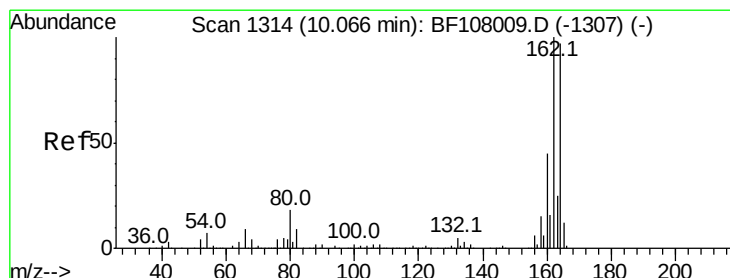
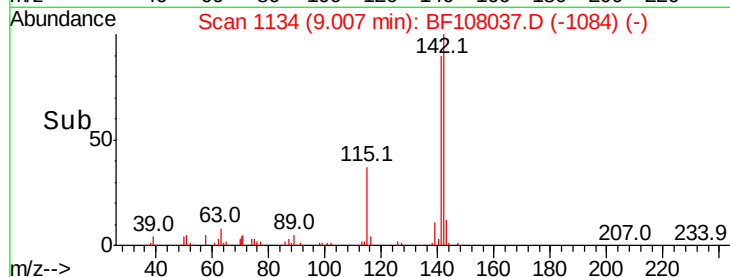
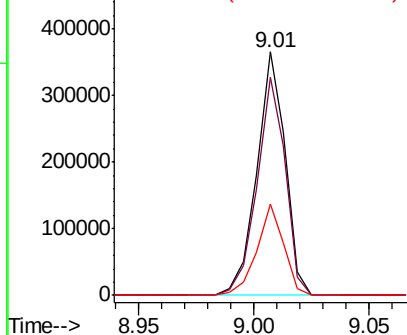


Abundance

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: BF108037.D
Acq: 8 Aug 2018 23:22

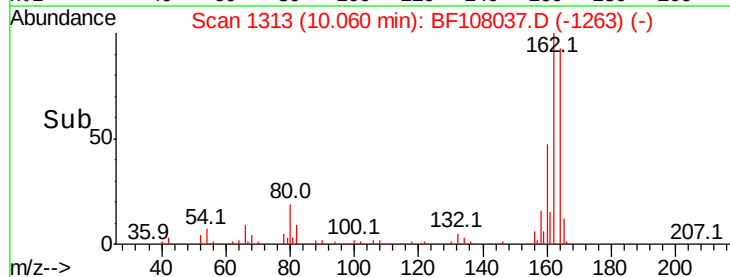
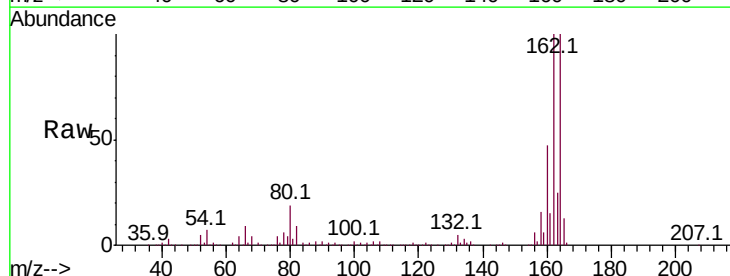
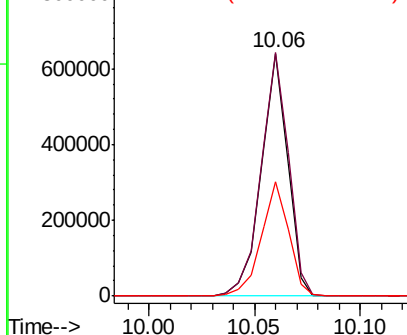
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	563361		
162	100.5	86.1	129.1	
160	47.1	38.3	57.5	

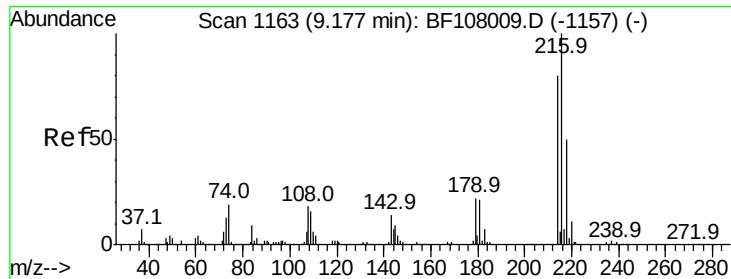
Abundance

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





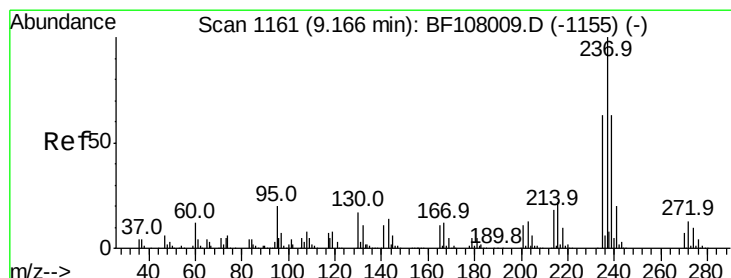
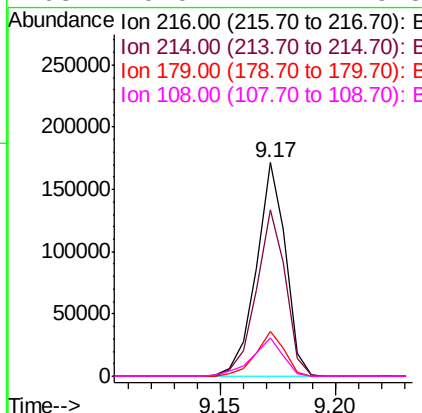
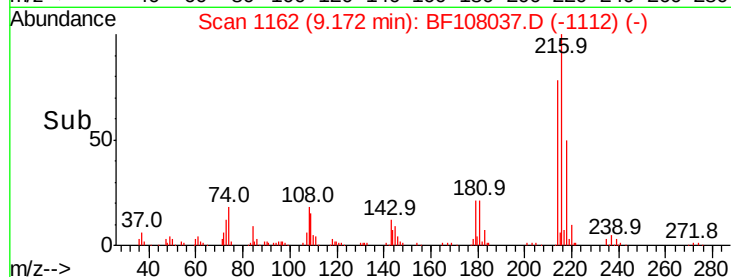
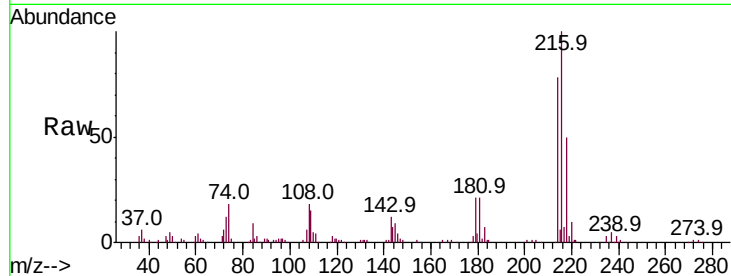
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.773 ng
 RT: 9.17 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	77.9	63.0	94.4
179	20.5	18.1	27.1
108	19.0	17.2	25.8

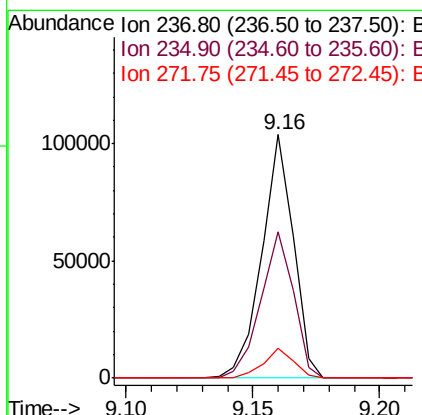
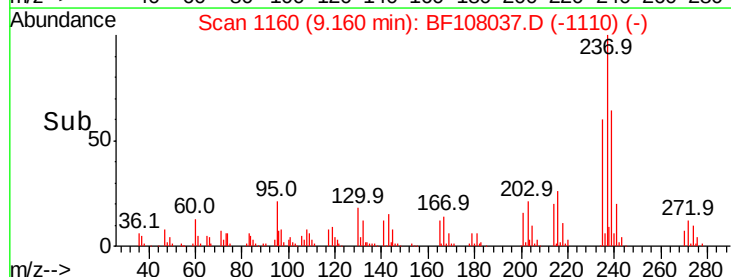
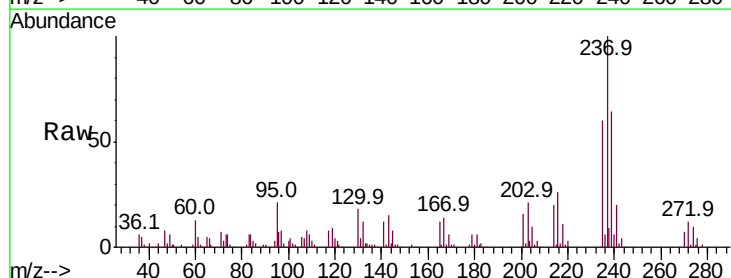
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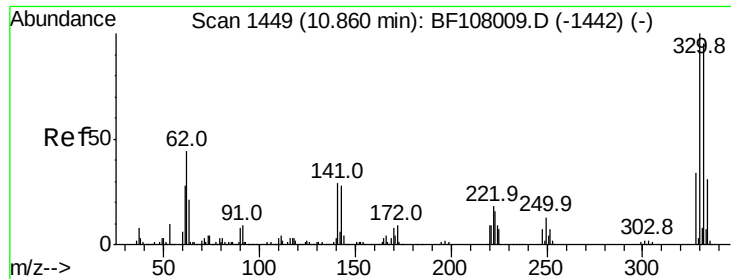
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#40
 Hexachlorocyclopentadiene
 Concen: 8.038 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	60.2	44.8	84.8
272	12.1	0.0	33.3





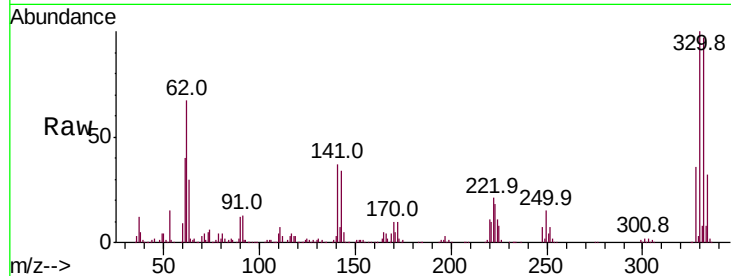
#41
 2,4,6-Tribromophenol
 Concen: 155.683 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

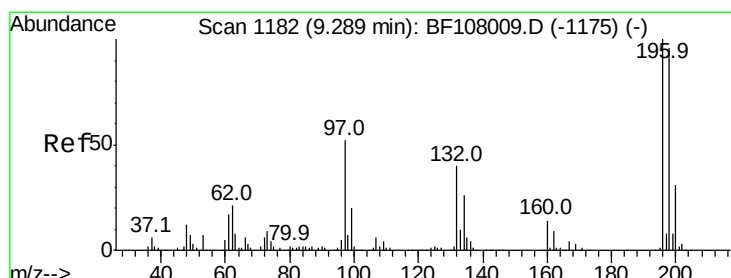
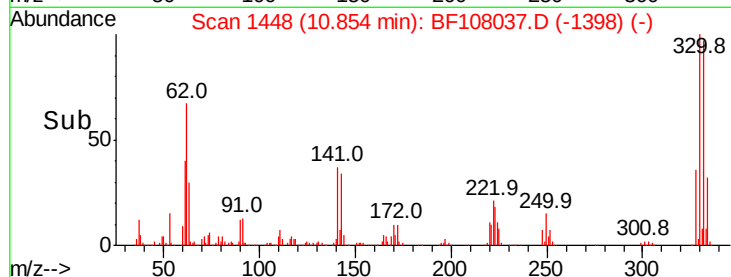
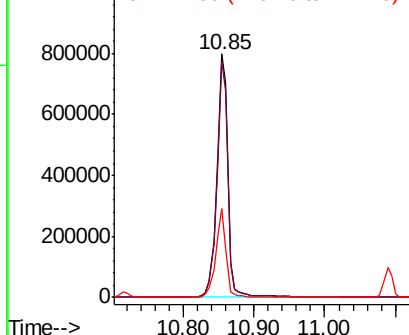
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.6	77.0	115.6	
141	34.0	29.9	44.9	

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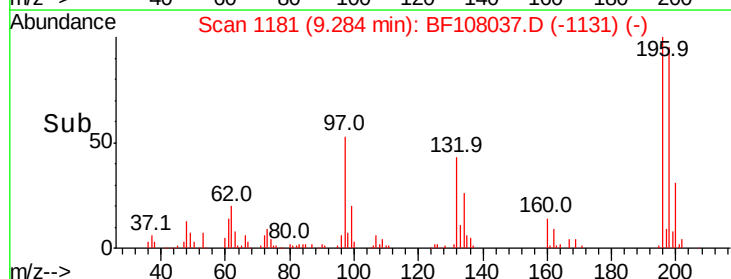
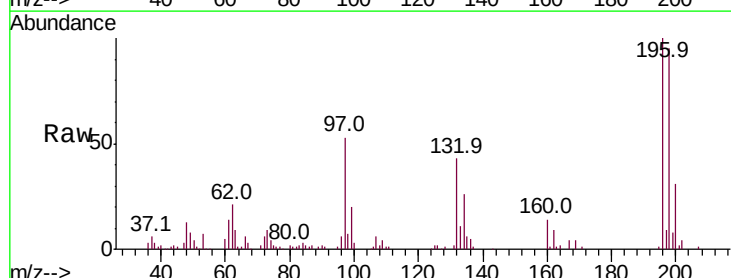
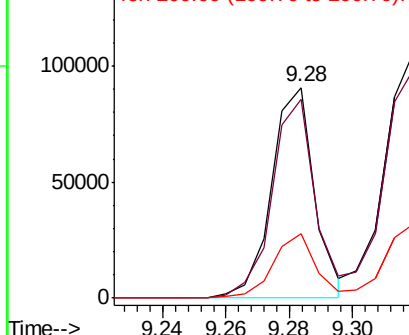
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

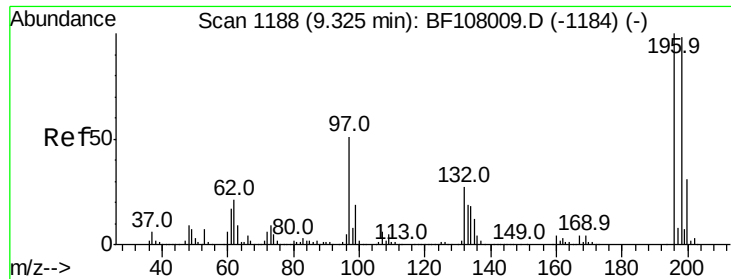


#42
 2,4,6-Trichlorophenol
 Concen: 7.968 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.8	75.7	113.5	
200	30.7	24.5	36.7	

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





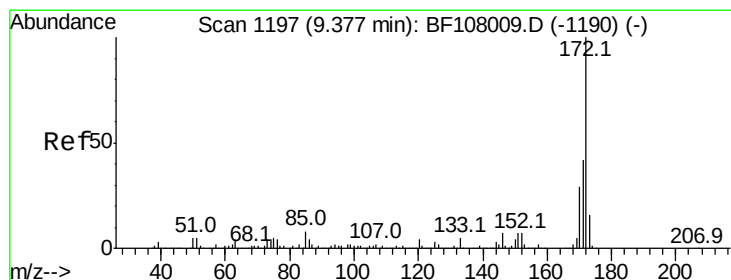
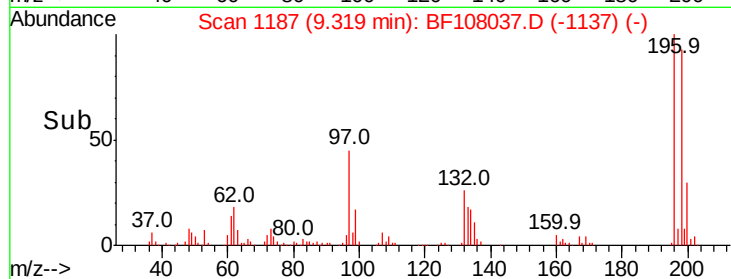
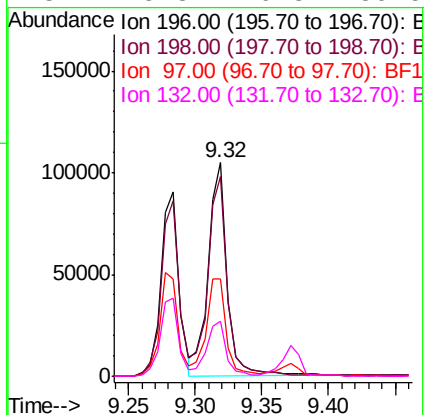
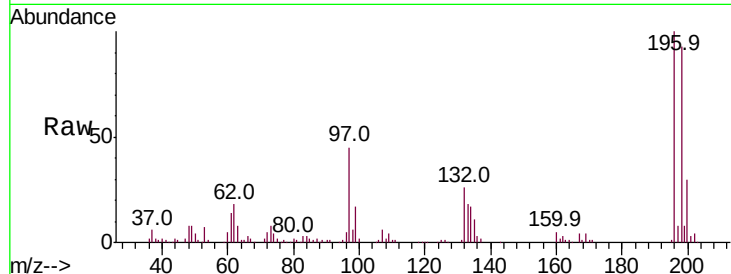
#43
 2,4,5-Trichlorophenol
 Concen: 8.771 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	103657		
198	93.2	74.6	112.0	
97	45.4	42.9	64.3	
132	25.8	26.3	39.5	

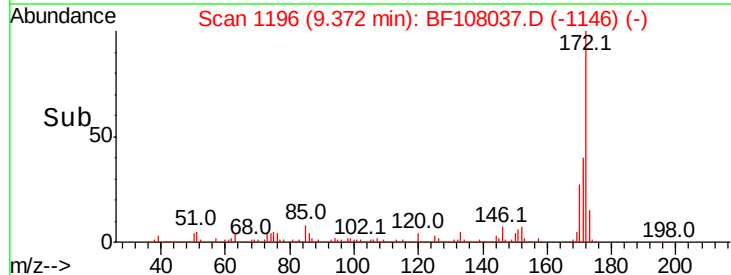
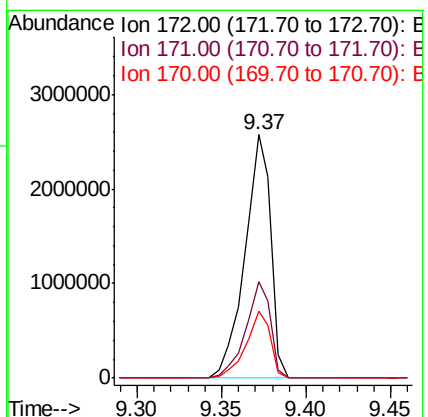
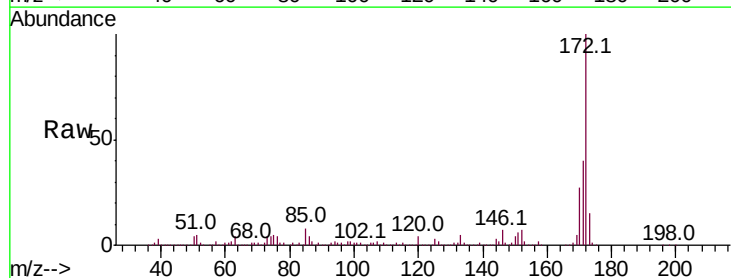
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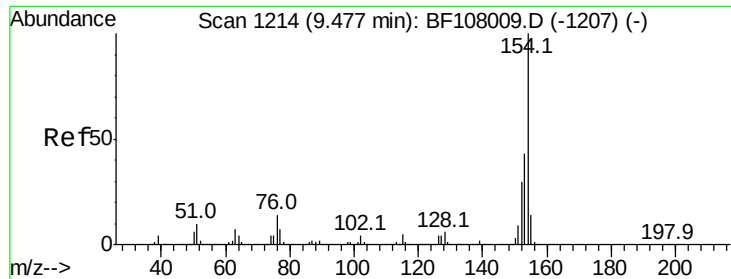
Sohil
 8/9/2018 5:01:46 PM



#44
 2-Fluorobiphenyl
 Concen: 78.491 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2754269		
171	39.7	29.7	44.5	
170	27.4	19.6	29.4	





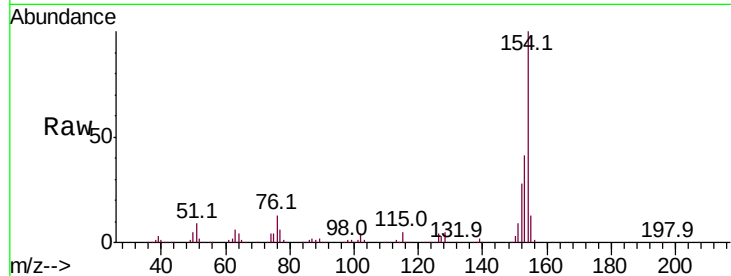
#45
 1,1'-Biphenyl
 Concen: 9.426 ng
 RT: 9.47 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.7	21.3	61.3	
76	12.7	0.0	34.0	

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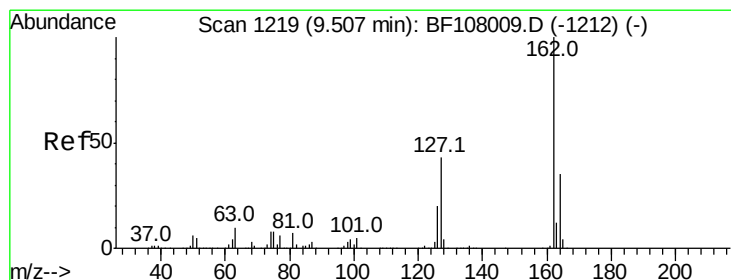
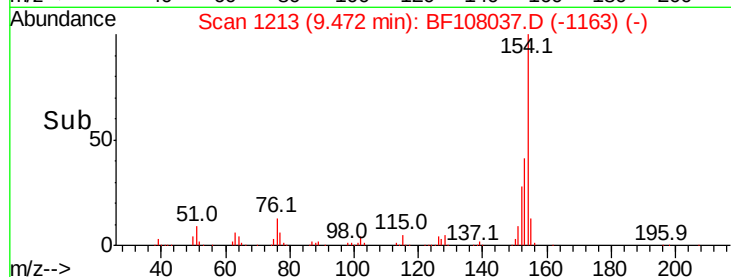
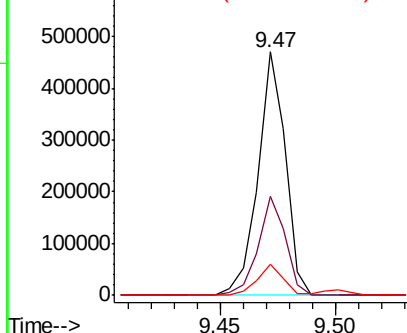


Abundance

Ion 154.00 (153.70 to 154.70): E

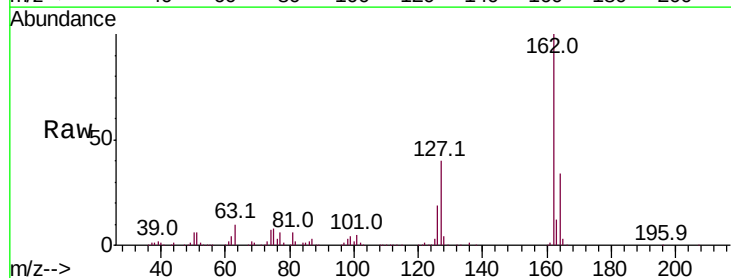
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46
 2-Chloronaphthalene
 Concen: 9.256 ng
 RT: 9.50 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.4	33.9	50.9	
164	33.6	26.5	39.7	

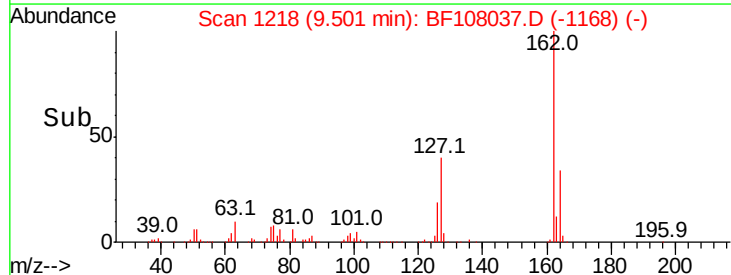
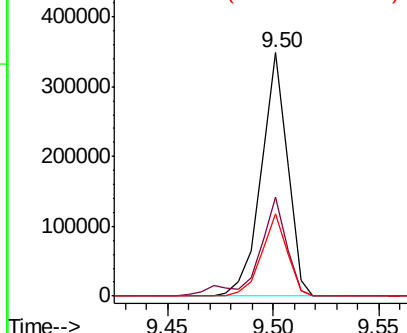


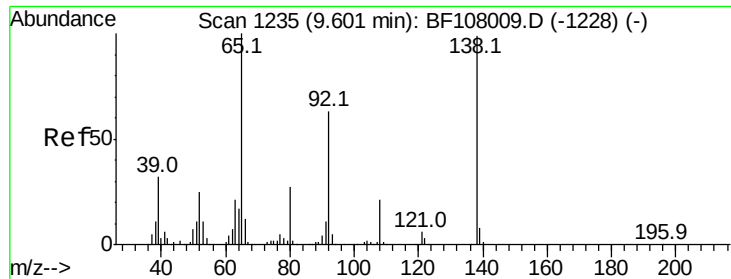
Abundance

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: 8.613 ng

RT: 9.59 min Scan# 1233

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

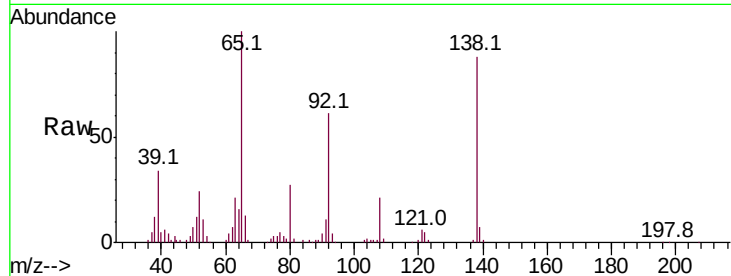
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
65	100		
92	60.8	55.8	83.6
138	87.6	91.2	136.8#

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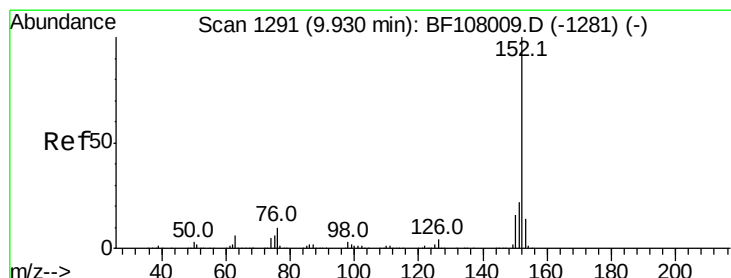
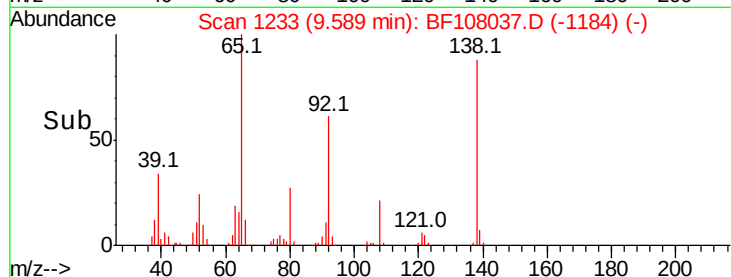
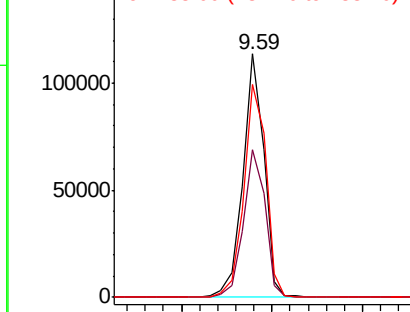


Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#48

Acenaphthylene

Concen: 9.548 ng

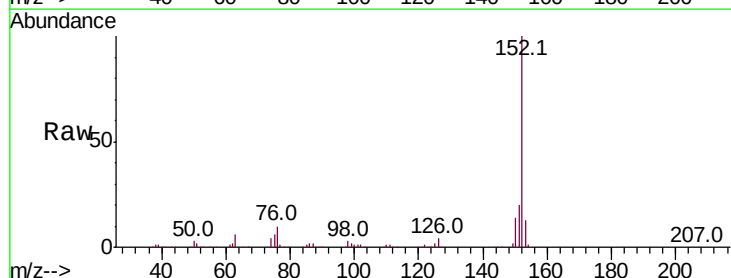
RT: 9.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.3	10.7	16.1

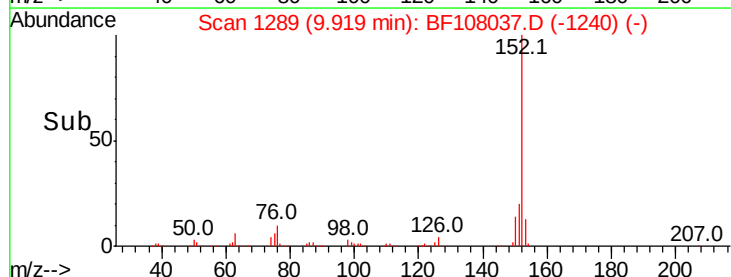
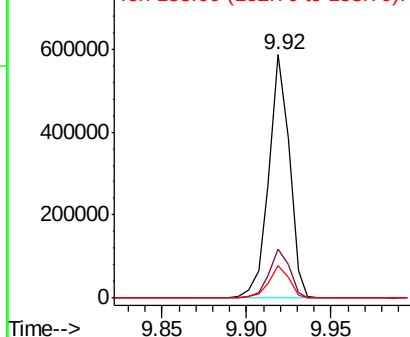


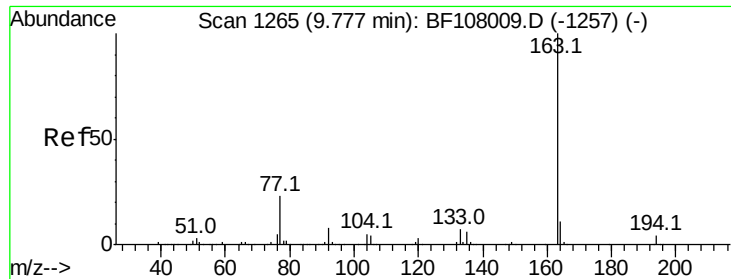
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





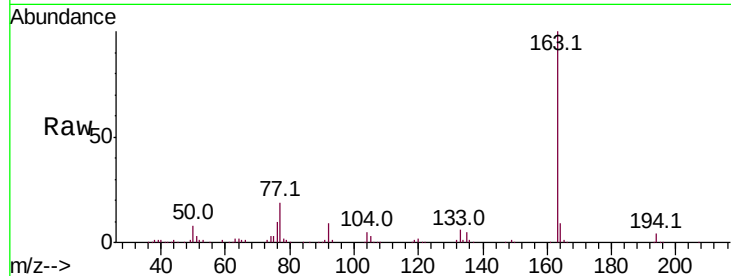
#49
Dimethylphthalate
Concen: 9.172 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.0	2.7	4.1	
164	9.4	8.2	12.2	

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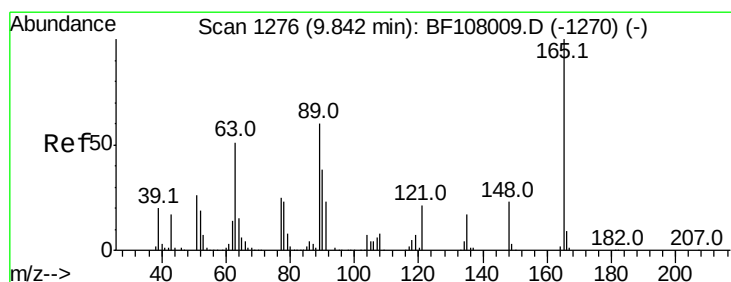
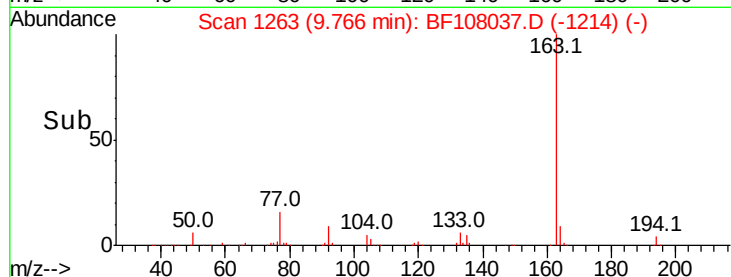
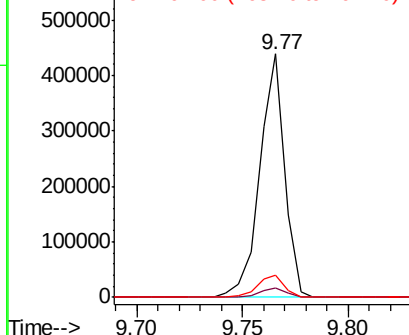


Abundance

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: 8.815 ng
RT: 9.83 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

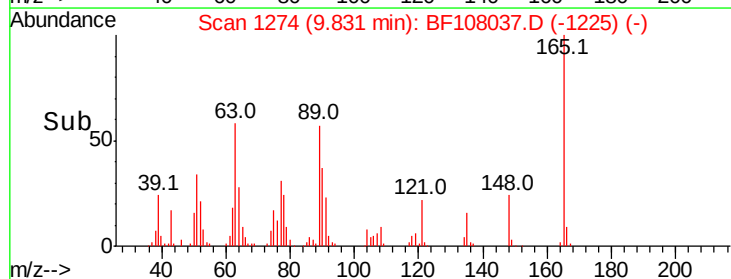
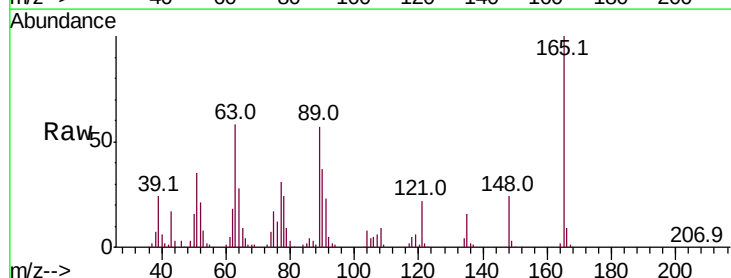
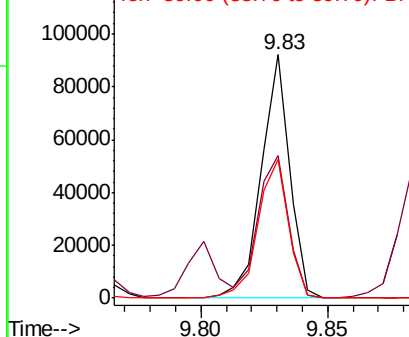
Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	58.4	44.7	67.1	
89	57.1	44.0	66.0	

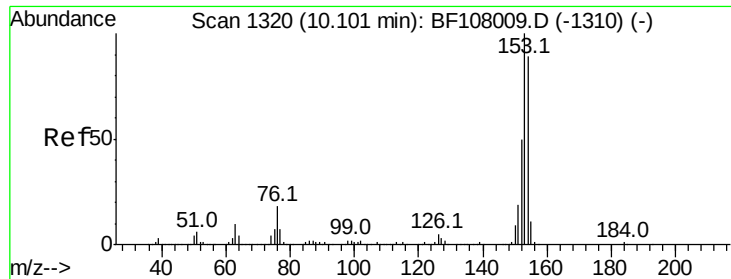
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 9.266 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

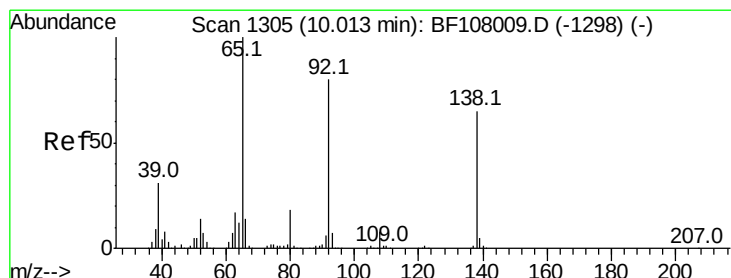
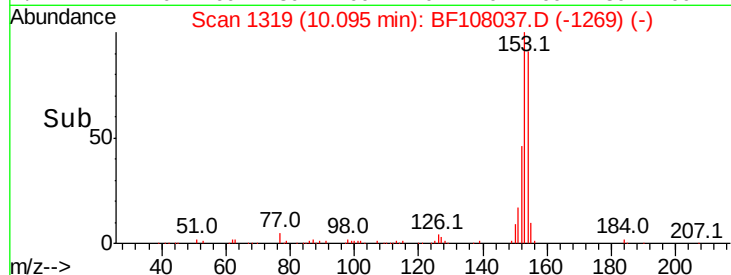
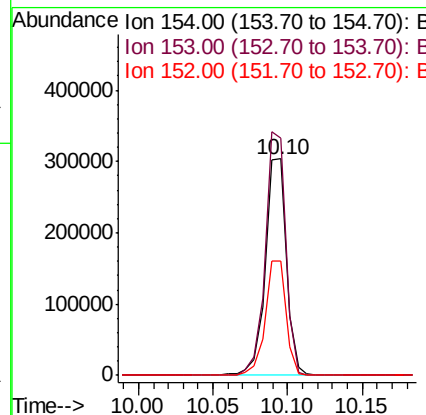
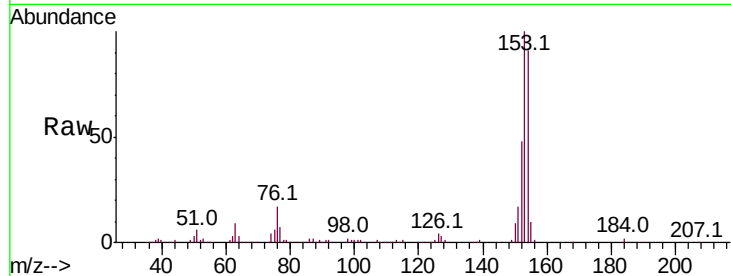
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	154	Resp:	294566
Ion Ratio	Lower	Upper	
154	100		
153	109.5	91.2	136.8
152	52.7	43.8	65.8

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#52

3-Nitroaniline

Concen: 7.299 ng

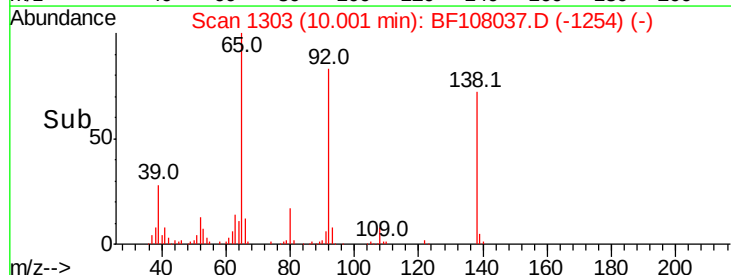
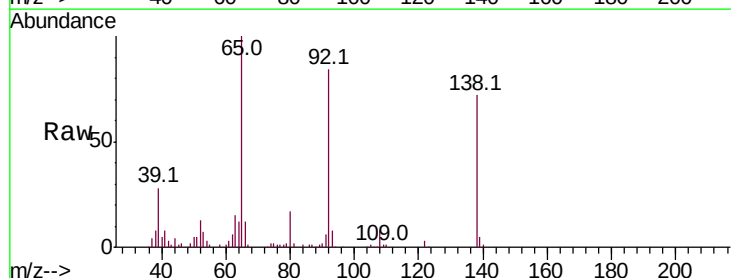
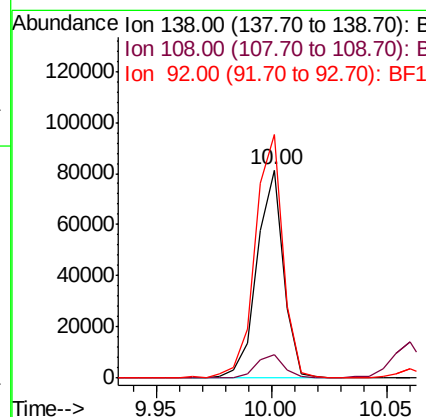
RT: 10.00 min Scan# 1303

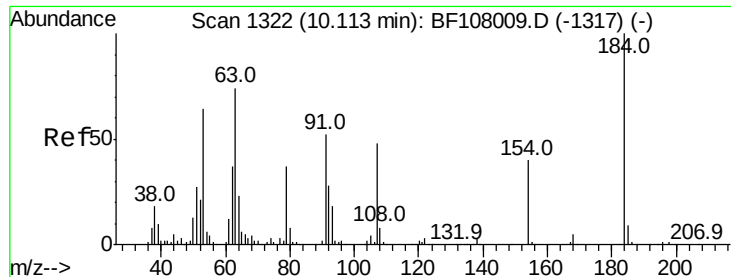
Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion:	138	Resp:	65572
Ion Ratio	Lower	Upper	
138	100		
108	11.3	9.4	14.0
92	117.0	89.4	134.2





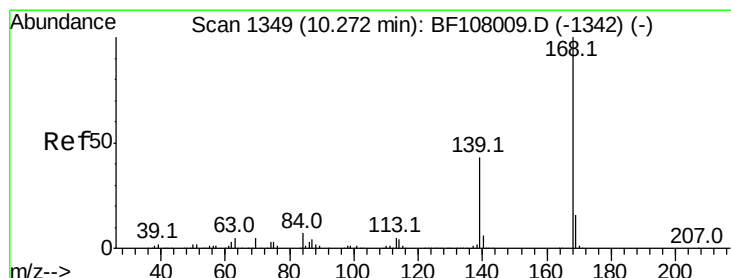
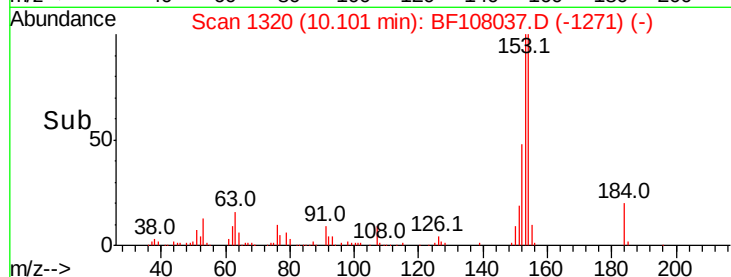
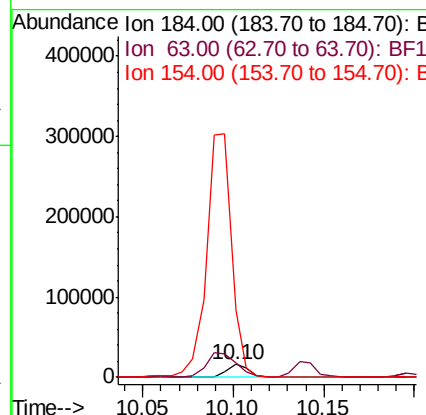
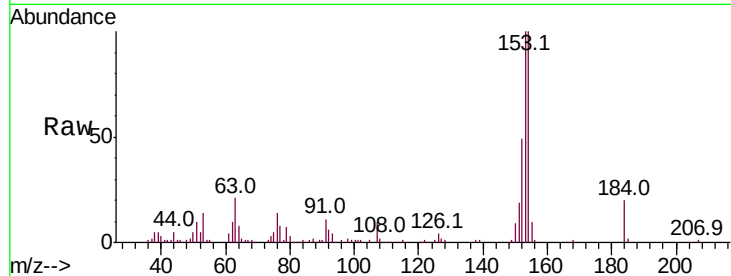
#53
2,4-Dinitrophenol
Concen: 11.358 ng
RT: 10.10 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Lower	Upper
184	100		
63	106.9	54.2	81.2#
154	506.3	184.0	276.0#

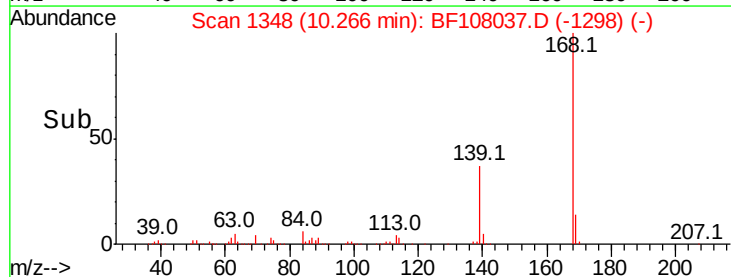
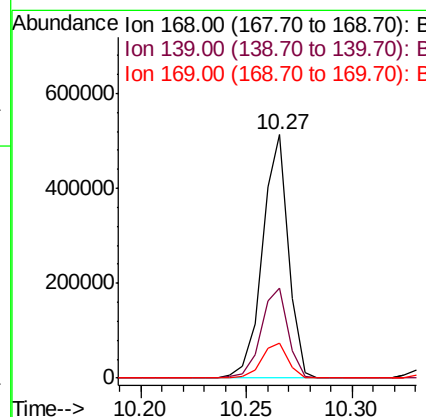
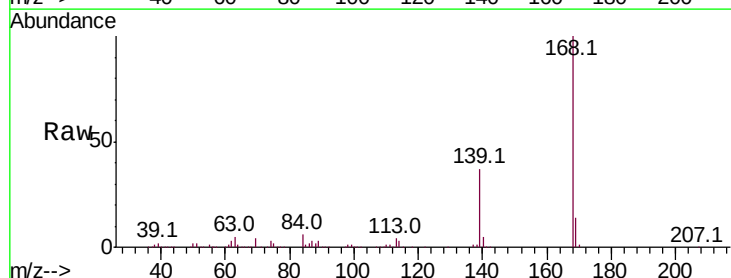
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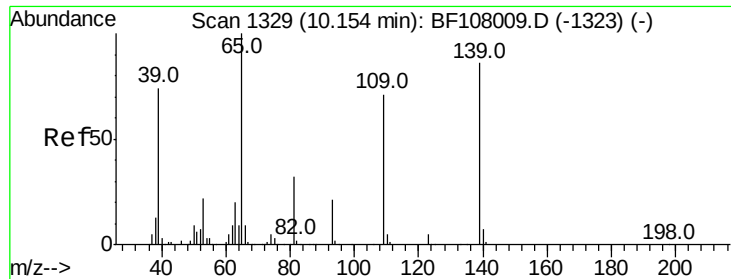
Sohil
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#54
Dibenzofuran
Concen: 9.540 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	14.3	10.9	16.3





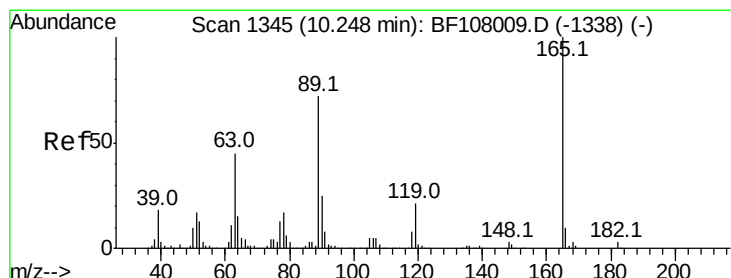
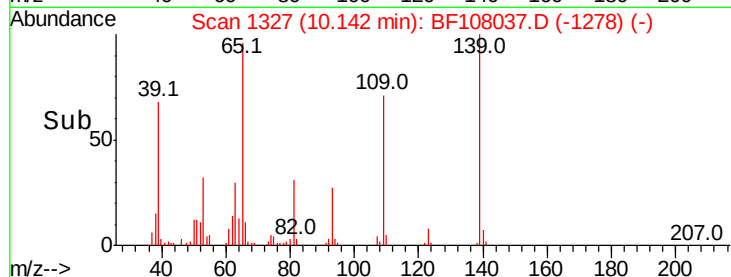
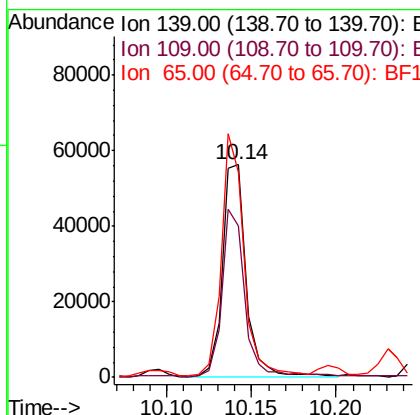
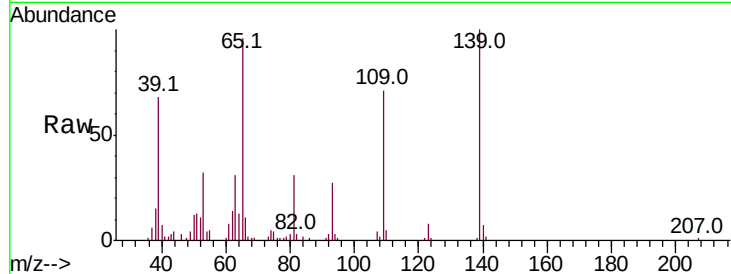
#55
4-Nitrophenol
Concen: 8.209 ng
RT: 10.14 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	71.2	48.4	88.4	
65	96.2	72.6	112.6	

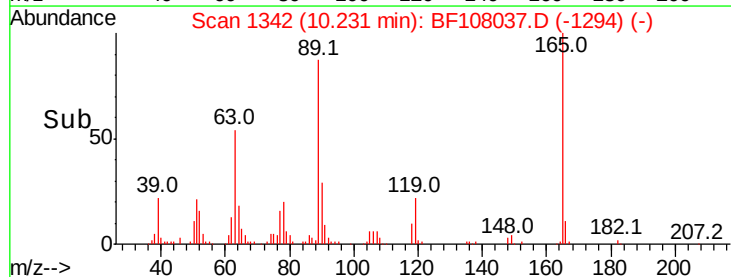
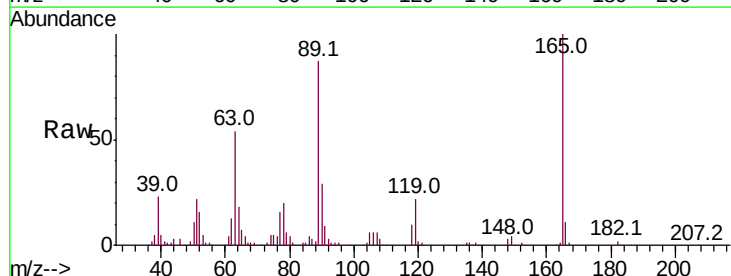
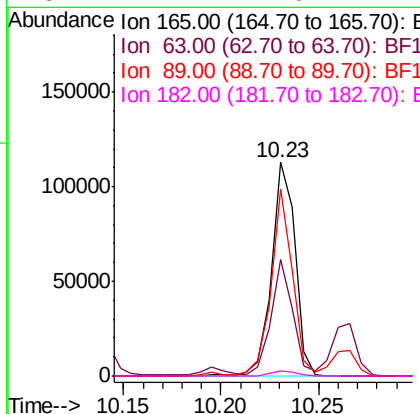
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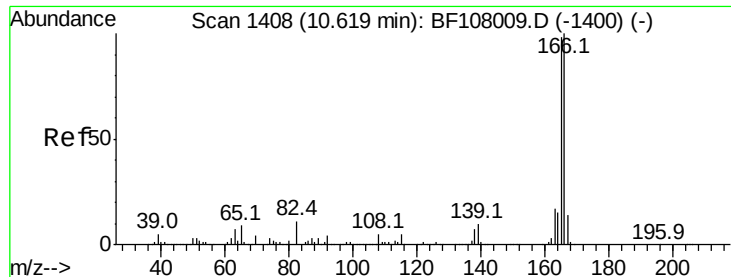
Sohil
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#56
2,4-Dinitrotoluene
Concen: 8.907 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	54.5	36.4	54.6	
89	87.3	57.8	86.6#	
182	2.4	1.6	2.4#	





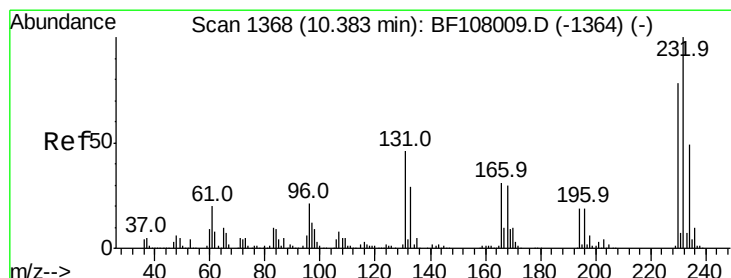
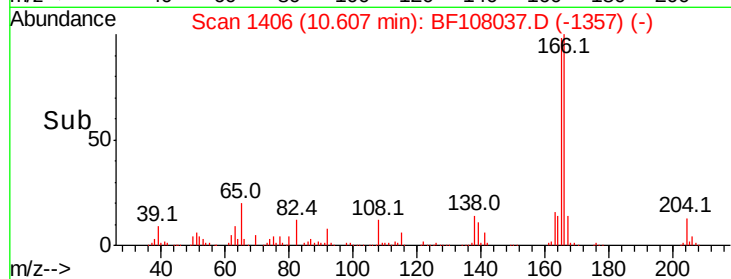
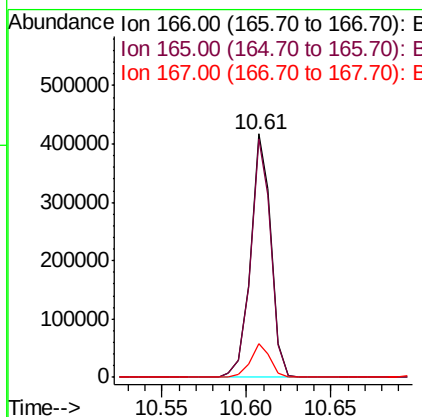
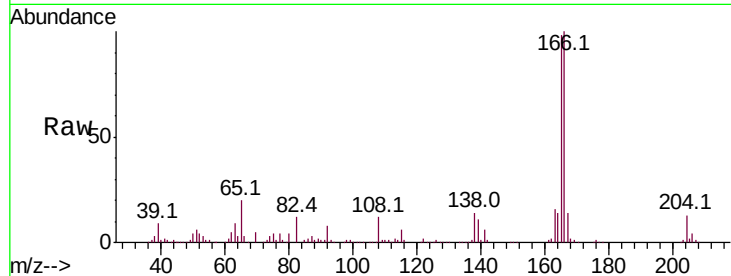
#57
 Fluorene
 Concen: 9.663 ng
 RT: 10.61 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	352294		
165	98.0	79.8	119.8	
167	13.6	10.6	16.0	

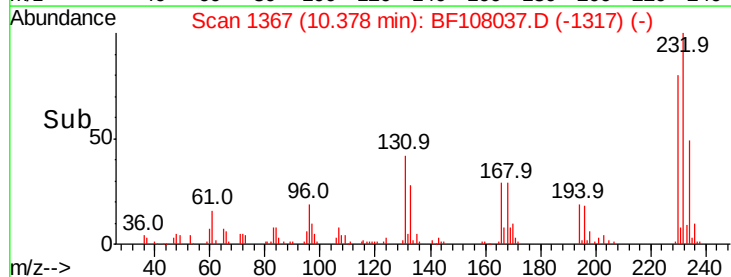
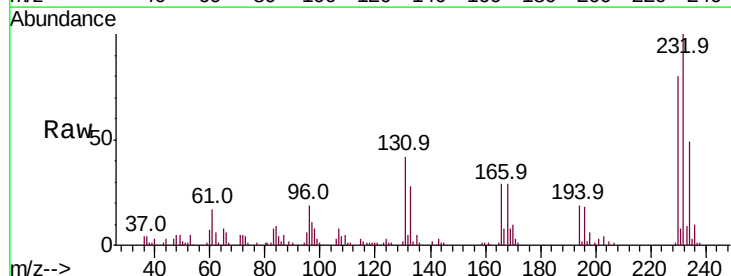
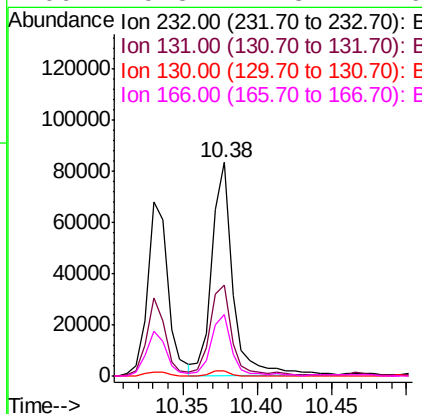
Manual Integrations
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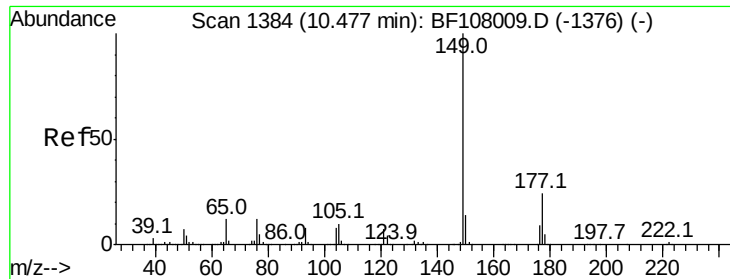
Sohil
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 8.255 ng
 RT: 10.38 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	81545		
131	46.6	43.8	65.8	
130	2.1	2.1	3.1	
166	29.3	27.8	41.6	





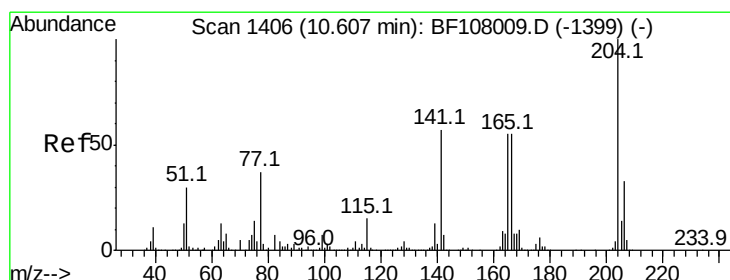
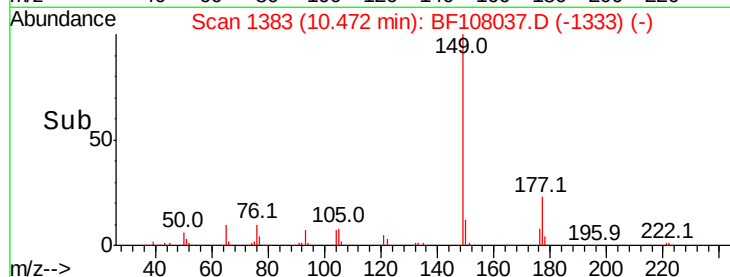
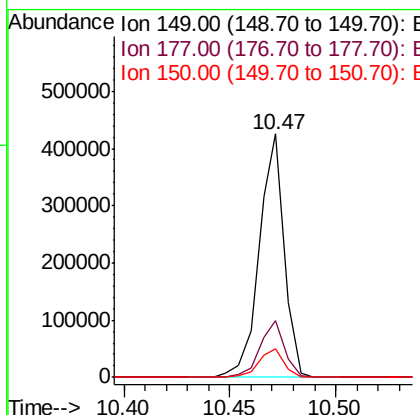
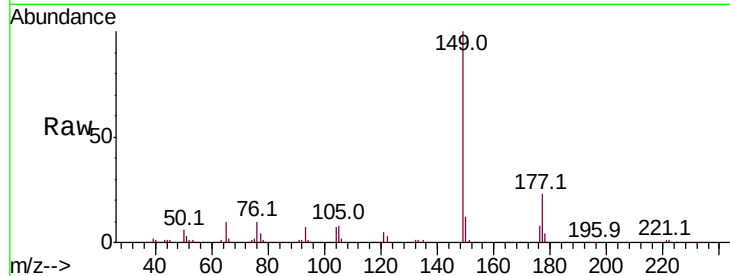
#59
Diethylphthalate
Concen: 9.222 ng
RT: 10.47 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	350439		
177	23.1	16.1	24.1	
150	12.0	10.1	15.1	

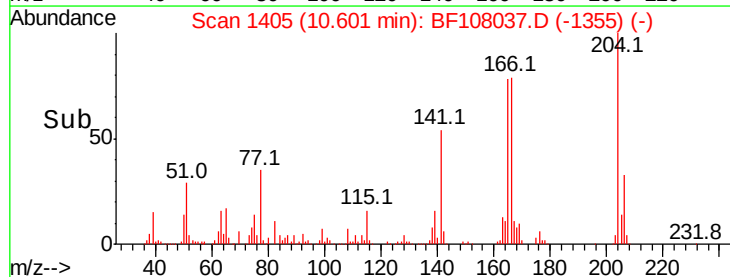
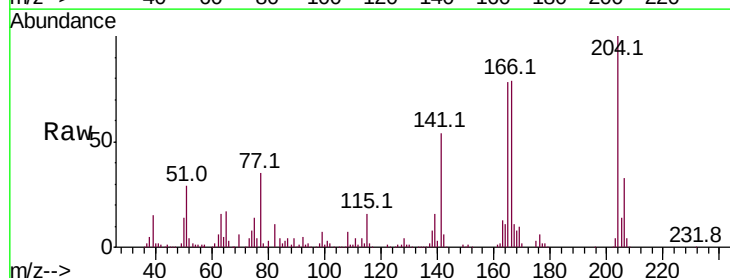
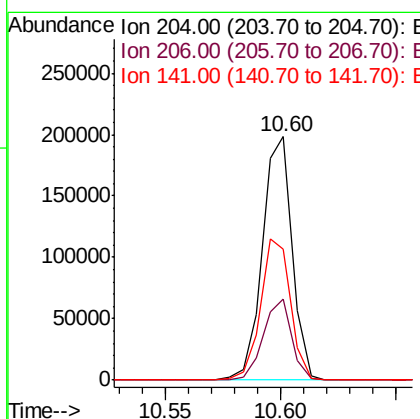
Manual Integrations
APPROVED

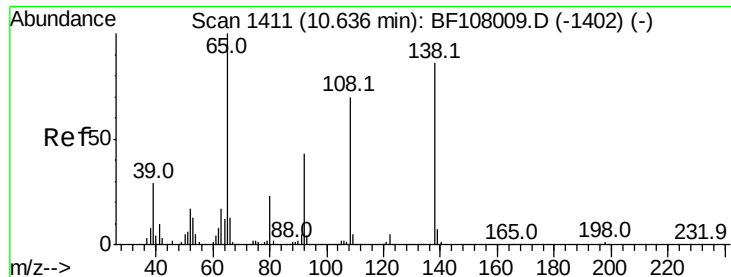
Sohil
8/9/2018 5:01:46 PM



#60
4-Chlorophenyl-phenylether
Concen: 9.354 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	177701		
206	33.1	26.5	39.7	
141	53.6	54.6	81.8#	





#61

4-Nitroaniline

Concen: 8.786 ng

RT: 10.61 min Scan# 1407

Delta R.T. -0.02 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:138 Resp: 78036

Ion Ratio Lower Upper

138 100

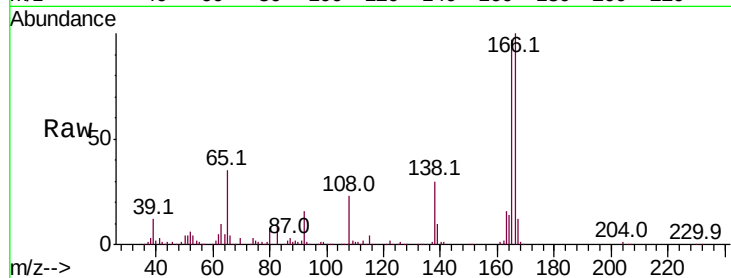
92 54.5 30.2 70.2

108 78.5 52.5 92.5

Manual Integrations
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Sohil

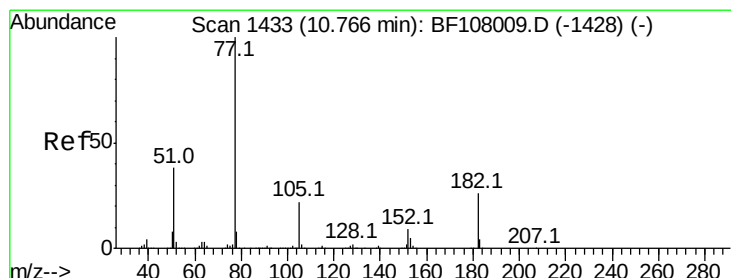
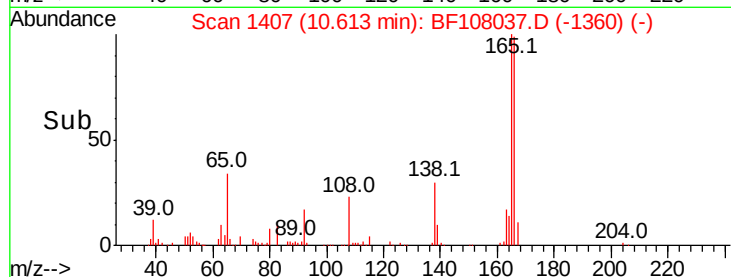
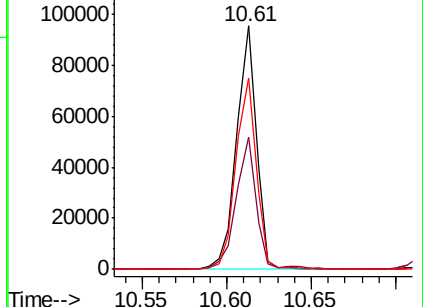
8/9/2018 5:01:46 PM



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 9.289 ng

RT: 10.76 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion: 77 Resp: 364550

Ion Ratio Lower Upper

77 100

182 25.6 1.7 41.7

105 21.1 3.0 43.0

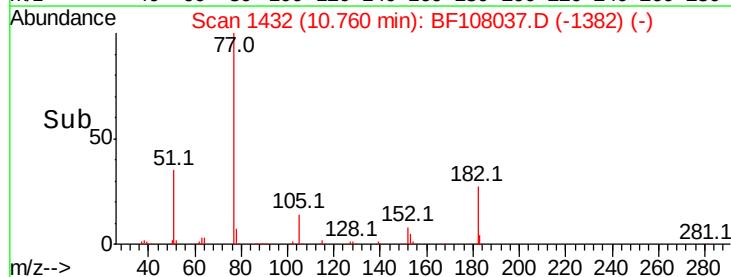
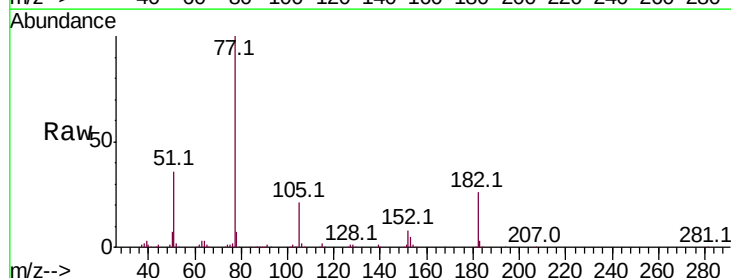
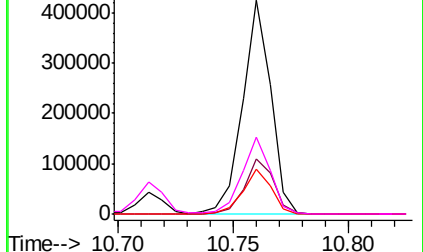
51 36.1 9.9 49.9

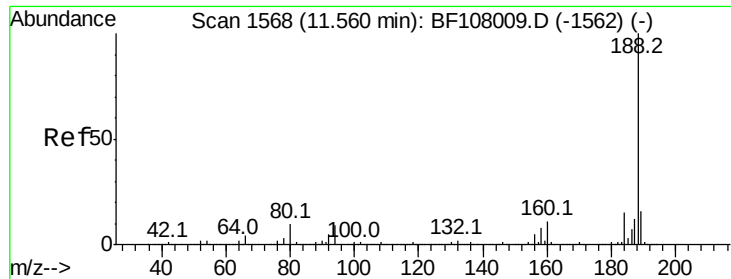
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





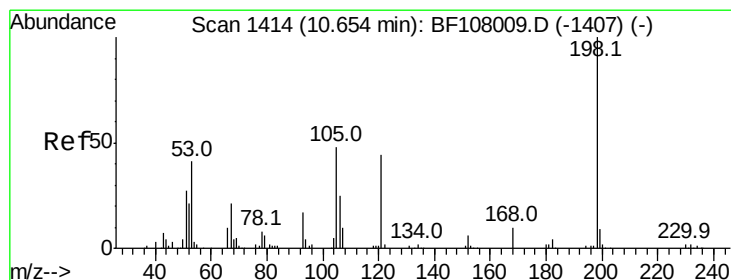
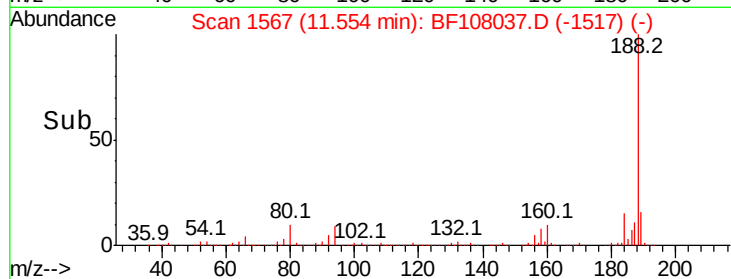
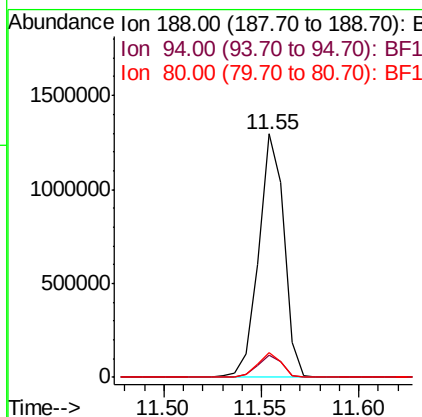
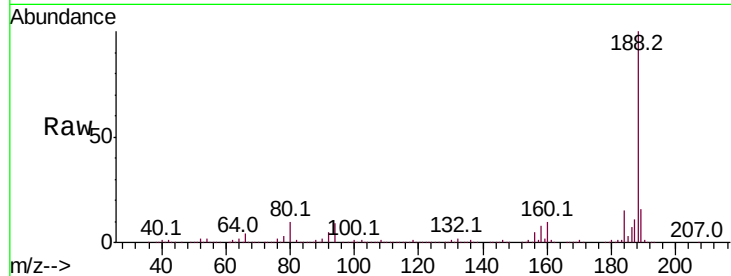
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.3	9.2	13.8

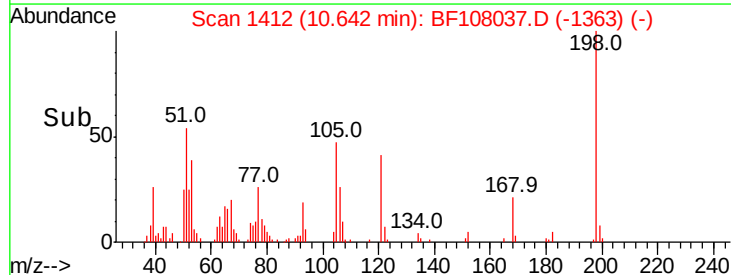
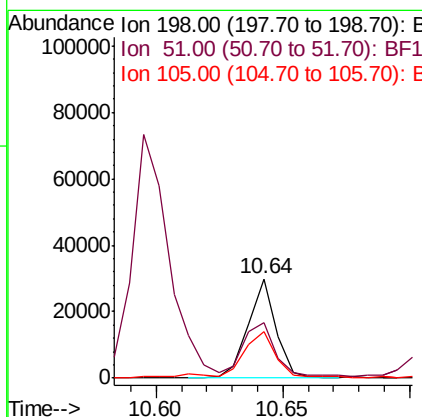
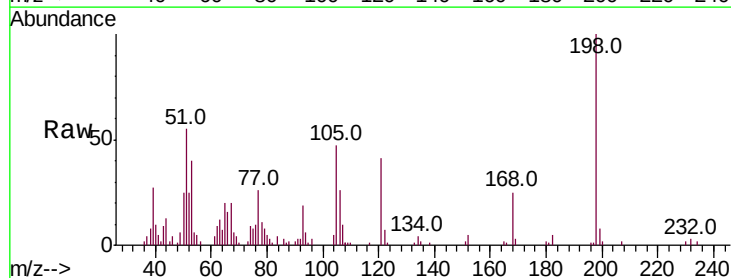
Manual Integrations
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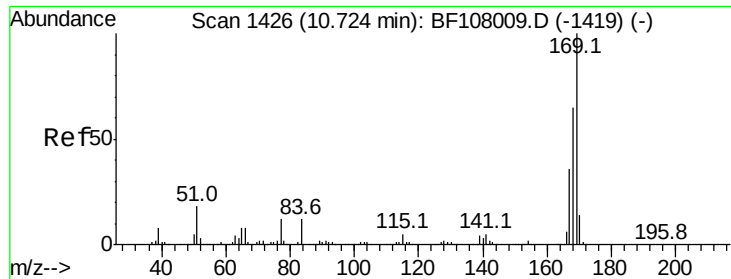
Sohil
8/9/2018 5:01:46 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 10.056 ng
RT: 10.64 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.4	37.7	77.7
105	47.1	36.3	76.3





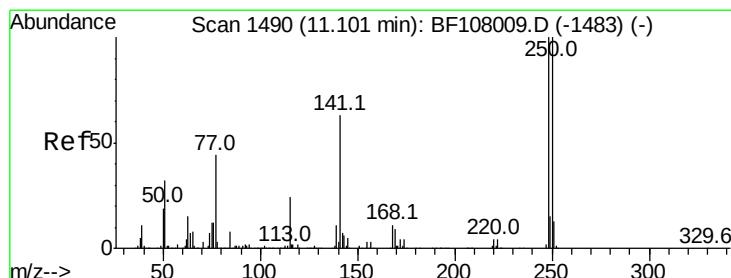
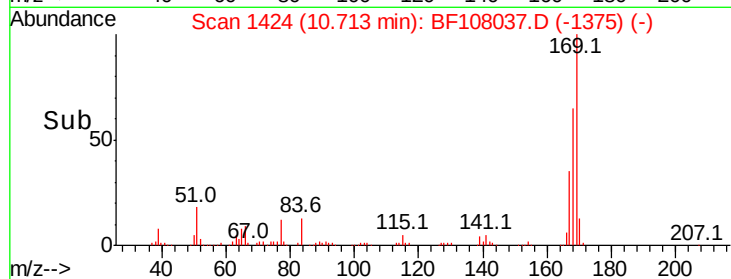
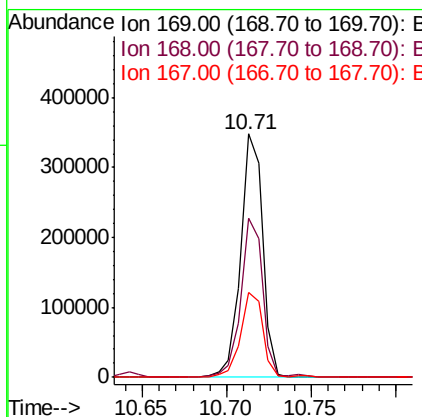
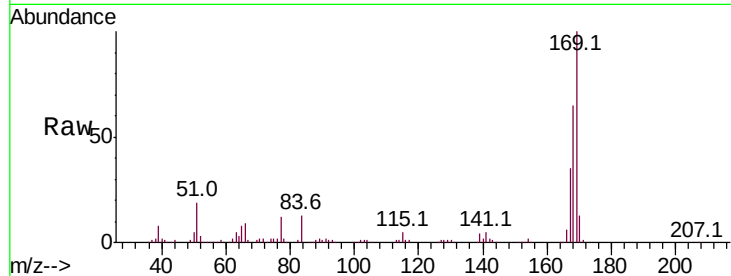
#65
 n-Nitrosodiphenylamine
 Concen: 9.181 ng
 RT: 10.71 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	65.3	54.4	81.6	
167	34.8	29.8	44.6	

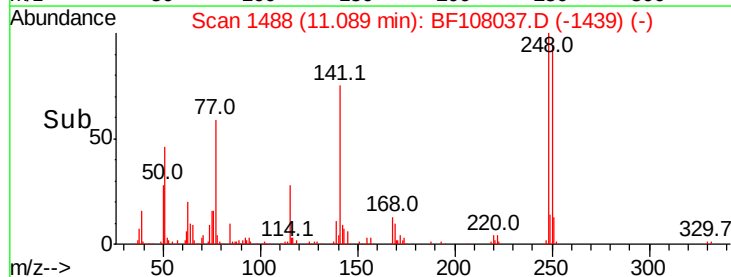
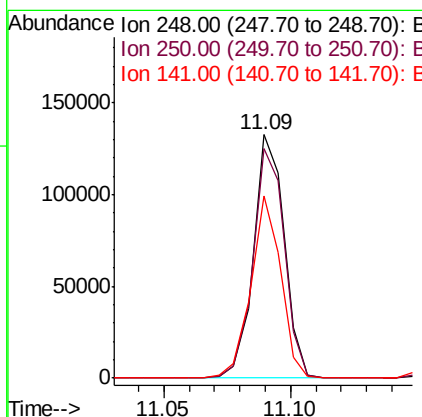
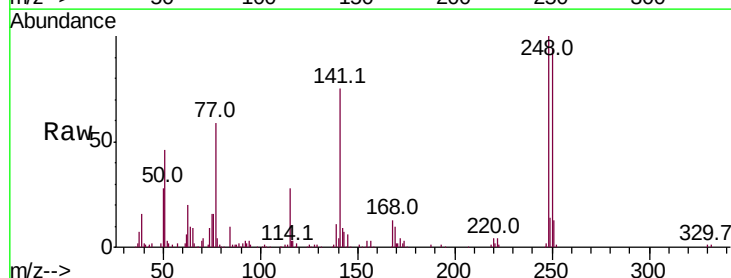
Manual Integrations
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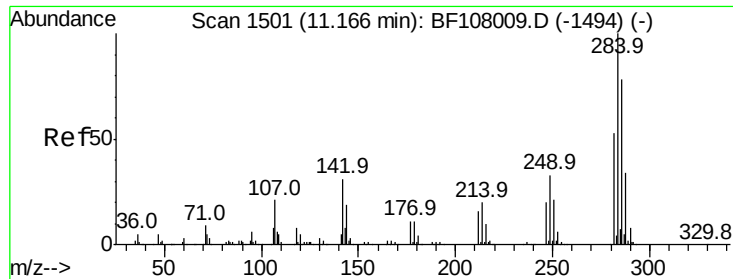
Sohil
 8/9/2018 5:01:46 PM



#66
 4-Bromophenyl-phenylether
 Concen: 8.939 ng
 RT: 11.09 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	94.0	76.9	115.3	
141	74.8	74.4	111.6	





#67

Hexachlorobenzene

Concen: 8.607 ng

RT: 11.16 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

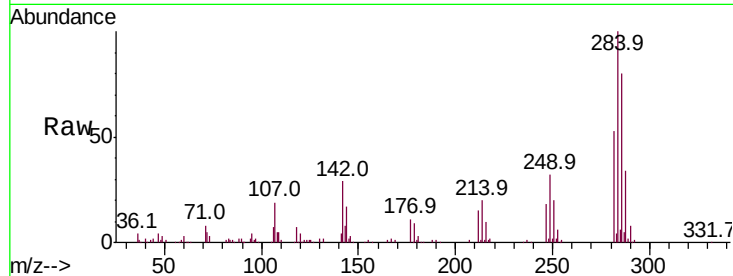
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	28.9	34.6	52.0#	
249	32.0	24.8	37.2	

Manual Integrations
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Sohil
8/9/2018 5:01:46 PM

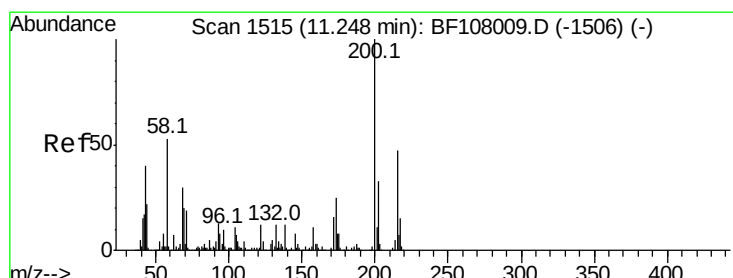
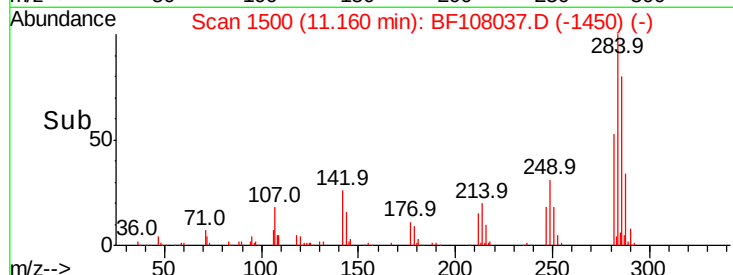
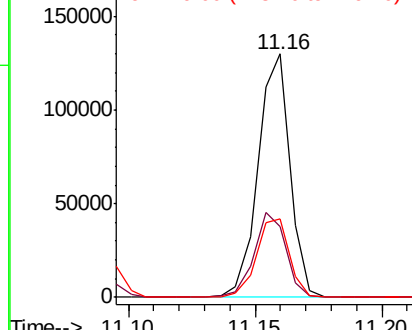


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 8.696 ng

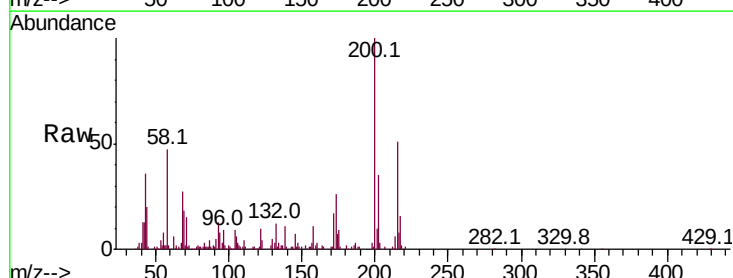
RT: 11.24 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	26.3	8.6	48.6	
215	51.4	25.1	65.1	

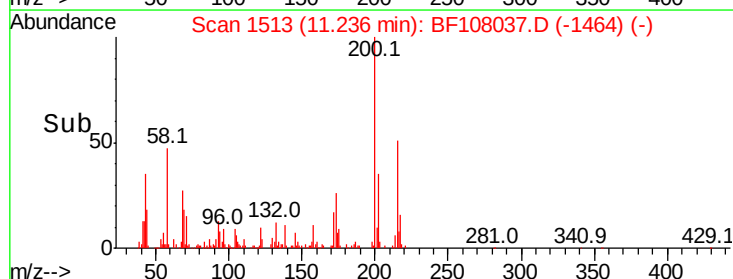
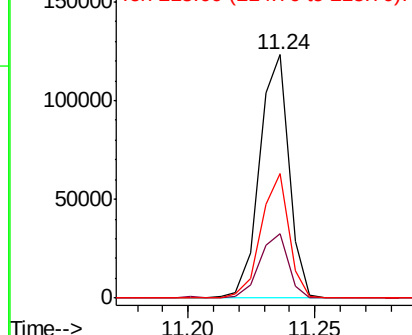


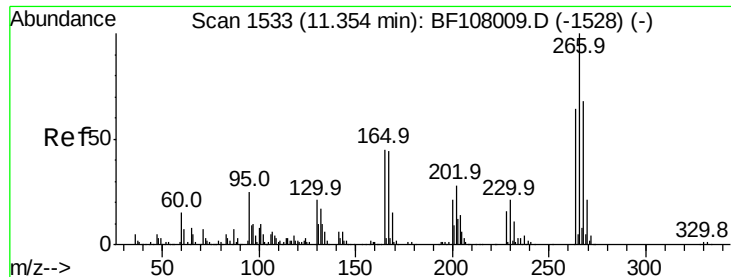
Abundance

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





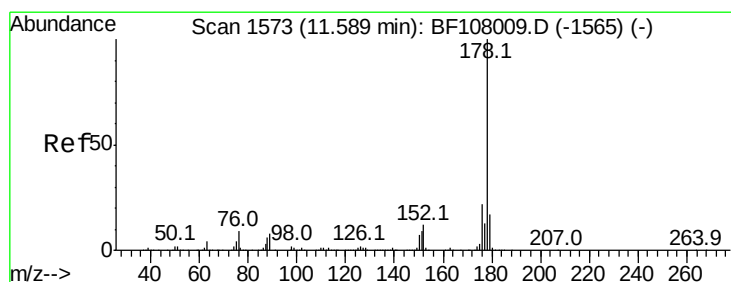
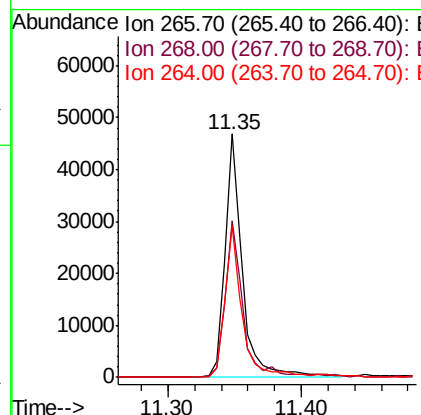
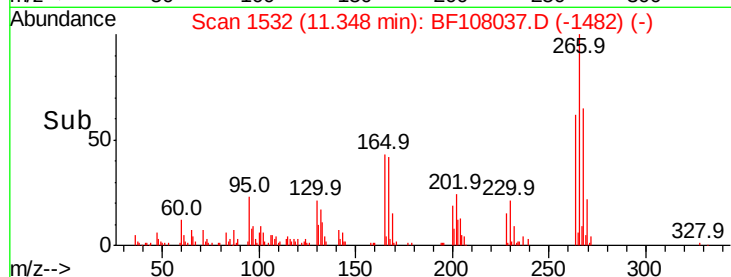
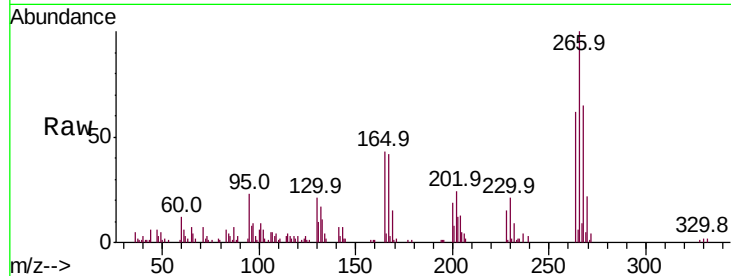
#69
 Pentachlorophenol
 Concen: 6.795 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
266	100			
268	64.5	51.1	76.7	
264	62.0	49.5	74.3	

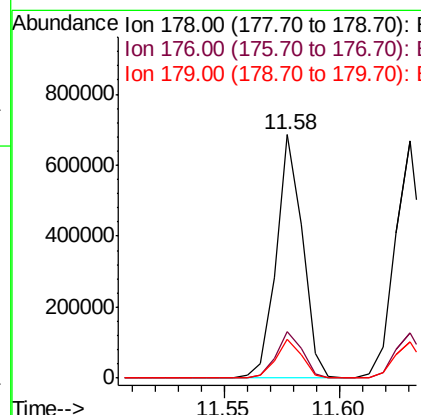
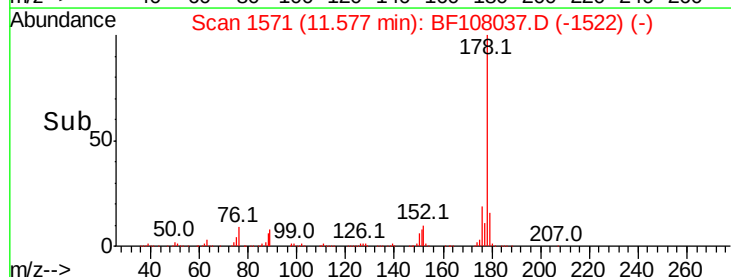
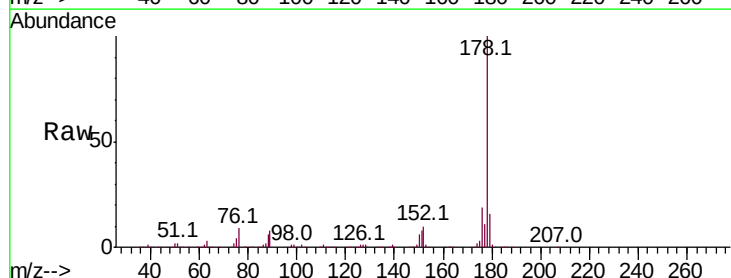
Manual Integrations
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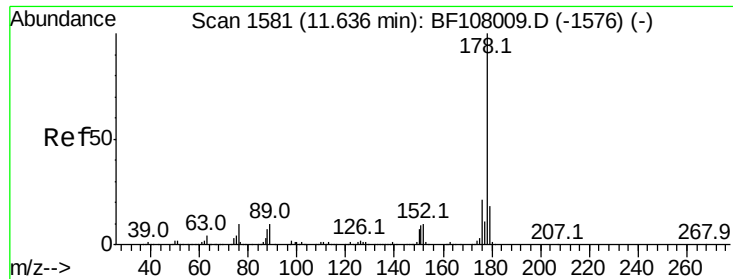
Sohil
 8/9/2018 5:01:46 PM



#70
 Phenanthrene
 Concen: 9.818 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.2	15.8	23.8	
179	15.7	13.0	19.6	





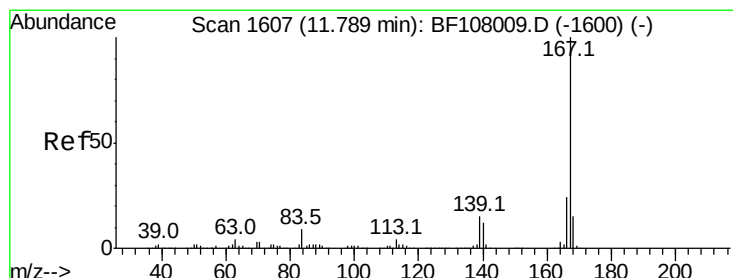
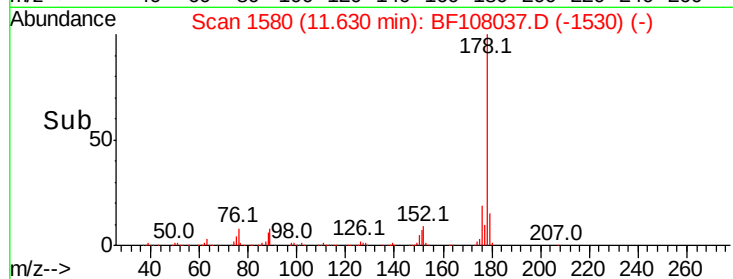
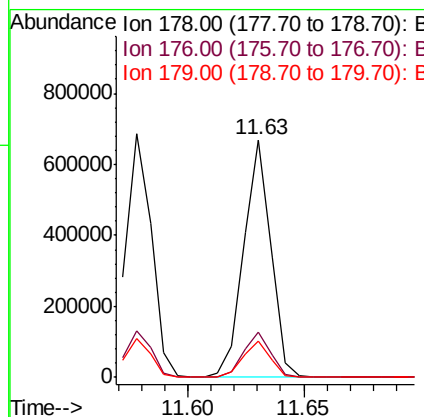
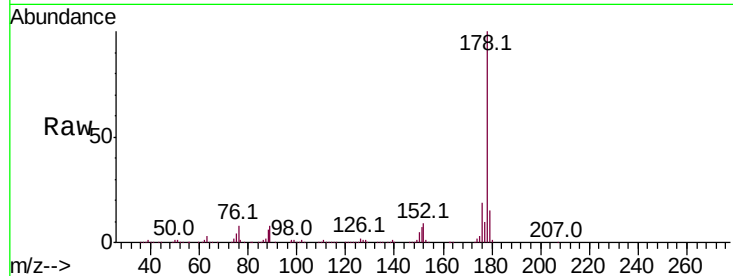
#71
 Anthracene
 Concen: 9.794 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.0	12.6	19.0

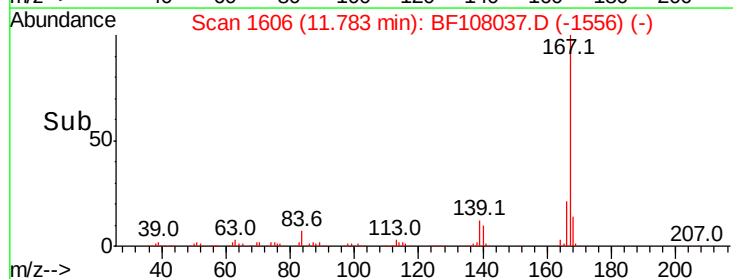
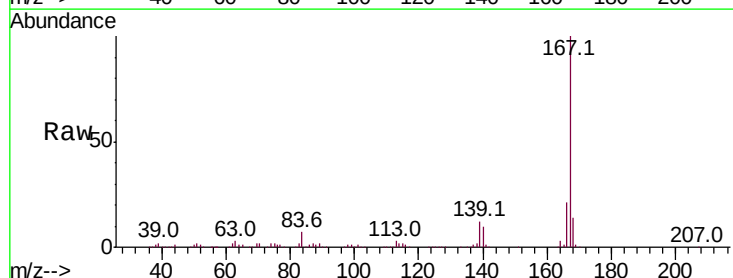
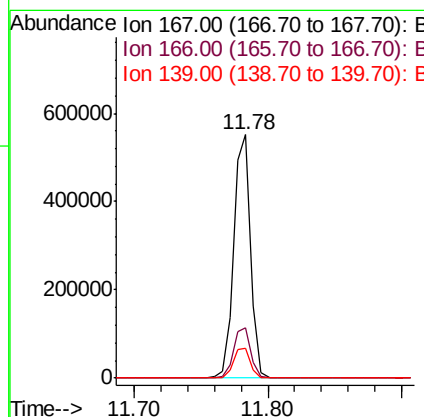
Manual Integrations
 APPROVED

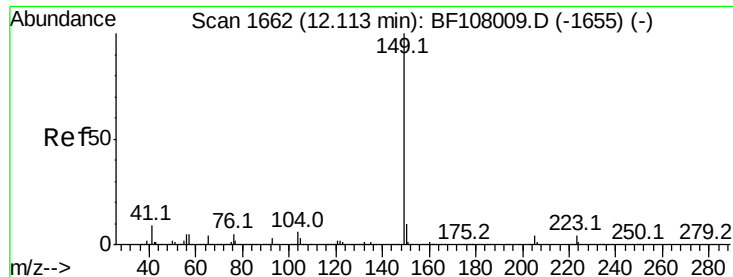
Sohil
 8/9/2018 5:01:46 PM



#72
 Carbazole
 Concen: 9.772 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	12.3	10.9	16.3





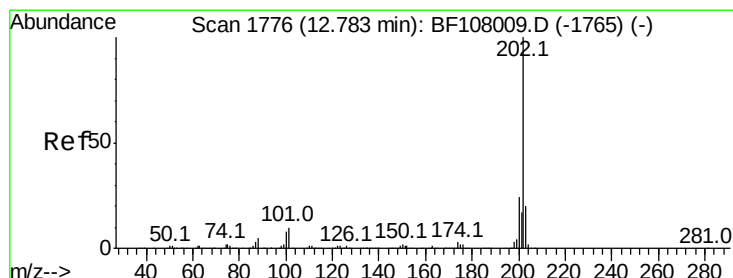
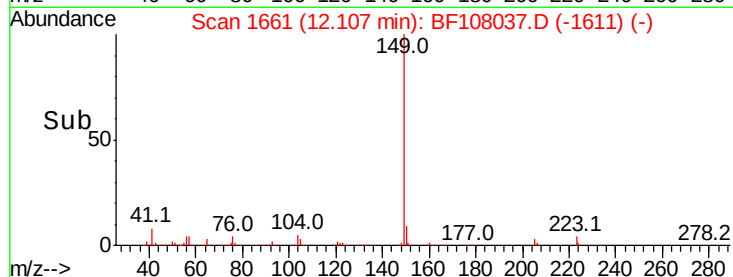
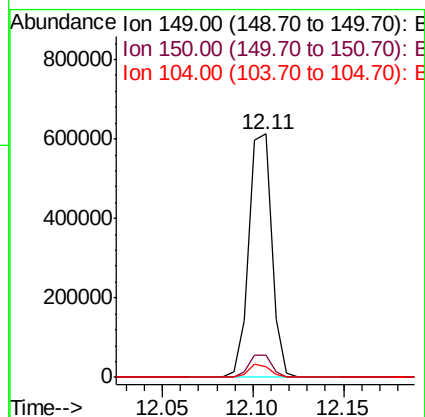
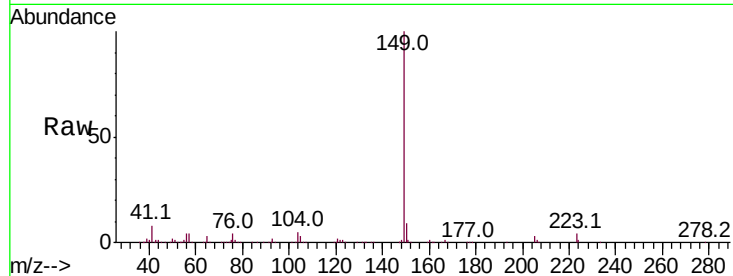
#73
Di-n-butylphthalate
Concen: 9.530 ng
RT: 12.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.2	7.8	11.6
104	4.6	3.8	5.8

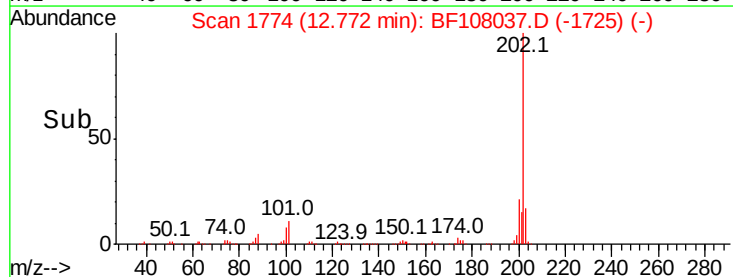
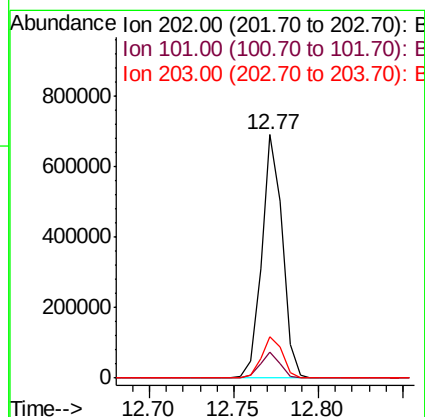
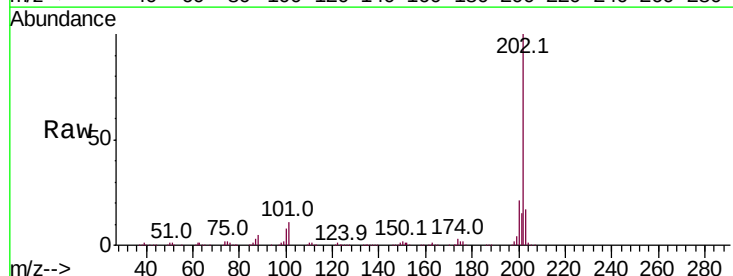
Manual Integrations
APPROVED

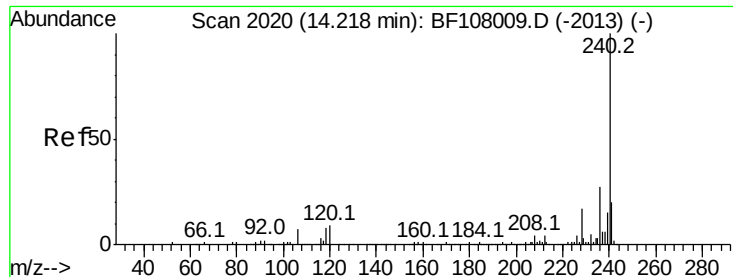
Sohil
8/9/2018 5:01:46 PM



#74
Fluoranthene
Concen: 9.841 ng
RT: 12.77 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:240 Resp: 1010749

Ion Ratio Lower Upper

240 100

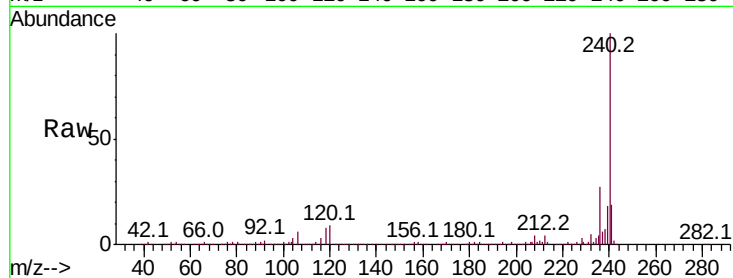
120 9.1 9.5 14.3#

236 27.3 20.7 31.1

Manual Integrations
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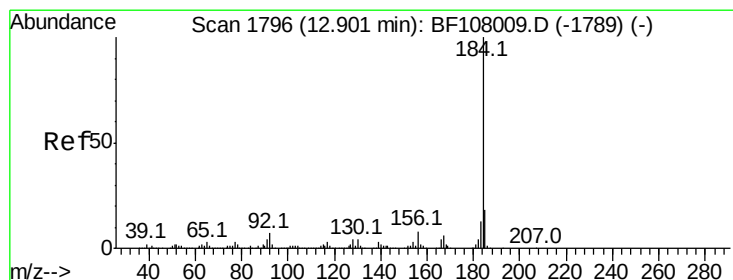
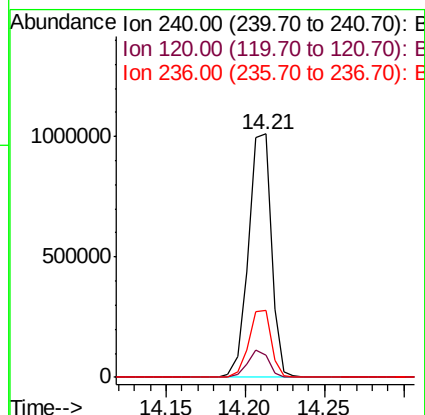
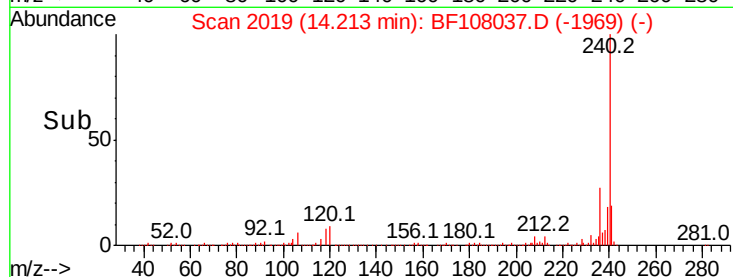
8/9/2018 5:01:46 PM



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: 3.405 ng

RT: 12.89 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

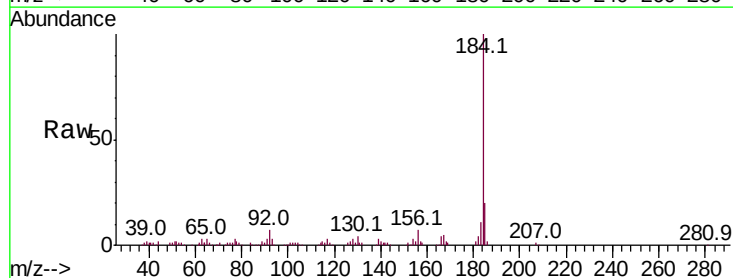
Tgt Ion:184 Resp: 128577

Ion Ratio Lower Upper

184 100

185 19.9 12.6 18.8#

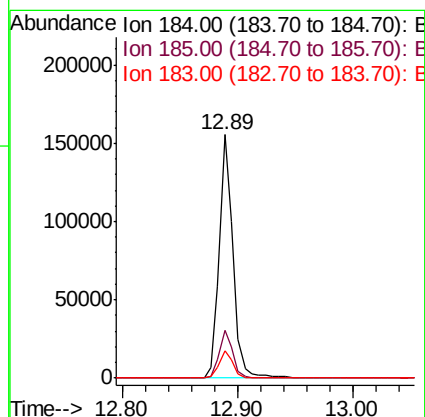
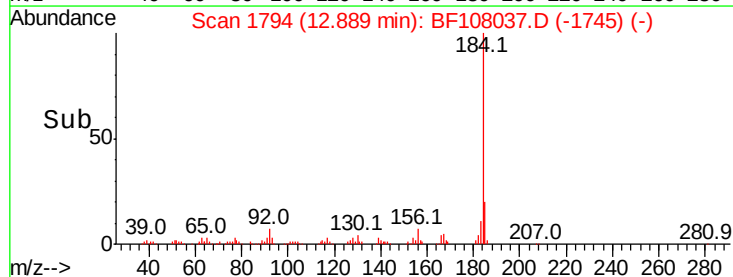
183 11.4 9.3 13.9

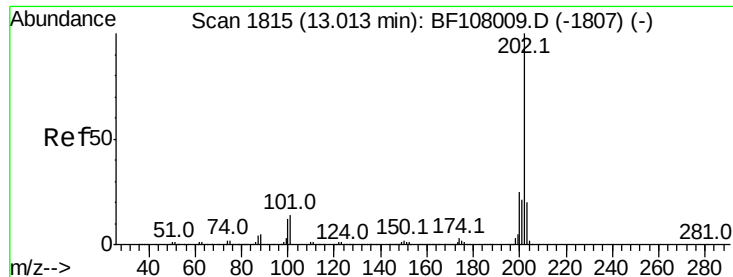


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





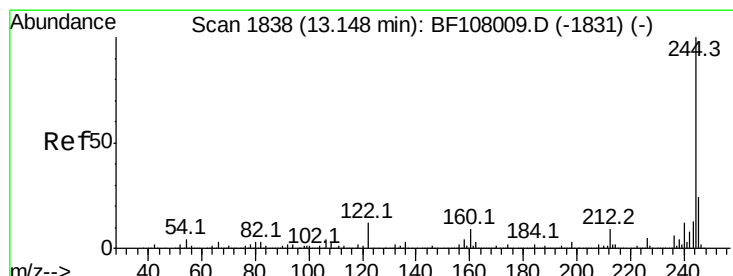
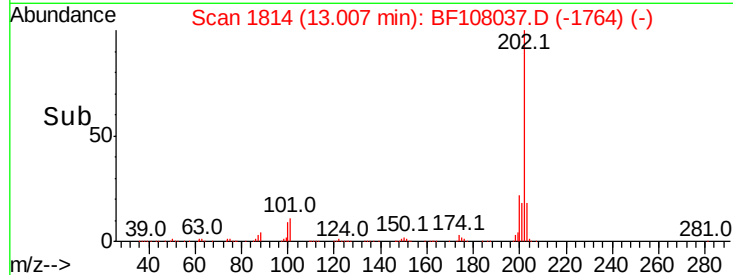
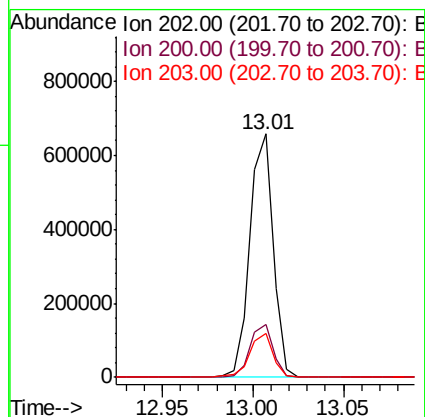
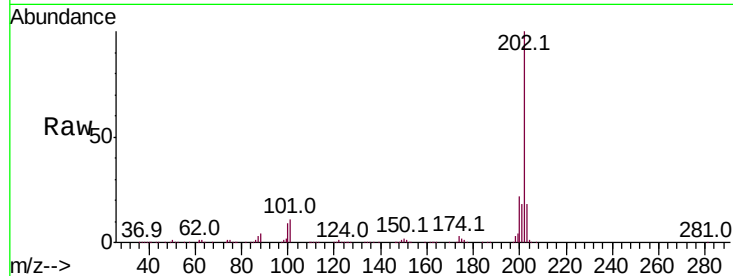
#77
Pvrene
Concen: 9.206 ng
RT: 13.01 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5

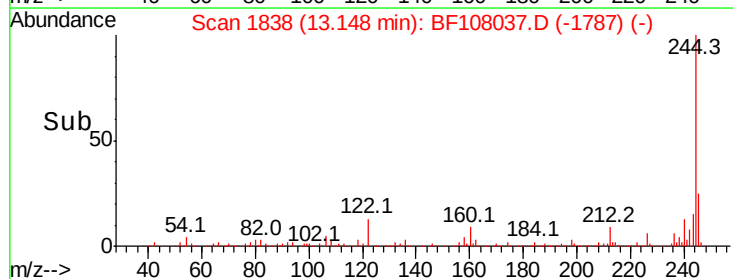
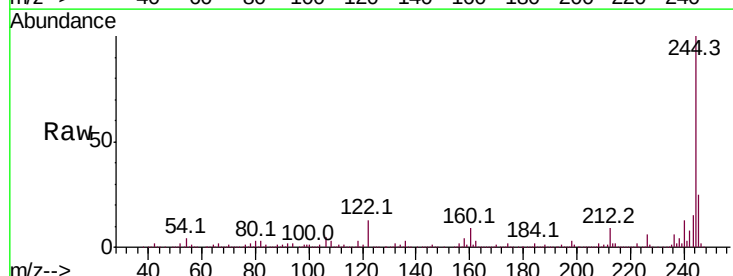
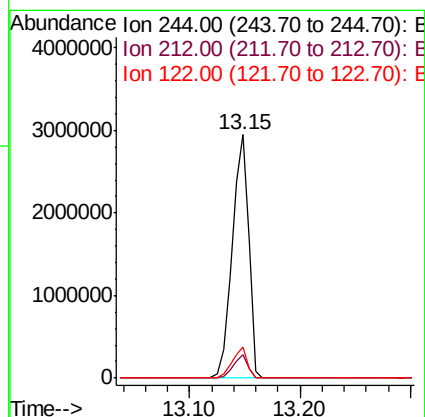
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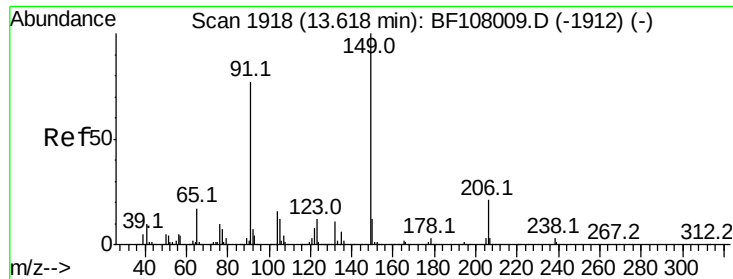
Sohil
8/9/2018 5:01:46 PM



#78
Terphenyl-d14
Concen: 77.362 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.4	5.4	8.0#
122	12.6	11.0	16.4





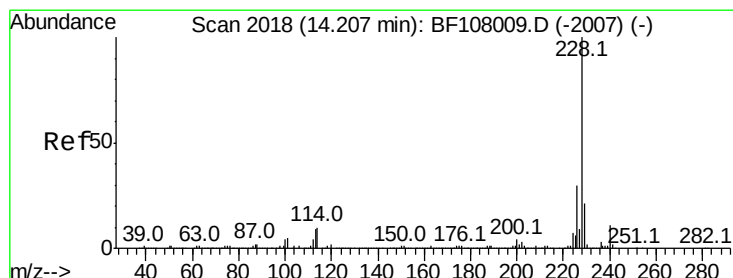
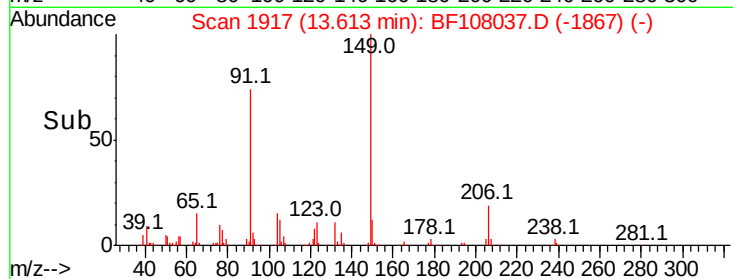
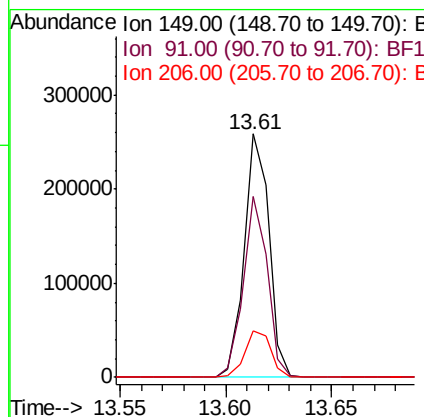
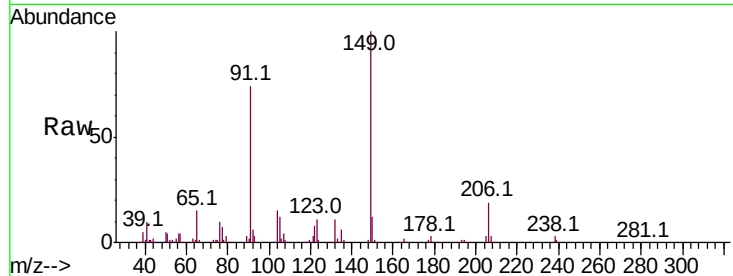
#79
Butylbenzylphthalate
Concen: 8.219 ng
RT: 13.61 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	208840		
91	74.2	56.8	85.2	
206	19.1	14.1	21.1	

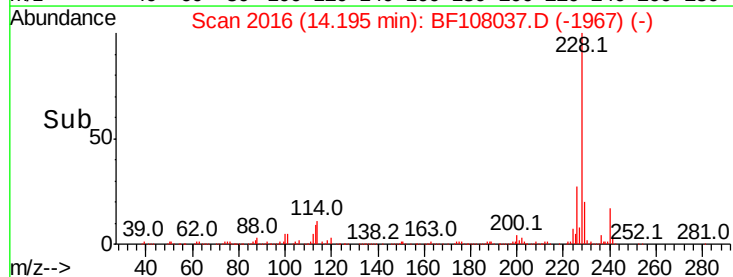
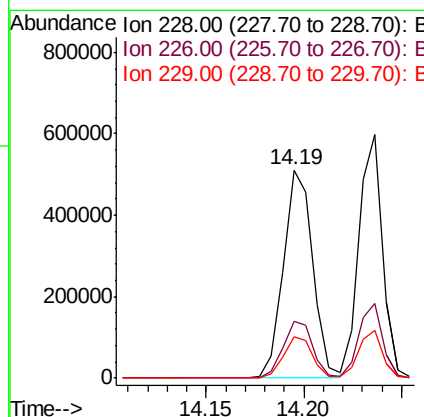
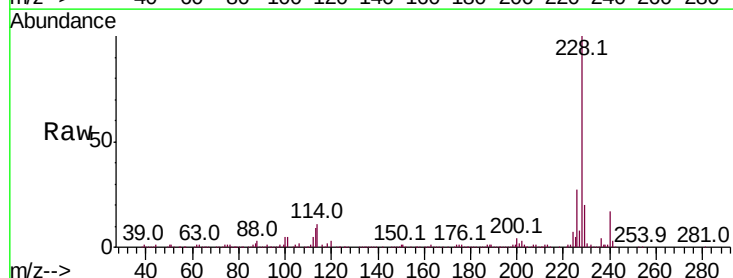
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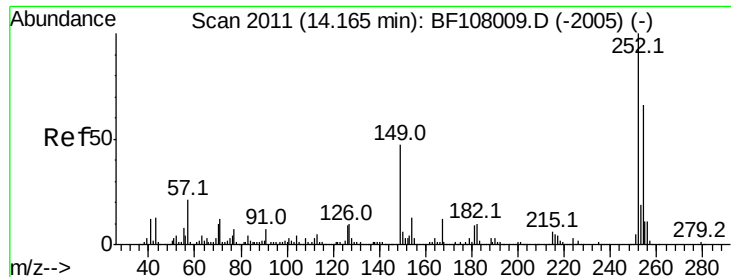
Sohil
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#80
Benzo(a)anthracene
Concen: 9.194 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	533306		
226	27.4	22.6	33.8	
229	20.2	15.8	23.6	





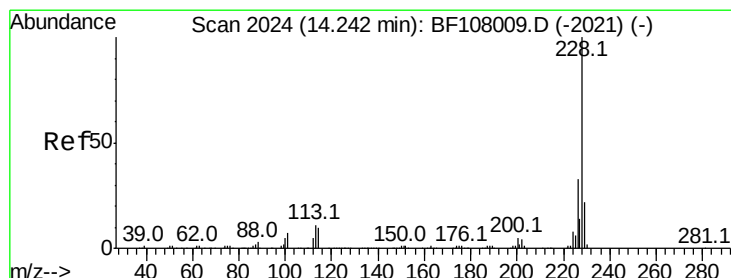
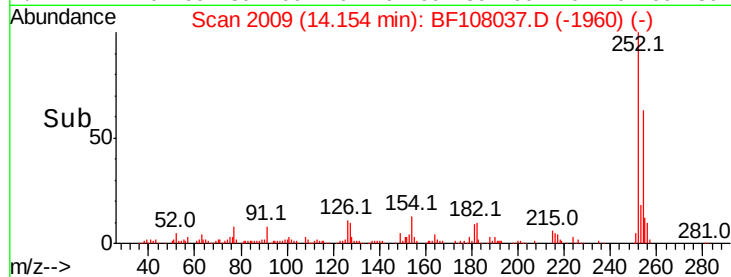
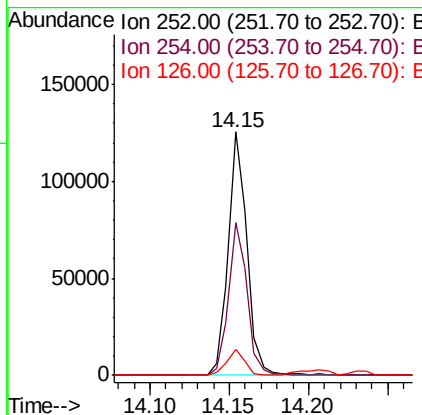
#81
 3,3'-Dichlorobenzidine
 Concen: 4.919 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	102264		
254	62.9	50.4	75.6	
126	10.6	11.3	16.9	

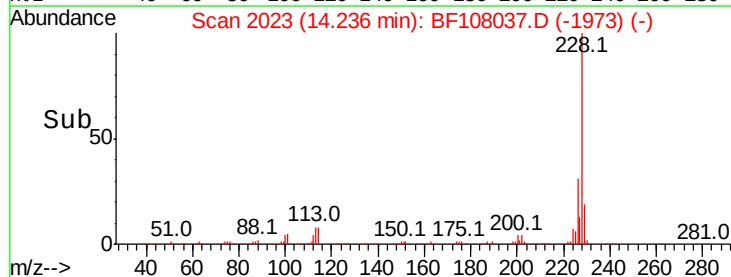
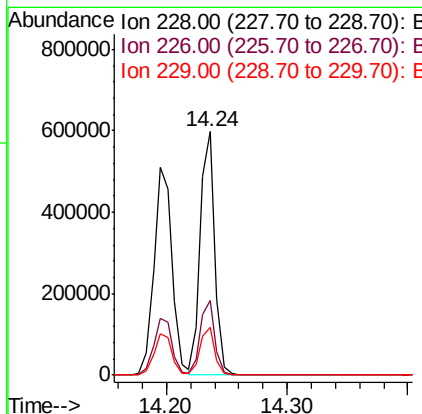
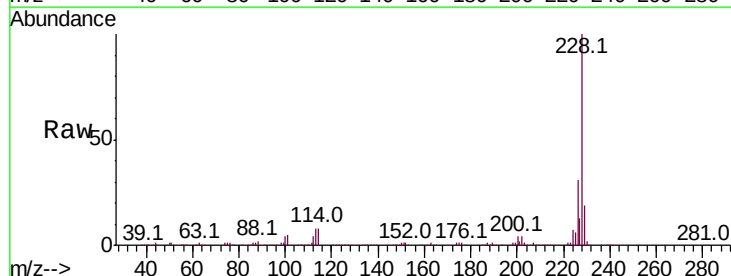
Manual Integrations
 APPROVED

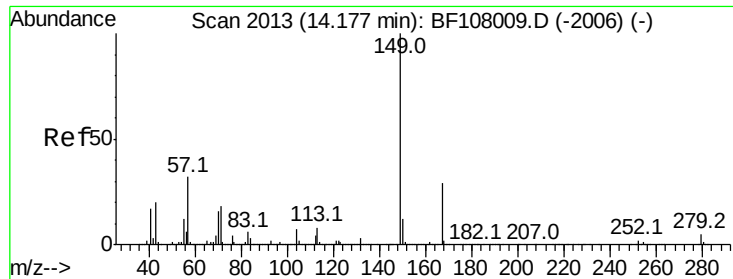
Sohil
 8/9/2018 5:01:46 PM



#82
 Chrysene
 Concen: 9.445 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	502262		
226	30.7	25.0	37.6	
229	19.5	16.2	24.4	





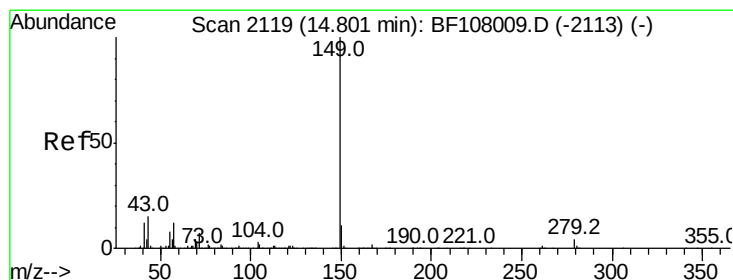
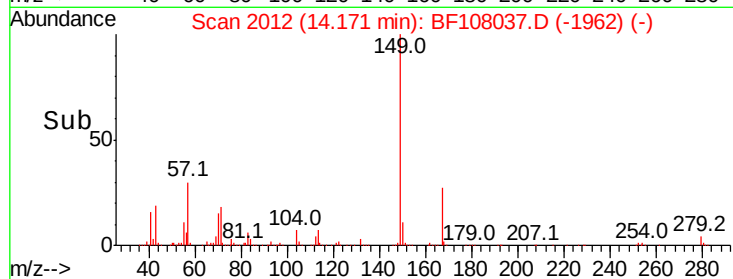
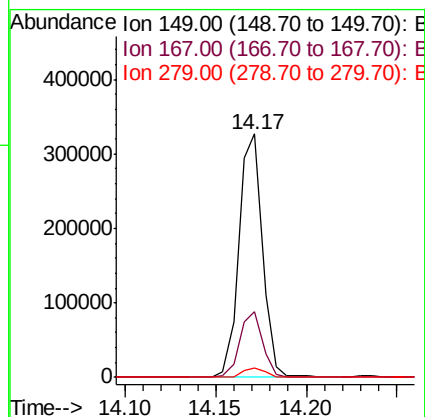
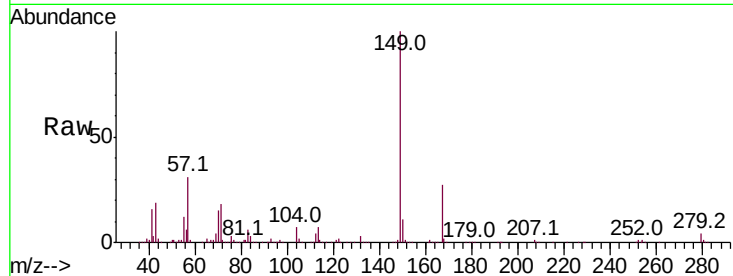
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.588 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	295501		
167	27.0		21.3	31.9
279	3.9		3.0	4.4

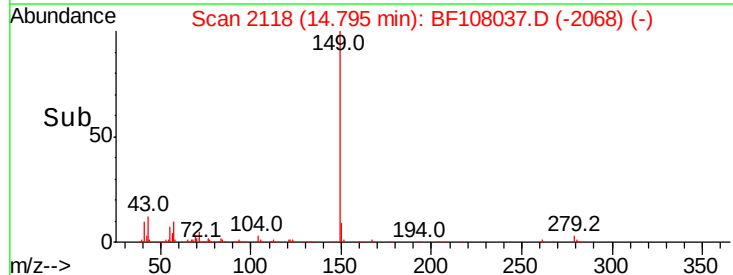
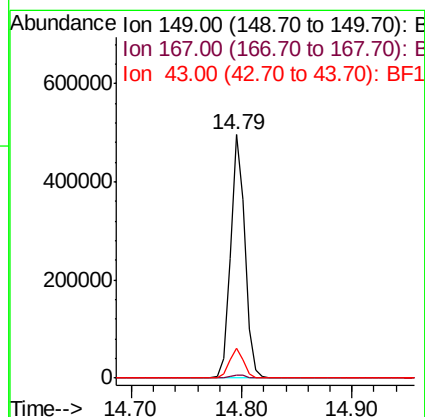
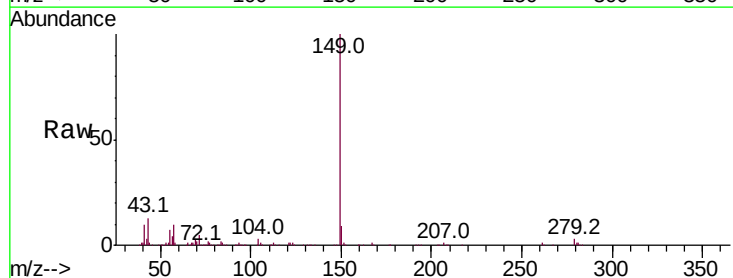
Manual Integrations
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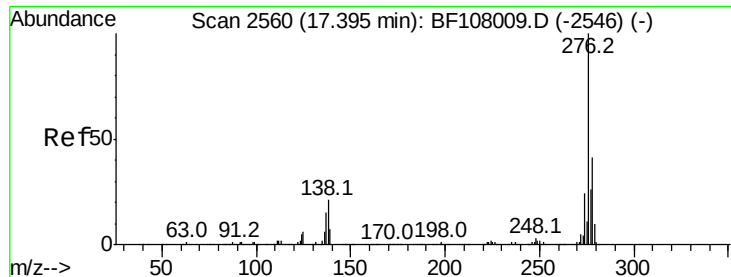
Sohil
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#84
 Di-n-octyl phthalate
 Concen: 8.604 ng
 RT: 14.79 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: BF108037.D
 Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	451508		
167	1.4		1.2	1.8
43	12.3		8.4	12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.496 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.02 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

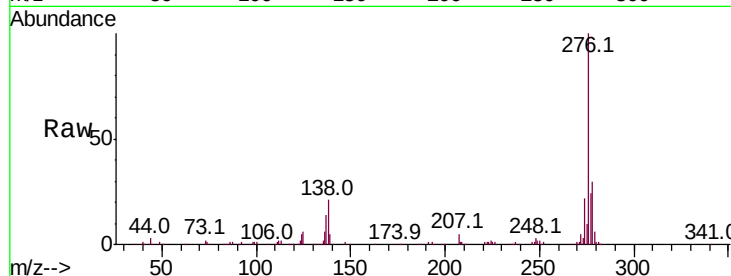
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	276	Resp:	391493
Ion Ratio	Lower	Upper	
276	100		
138	23.4	25.0	37.6#
277	24.7	20.1	30.1

Manual Integrations
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8/9/2018 5:01:46 PM

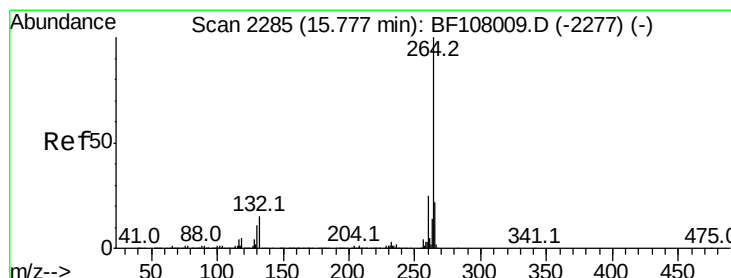
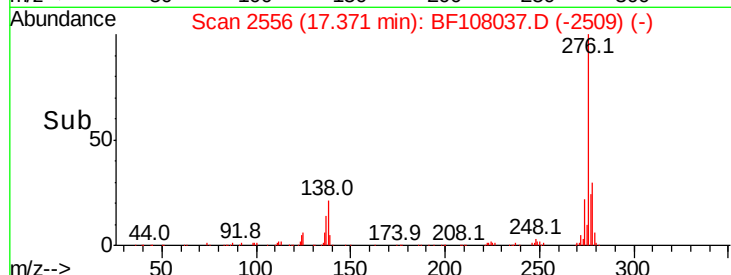
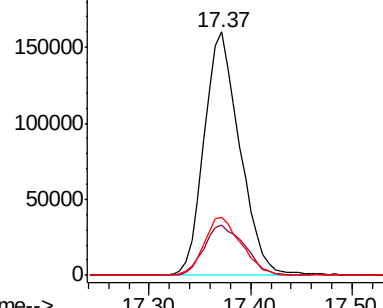


Abundance

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

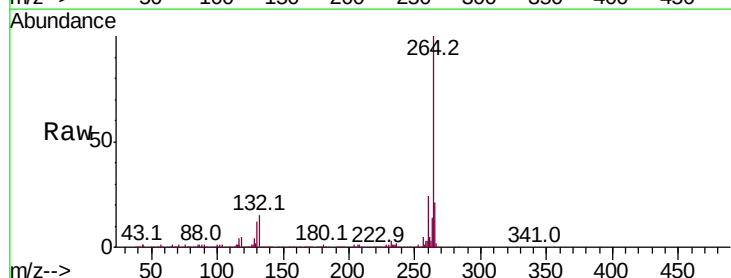
RT: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Tgt Ion:	264	Resp:	912503
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	20.5	17.5	26.3

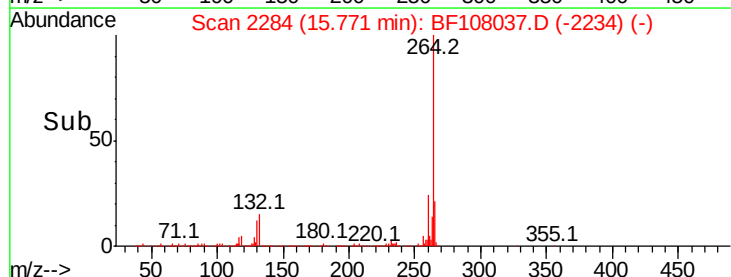
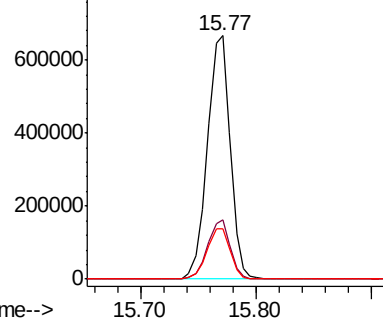


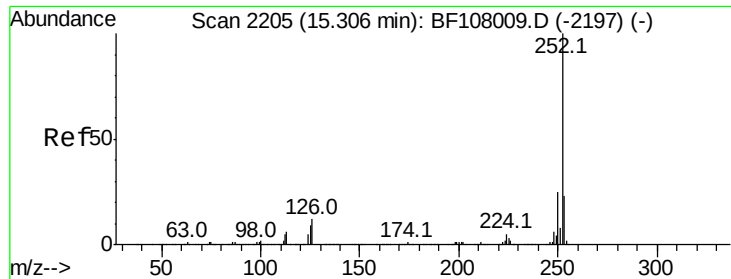
Abundance

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





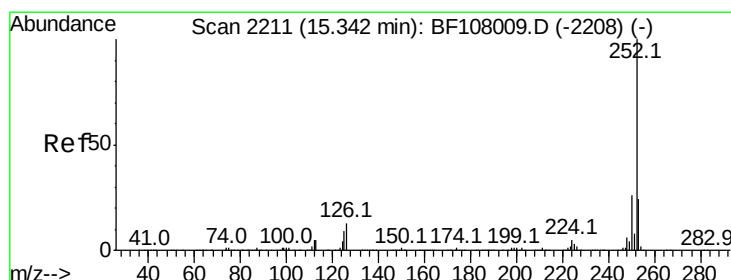
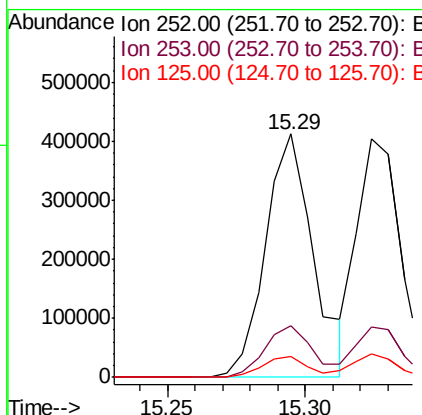
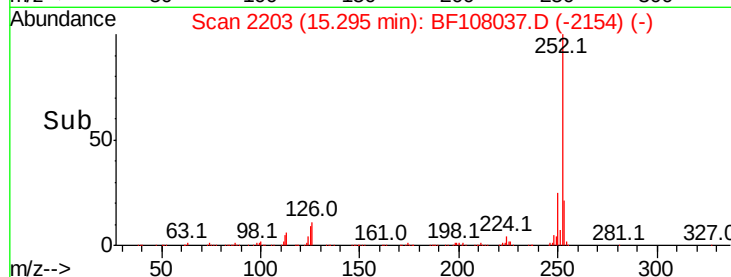
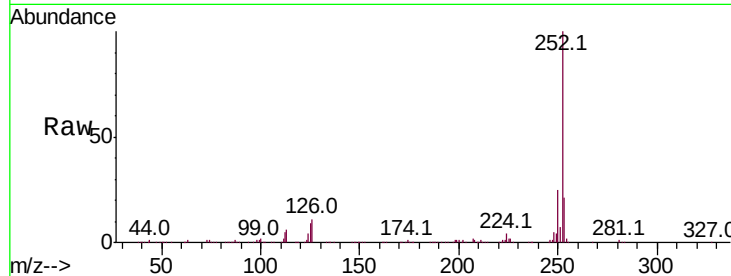
#87
Benzo(b)fluoranthene
Concen: 9.129 ng m
RT: 15.29 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	8.8	9.0	13.6#

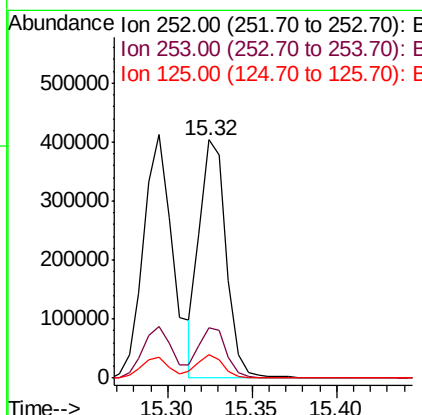
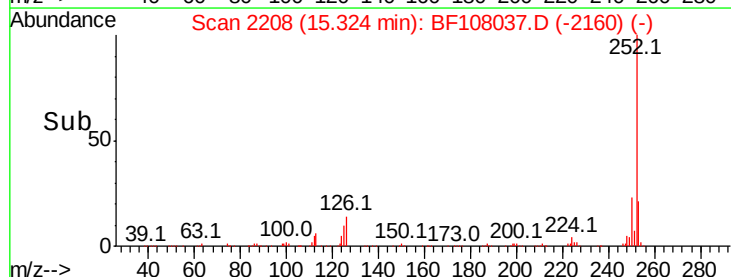
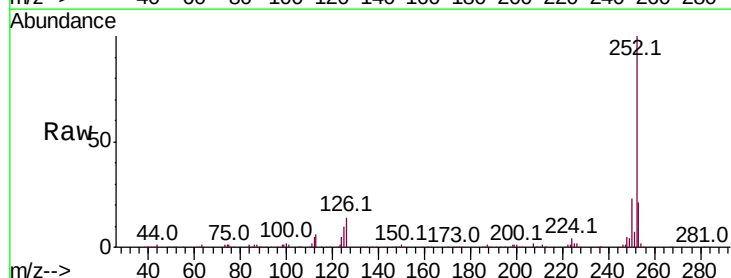
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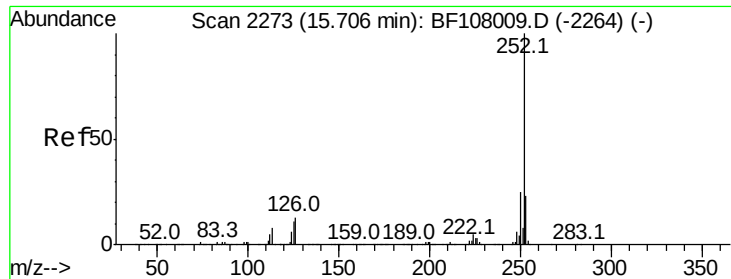
Sohil
8/9/2018 5:01:46 PM



#88
Benzo(k)fluoranthene
Concen: 8.777 ng
RT: 15.32 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	10.0	10.2	15.2#





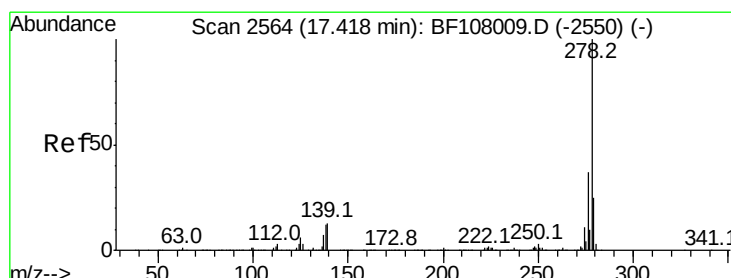
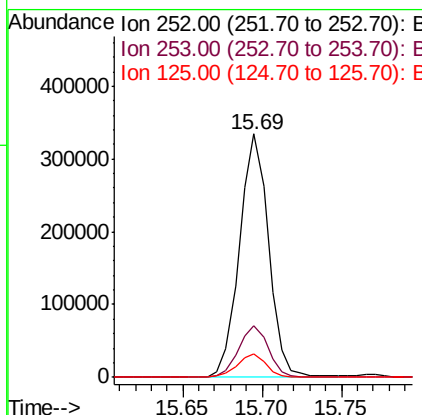
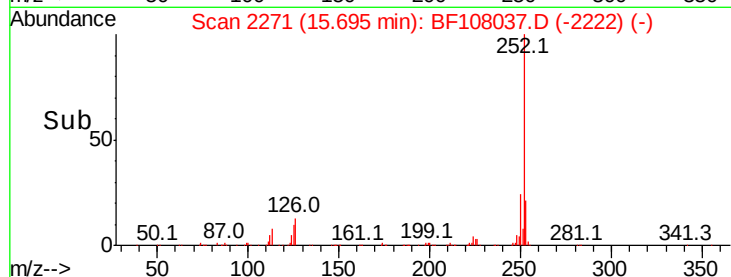
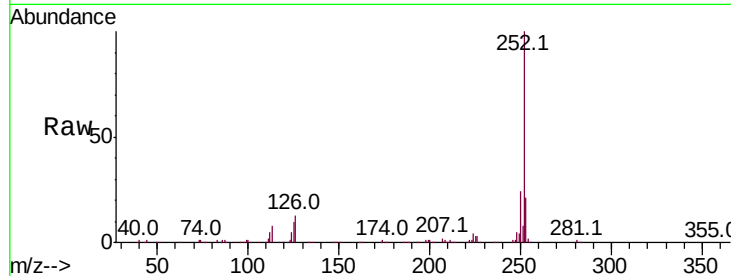
#89
Benzo(a)pyrene
Concen: 8.730 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.6	9.8	14.6

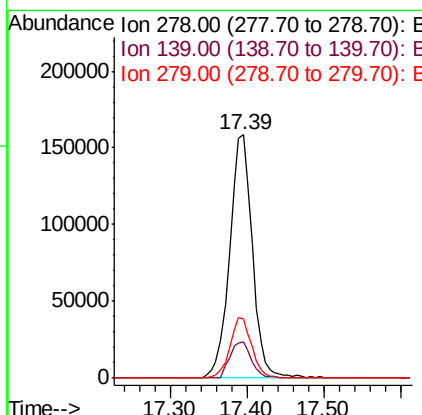
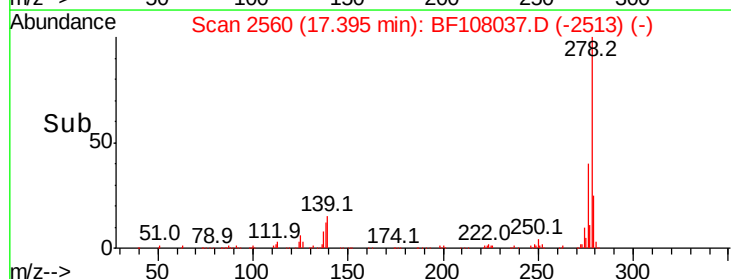
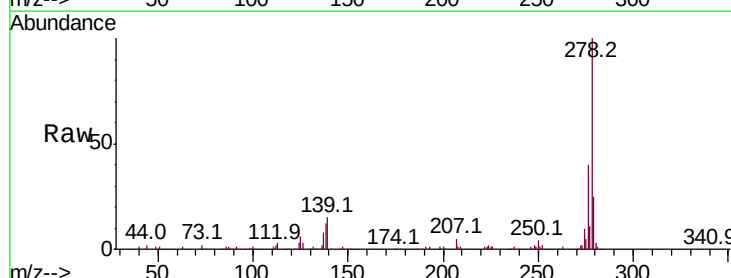
Manual Integrations
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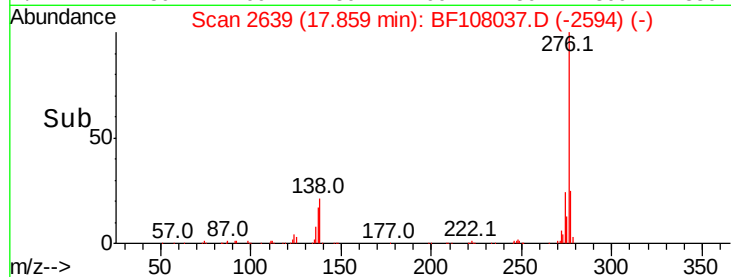
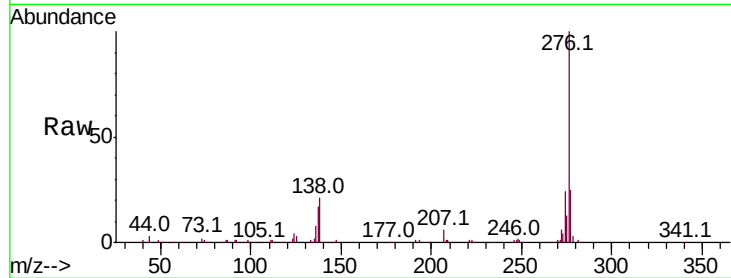
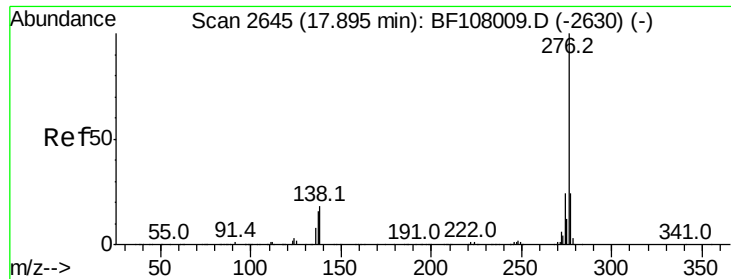
Sohil
8/9/2018 5:01:46 PM



#90
Dibenzo(a,h)anthracene
Concen: 8.134 ng
RT: 17.39 min Scan# 2560
Delta R.T. -0.02 min
Lab File: BF108037.D
Acq: 8 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	15.9	23.9
279	24.5	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 7.996 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.04 min

Lab File: BF108037.D

Acq: 8 Aug 2018 23:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.7	17.9	26.9
138	21.0	21.8	32.8#

Manual Integrations
APPROVED

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8/9/2018 5:01:46 PM

