

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103193.D
 Acq On : 23 Feb 2018 12:25
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL-S-8ppm
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Manual Integrations
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Sohil
 2/26/2018 9:54:36 AM

Quant Time: Feb 23 12:55:09 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	173095	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	763415	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	353890	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	604884	20.00	ng	0.00
75) Chrysene-d12	14.07	240	453170	20.00	ng	0.02
86) Perylene-d12	15.60	264	433284	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1282471	112.06	ng	0.00
7) Phenol-d6	6.50	99	1569851	112.10	ng	0.00
23) Nitrobenzene-d5	7.44	82	1177826	88.11	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	343717	114.75	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1753046	85.42	ng	0.00
78) Terphenyl-d14	12.99	244	1406746	74.62	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	45502	7.528	ng	94
3) Pyridine	3.53	79	120229m	7.450	ng	
4) n-Nitrosodimethylamine	3.38	42	49337m	7.581	ng	
6) Aniline	6.54	93	169147	8.369	ng	98
8) 2-Chlorophenol	6.66	128	96088	8.082	ng	97
9) Benzaldehyde	6.43	77	56939	4.914	ng	100
10) Phenol	6.52	94	131503	8.089	ng	96
11) bis(2-Chloroethyl)ether	6.60	93	104454	8.465	ng	91
12) 1,3-Dichlorobenzene	6.81	146	113212	8.332	ng	99
13) 1,4-Dichlorobenzene	6.89	146	114761	8.425	ng	99
14) 1,2-Dichlorobenzene	7.04	146	104016	8.281	ng	96
15) Benzyl Alcohol	7.01	79	101899	9.656	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.14	45	176047	8.308	ng	99
17) 2-Methylphenol	7.12	107	89223	8.258	ng	98
18) Hexachloroethane	7.38	117	41423	8.353	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	81277	9.325	ng	92
20) 3+4-Methylphenols	7.27	107	117038	8.886	ng	# 37
22) Acetophenone	7.27	105	158283	8.883	ng	# 90
24) Nitrobenzene	7.45	77	121552	8.259	ng	95
25) Isophorone	7.69	82	211620	8.038	ng	97
26) 2-Nitrophenol	7.77	139	52080	7.517	ng	96
27) 2,4-Dimethylphenol	7.80	122	78250	7.389	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	126981	8.203	ng	98
29) 2,4-Dichlorophenol	8.01	162	78934	7.785	ng	97
30) 1,2,4-Trichlorobenzene	8.09	180	86920	8.050	ng	99
31) Naphthalene	8.17	128	312720	8.367	ng	99
32) Benzoic acid	7.89	122	45954	11.920	ng	98
33) 4-Chloroaniline	8.23	127	128468	7.965	ng	98
34) Hexachlorobutadiene	8.29	225	45575	8.105	ng	98
35) Caprolactam	8.57	113	26493	7.434	ng	# 85
36) 4-Chloro-3-methylphenol	8.70	107	90579	7.920	ng	94
37) 2-Methylnaphthalene	8.86	142	208891	8.648	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	79696	8.238	ng	99
40) Hexachlorocyclopentadiene	9.02	237	7918	10.946	ng	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	50484	7.755	ng	98
43) 2,4,5-Trichlorophenol	9.19	196	55137	7.364	ng	99
45) 1,1'-Biphenyl	9.33	154	261751	8.827	ng	98
46) 2-Chloronaphthalene	9.36	162	194876	8.307	ng	97
47) 2-Nitroaniline	9.45	65	67876	7.811	ng	88
48) Acenaphthylene	9.77	152	310626	8.605	ng	98
49) Dimethylphthalate	9.62	163	233220	8.215	ng	99
50) 2,6-Dinitrotoluene	9.69	165	47881	8.037	ng	96
51) Acenaphthene	9.94	154	181873	8.641	ng	99
52) 3-Nitroaniline	9.86	138	58453	7.733	ng	99
53) 2,4-Dinitrophenol	9.98	184	8910	13.264	ng #	12
54) Dibenzofuran	10.12	168	262585	9.088	ng	99
55) 4-Nitrophenol	10.04	139	27337	5.835	ng	95
56) 2,4-Dinitrotoluene	10.10	165	61225	8.126	ng	95
57) Fluorene	10.46	166	209512	8.512	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.23	232	38942	7.742	ng	93
59) Diethylphthalate	10.32	149	232378	8.558	ng	99
60) 4-Chlorophenyl-phenylether	10.45	204	91739	8.789	ng	97
61) 4-Nitroaniline	10.47	138	55250	7.318	ng	95
62) Azobenzene	10.61	77	235415	8.518	ng	98
64) 4,6-Dinitro-2-methylphenol	10.51	198	21163	10.103	ng	85
65) n-Nitrosodiphenylamine	10.56	169	178730	8.486	ng	99
66) 4-Bromophenyl-phenylether	10.94	248	50905	8.079	ng	95
67) Hexachlorobenzene	11.01	284	55598	8.129	ng	92
68) Atrazine	11.09	200	48906	7.726	ng	98
69) Pentachlorophenol	11.20	266	19495	5.895	ng	93
70) Phenanthrene	11.42	178	287774	8.645	ng	98
71) Anthracene	11.47	178	293105	8.587	ng	99
72) Carbazole	11.63	167	285171	8.389	ng	100
73) Di-n-butylphthalate	11.95	149	357981	8.416	ng	99
74) Fluoranthene	12.62	202	278605	8.329	ng	99
76) Benzidine	12.73	184	72934	4.305	ng #	93
77) Pyrene	12.84	202	289383	8.190	ng	99
79) Butylbenzylphthalate	13.46	149	142498	7.634	ng	95
80) Benzo(a)anthracene	14.06	228	227211	7.727	ng	99
81) 3,3'-Dichlorobenzidine	14.02	252	78501	7.481	ng	98
82) Chrysene	14.10	228	225718	7.906	ng	97
83) Bis(2-ethylhexyl)phthalate	14.03	149	202771	8.049	ng #	99
84) Di-n-octyl phthalate	14.69	149	317108	7.791	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	194508	8.606	ng	97
87) Benzo(b)fluoranthene	15.16	252	207705	7.291	ng	98
88) Benzo(k)fluoranthene	15.19	252	218407	8.142	ng	99
89) Benzo(a)pyrene	15.54	252	195945	7.702	ng #	97
90) Dibenzo(a,h)anthracene	17.13	278	157016	7.987	ng	99
91) Benzo(g,h,i)perylene	17.58	276	161284	8.395	ng	98

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

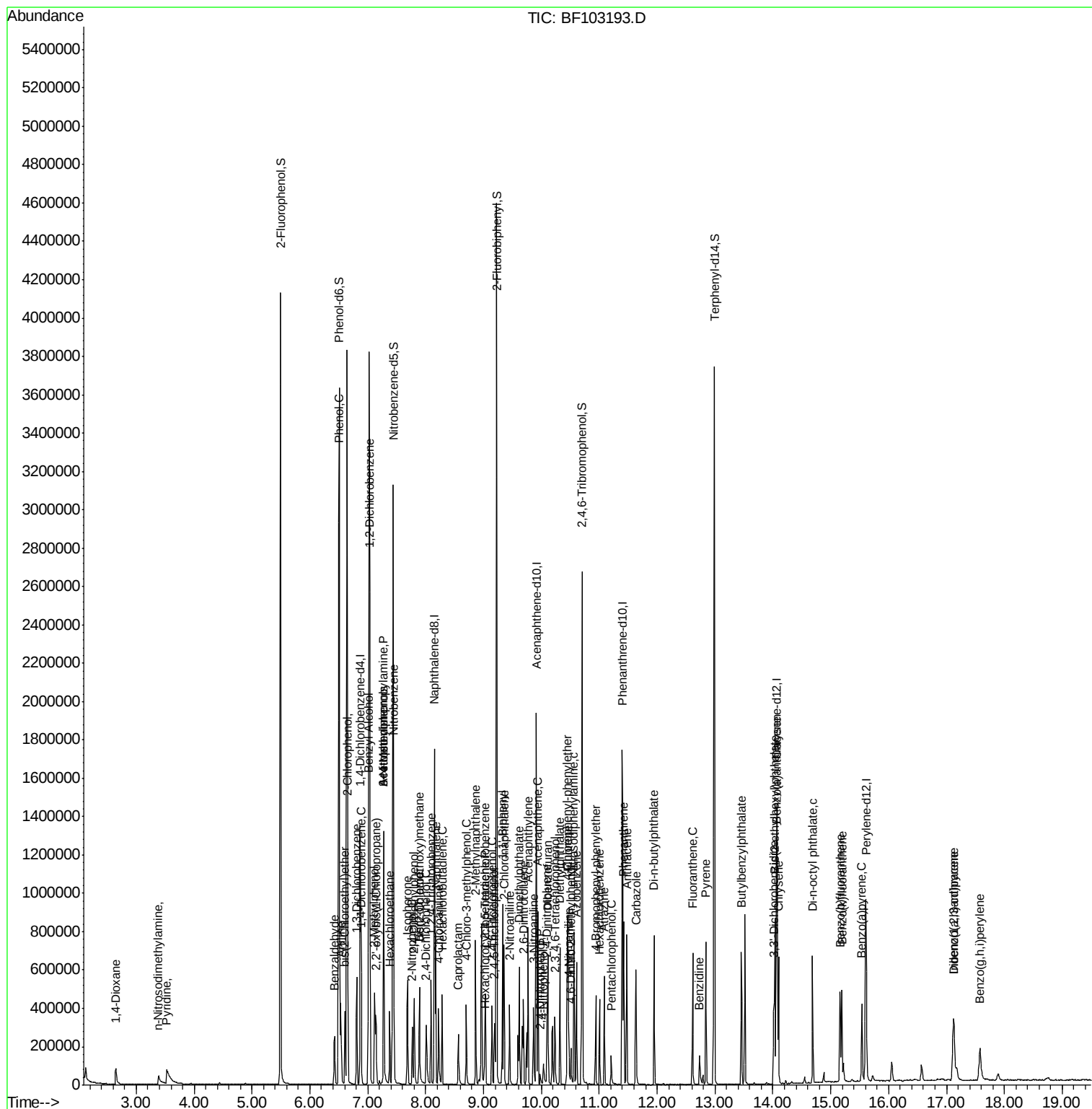
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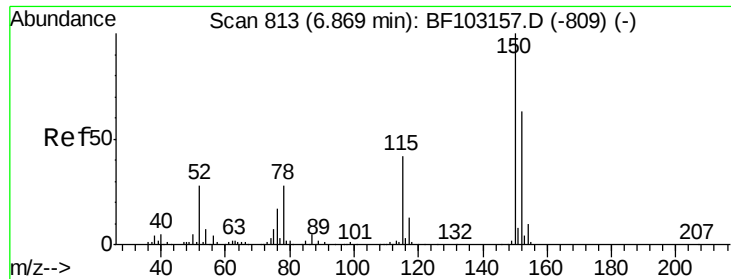
Instrument :
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ClientSampleId :
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#1

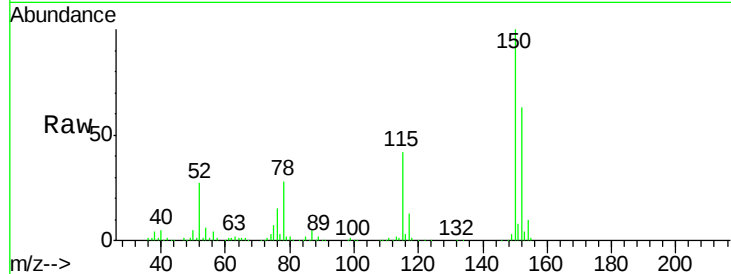
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	66.7	50.1	75.1

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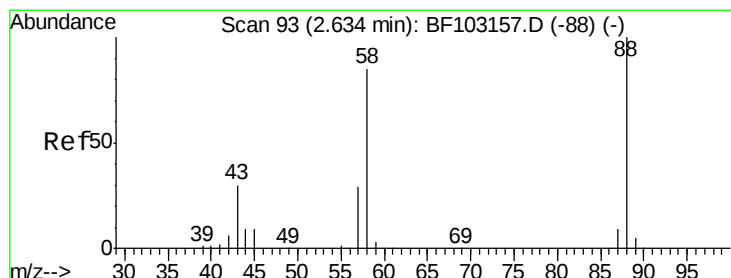
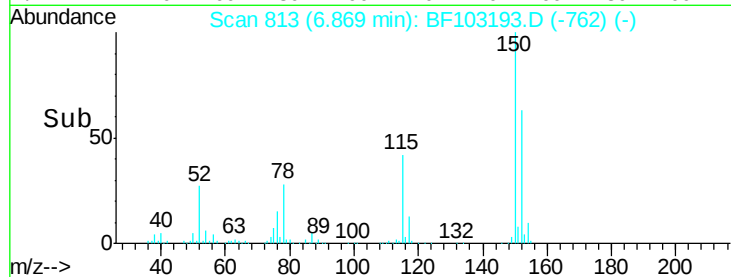
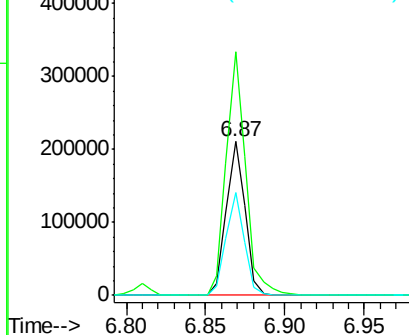


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

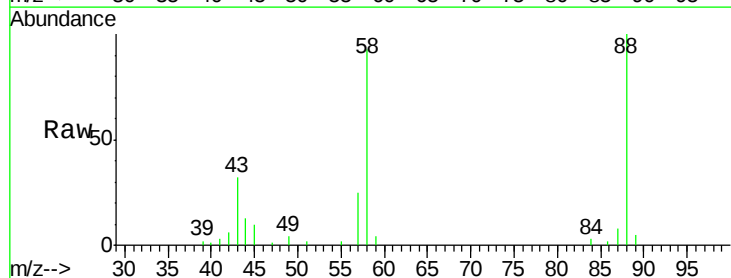
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 7.528 ng
RT: 2.65 min Scan# 95
Delta R.T. 0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.3	62.6	93.8
43	31.2	24.6	37.0

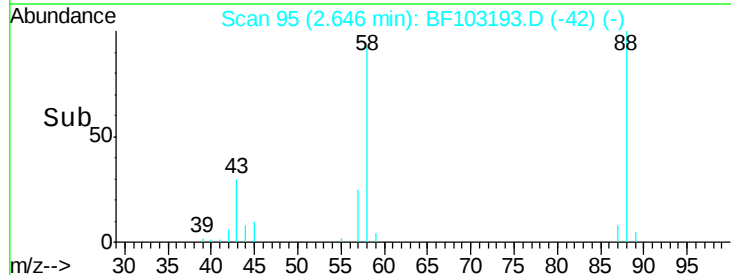
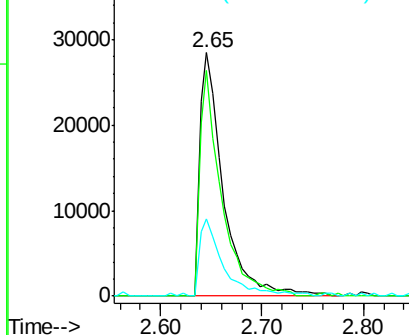


Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





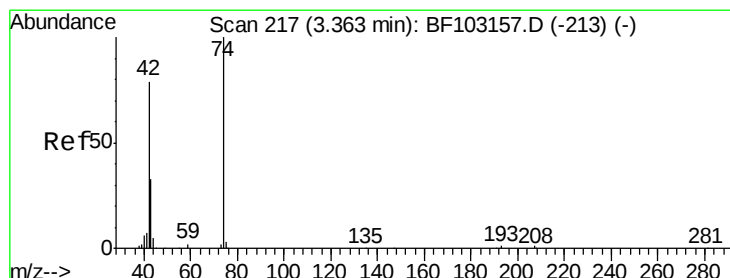
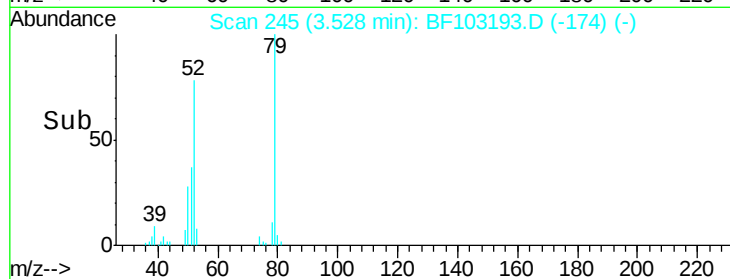
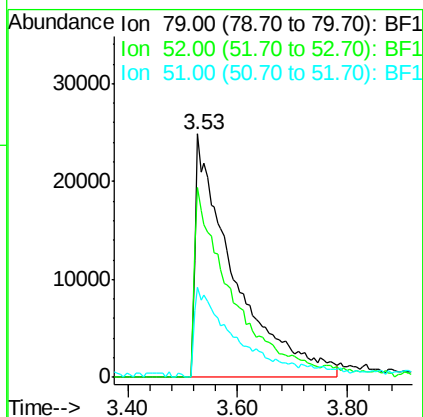
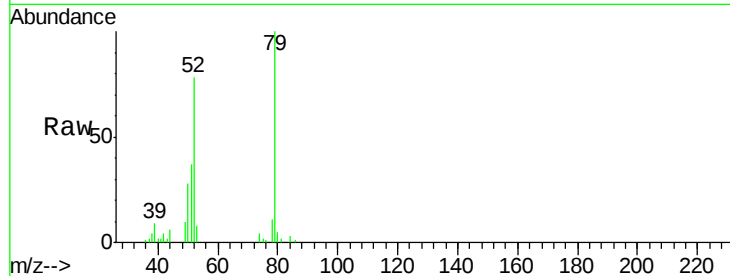
#3
 Pyridine
 Concen: 7.450 ng m
 RT: 3.53 min Scan# 245
 Delta R.T. 0.12 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
79	100		
52	77.7	59.8	89.6
51	36.9	29.8	44.8

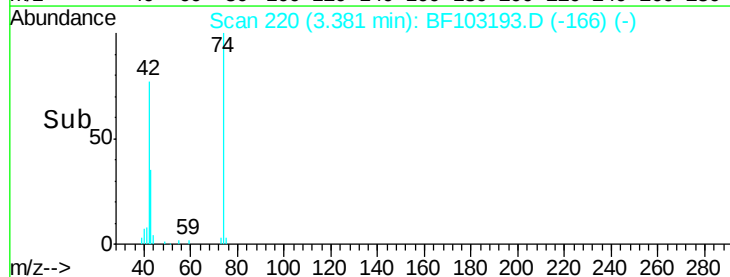
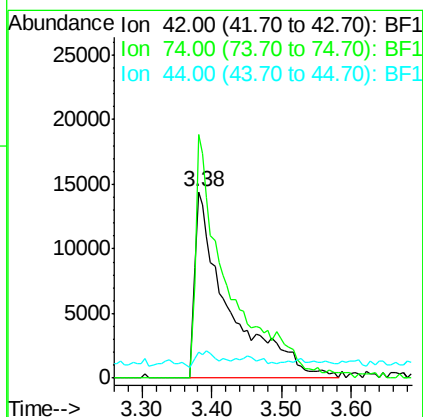
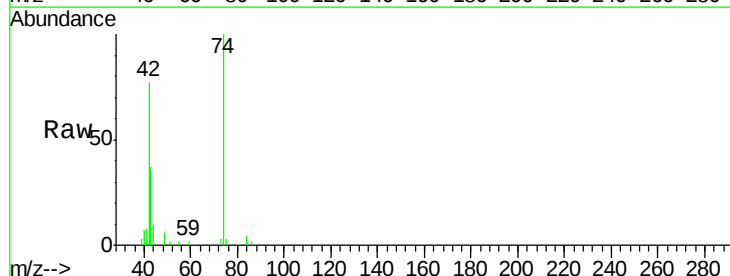
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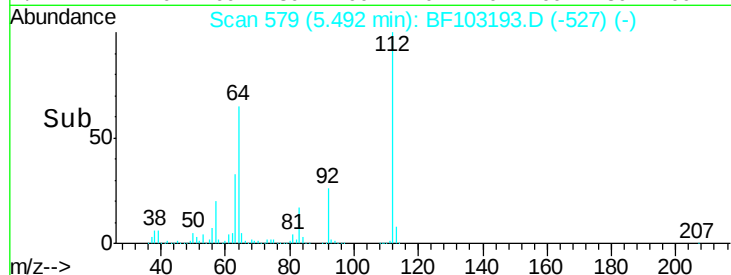
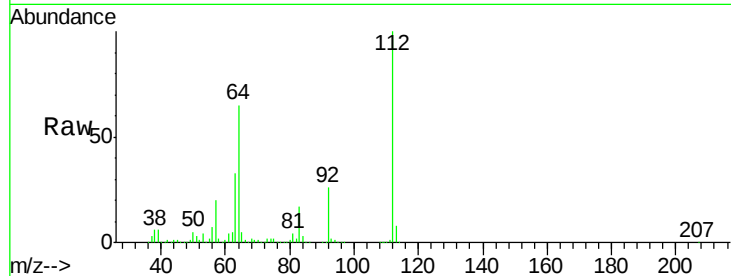
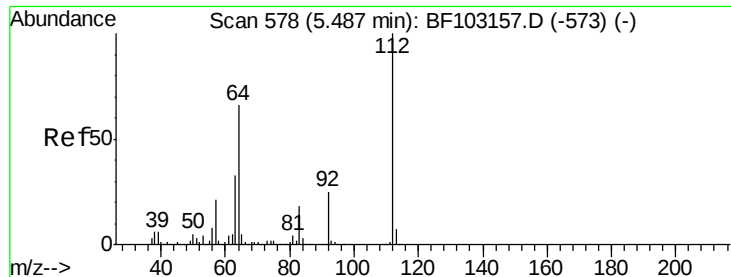
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#4
 n-Nitrosodimethylamine
 Concen: 7.581 ng m
 RT: 3.38 min Scan# 220
 Delta R.T. 0.02 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
42	100		
74	130.6	104.9	157.3
44	13.7	6.9	10.3#





#5

2-Fluorophenol

Concen: 112.057 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	112	Resp:	1282471
Ion	Ratio	Lower	Upper
112	100		
64	64.7	47.9	71.9
63	33.2	23.7	35.5

Instrument :

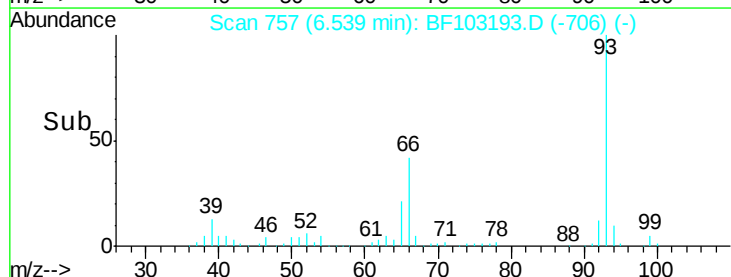
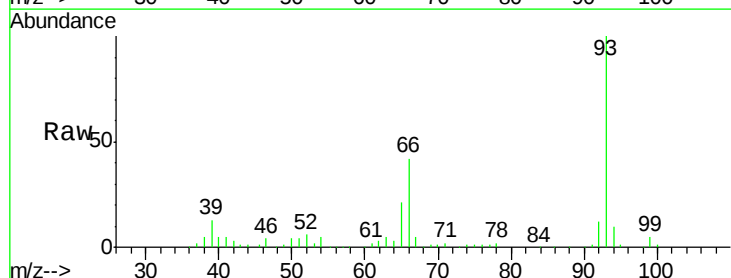
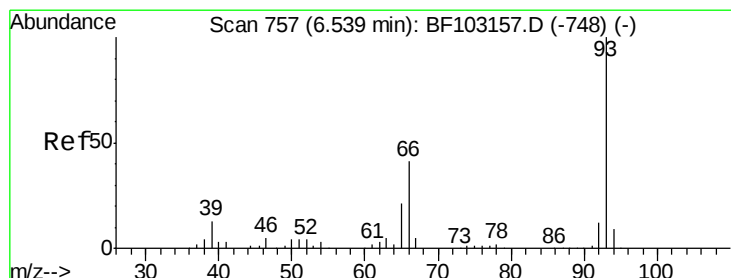
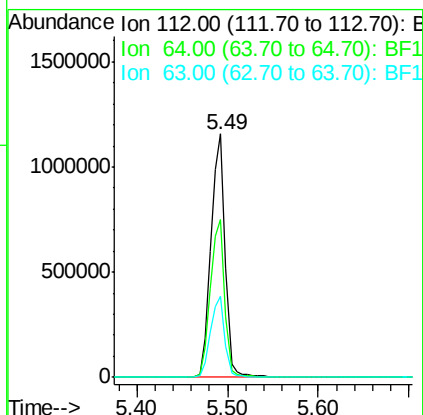
BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2018

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#6

Aniline

Concen: 8.369 ng

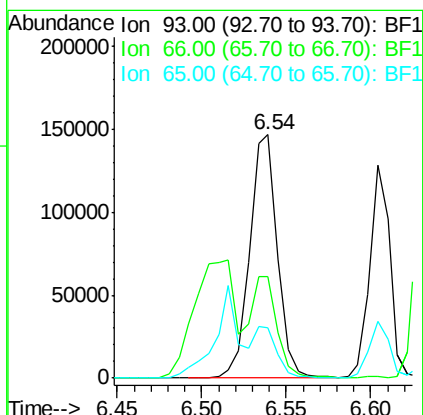
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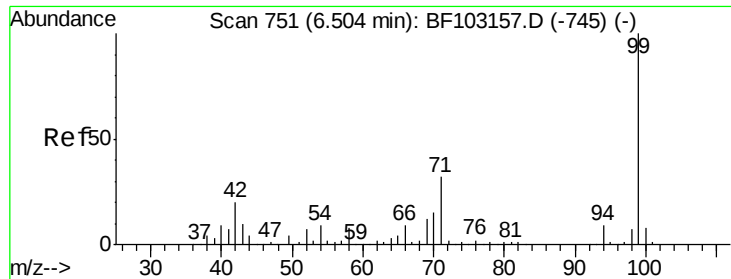
Delta R.T. -0.00 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	93	Resp:	169147
Ion	Ratio	Lower	Upper
93	100		
66	41.6	32.2	48.2
65	20.6	16.4	24.6





#7

Phenol-d6

Concen: 112.096 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

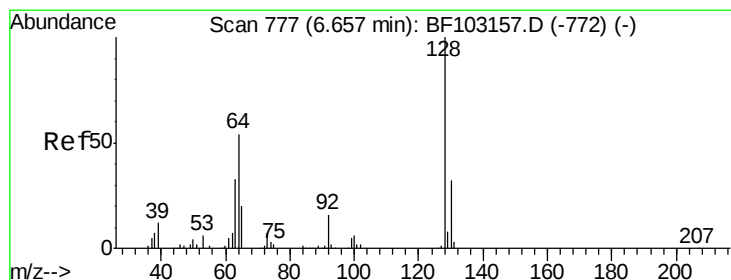
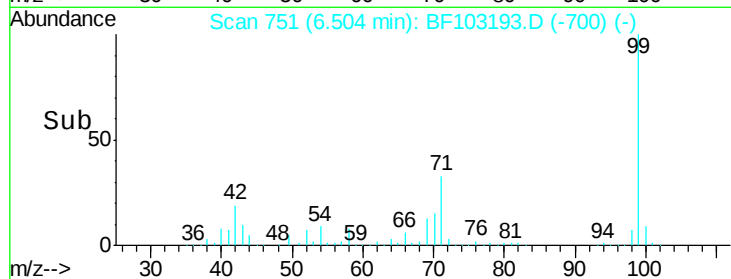
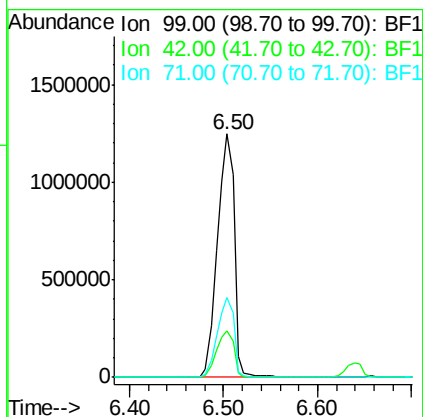
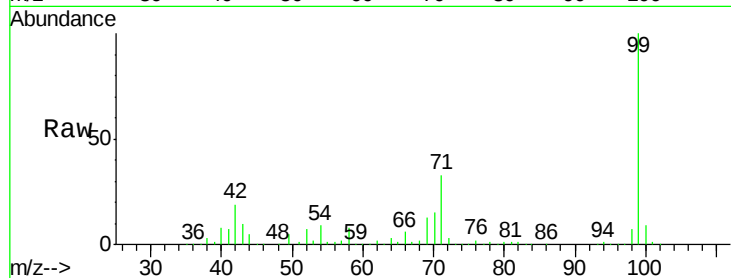
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	99	Resp:	1569851
Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.5	21.7
71	32.8	25.4	38.0

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#8

2-Chlorophenol

Concen: 8.082 ng

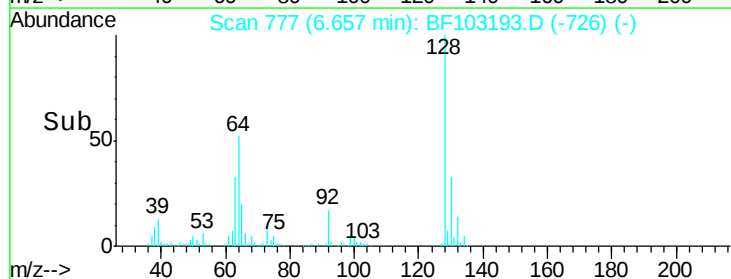
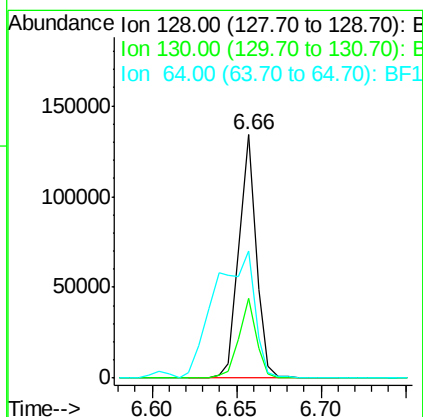
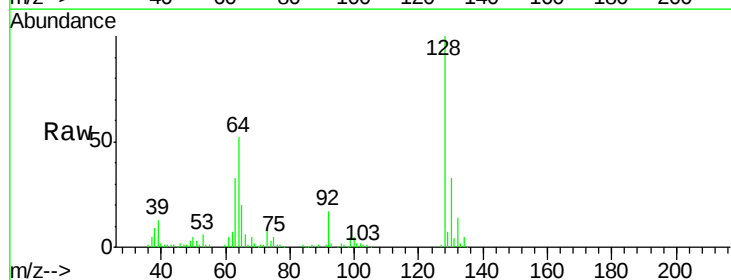
RT: 6.66 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	128	Resp:	96088
Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.0	53.0
64	52.1	29.4	69.4





#9

Benzaldehyde

Concen: 4.914 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF103193.D

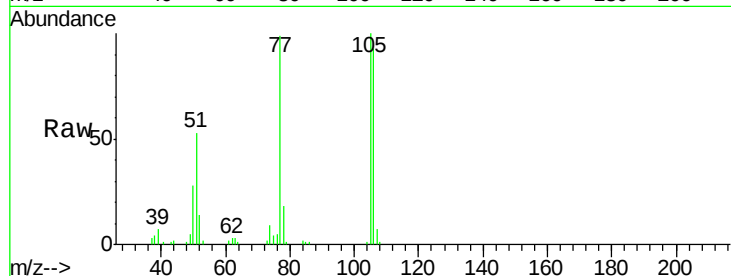
Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

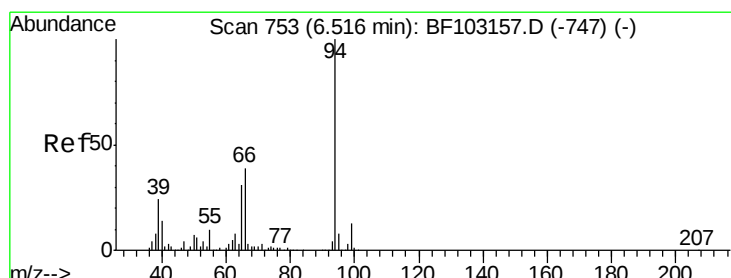
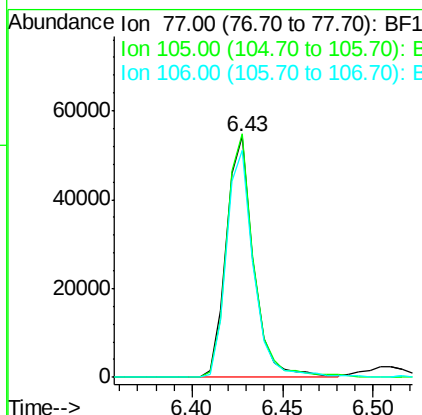
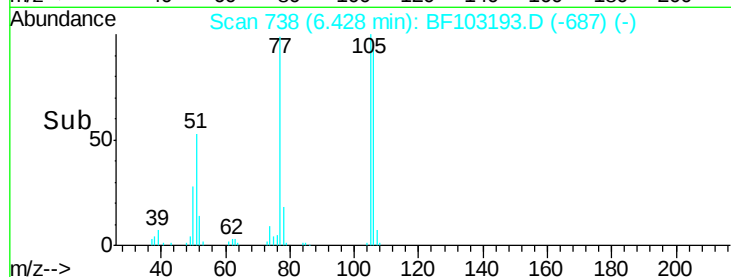
MDL-SOIL-03-QT1-2018



Tgt Ion:	77	Resp:	56939
Ion	Ratio	Lower	Upper
77	100		
105	101.0	81.1	121.1
106	94.1	74.5	114.5

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#10

Phenol

Concen: 8.089 ng

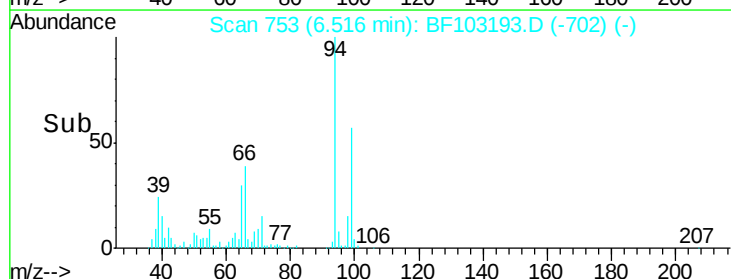
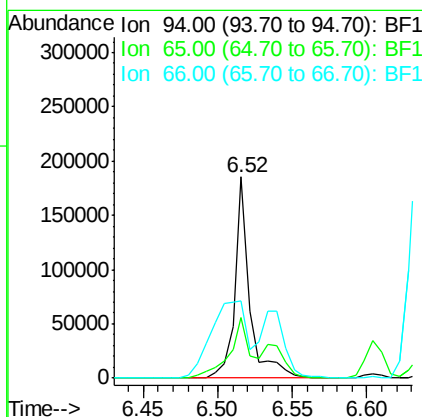
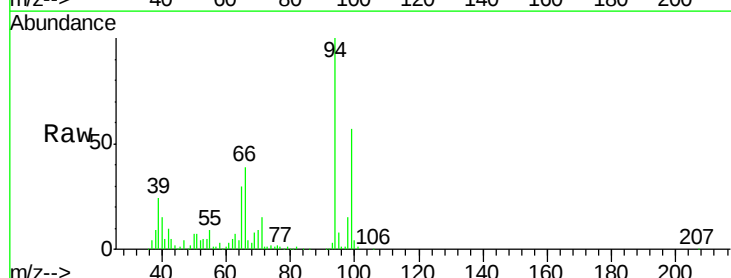
RT: 6.52 min Scan# 753

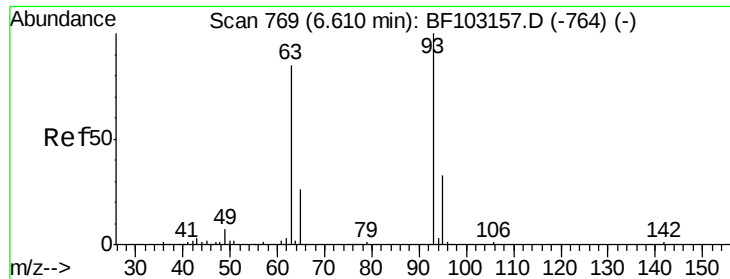
Delta R.T. -0.00 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	94	Resp:	131503
Ion	Ratio	Lower	Upper
94	100		
65	30.1	7.9	47.9
66	38.5	16.2	56.2





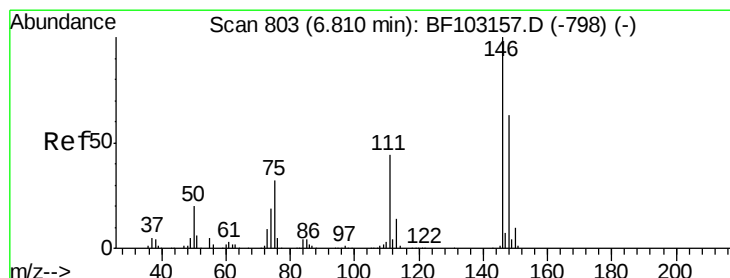
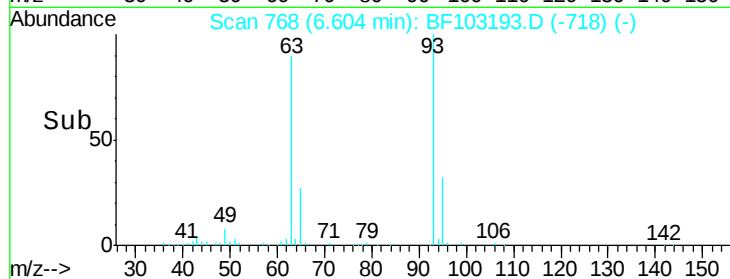
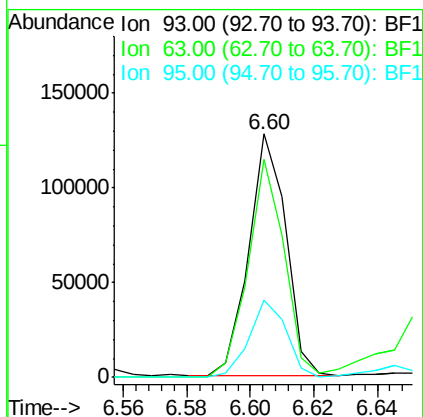
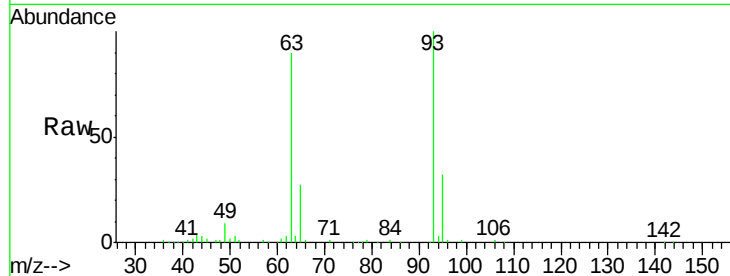
#11
bis(2-Chloroethyl)ether
Concen: 8.465 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
93	100		
63	89.5	58.6	98.6
95	31.6	11.8	51.8

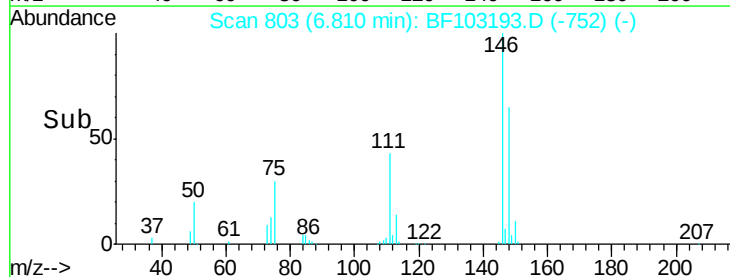
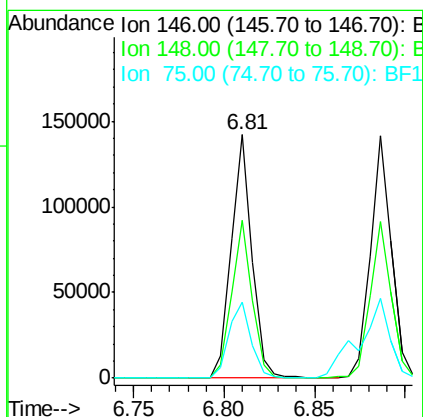
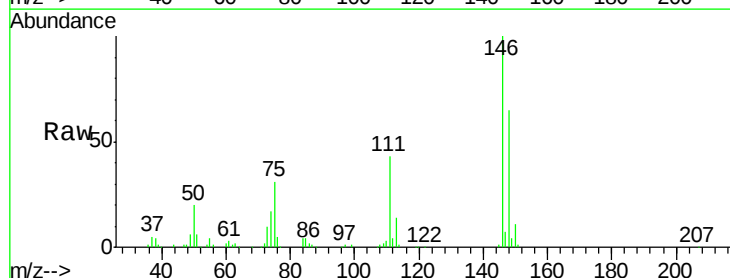
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#12
1,3-Dichlorobenzene
Concen: 8.332 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.8
75	31.2	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 8.425 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

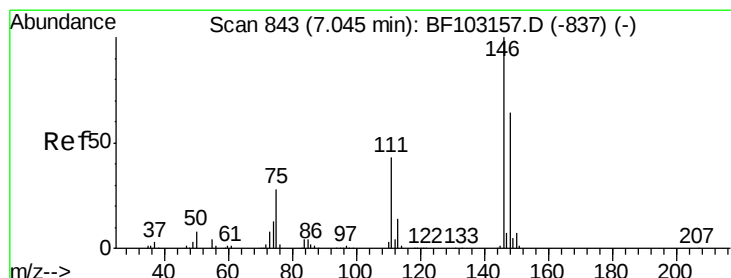
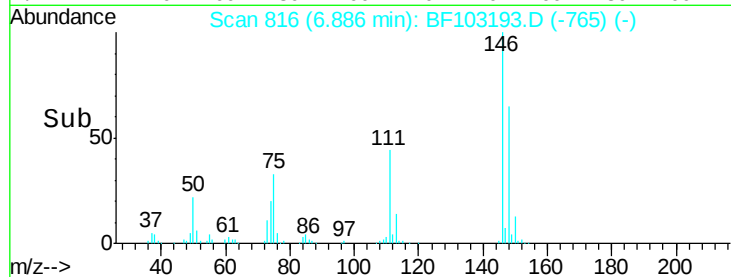
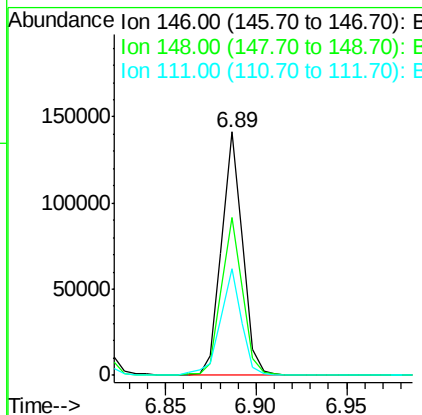
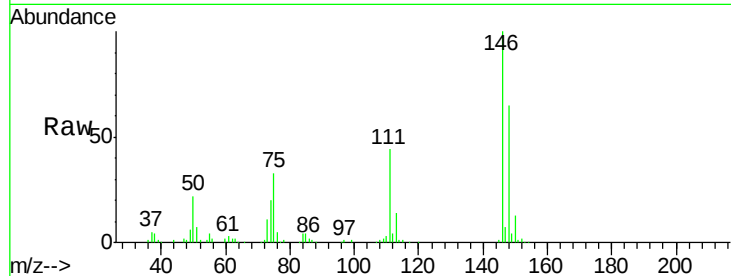
ClientSampleId :

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Tgt Ion:	146	Resp:	114761
Ion Ratio	Lower	Upper	
146	100		
148	64.6	50.8	76.2
111	43.6	34.2	51.2

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#14

1,2-Dichlorobenzene

Concen: 8.281 ng

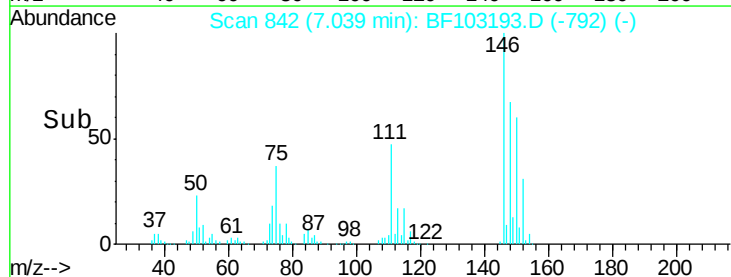
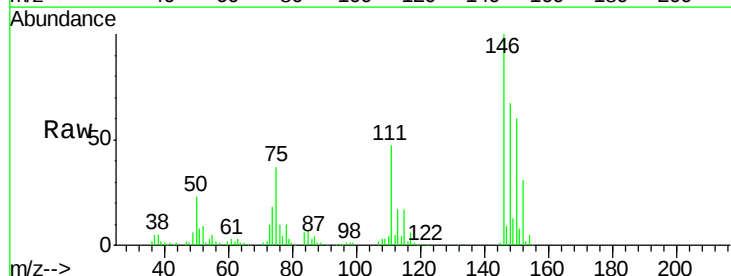
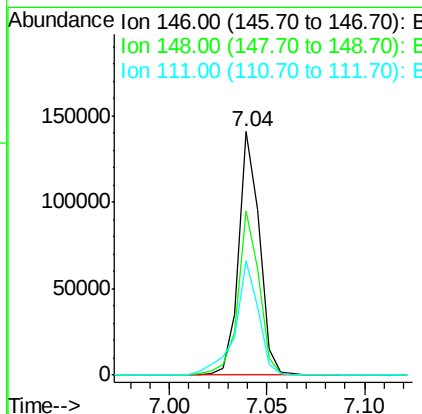
RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	146	Resp:	104016
Ion Ratio	Lower	Upper	
146	100		
148	67.3	50.6	75.8
111	47.1	36.0	54.0





#15

Benzyl Alcohol

Concen: 9.656 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

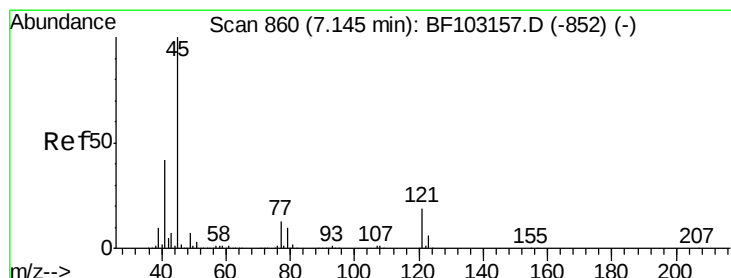
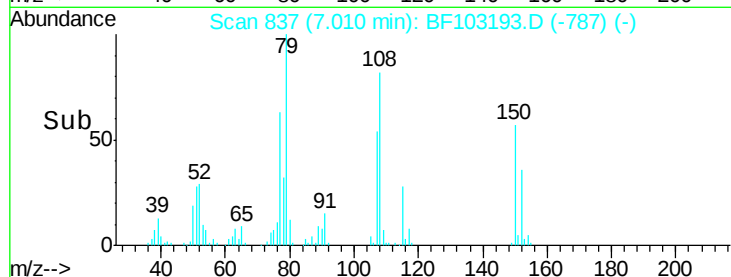
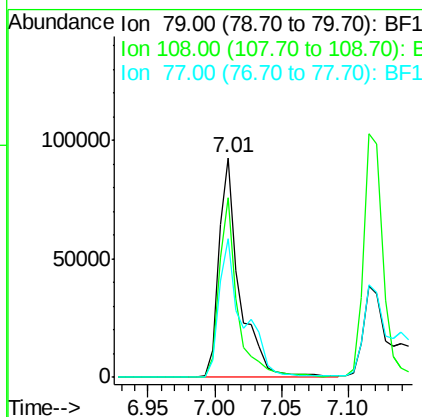
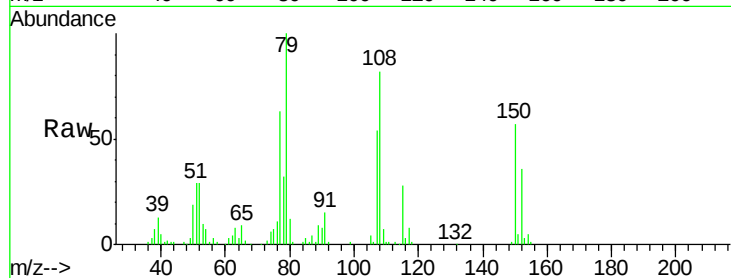
ClientSampleId :

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Tgt Ion:	79	Resp:	101899
Ion Ratio	Lower	Upper	
79	100		
108	81.7	65.1	97.7
77	63.3	50.6	75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 8.308 ng

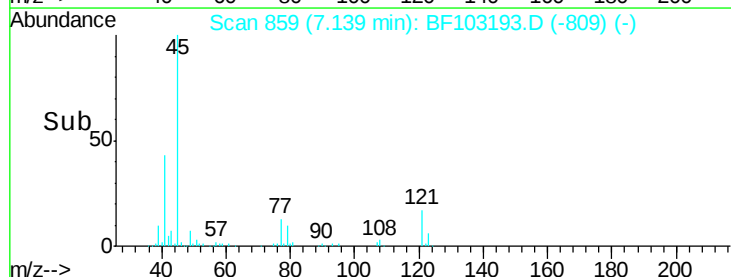
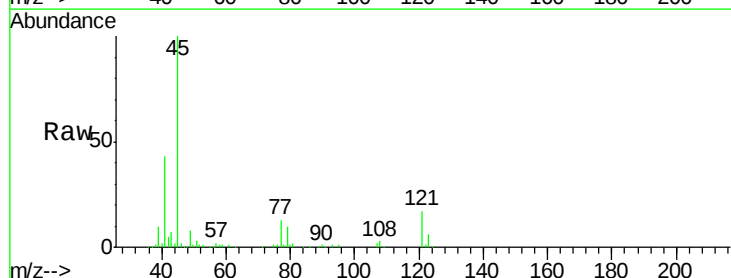
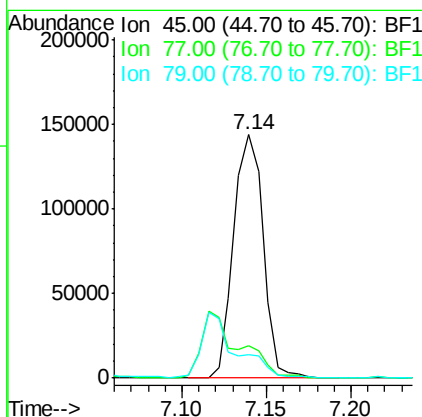
RT: 7.14 min Scan# 859

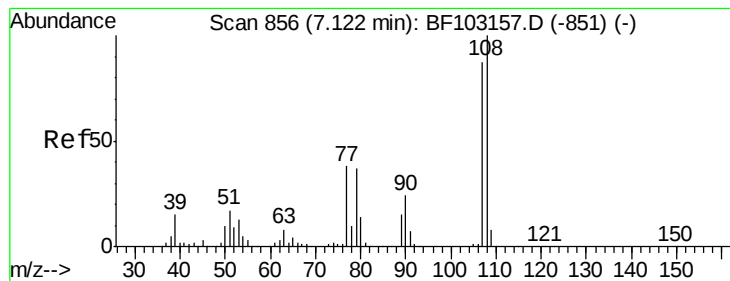
Delta R.T. -0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	45	Resp:	176047
Ion Ratio	Lower	Upper	
45	100		
77	13.4	0.0	32.9
79	9.8	0.0	29.6





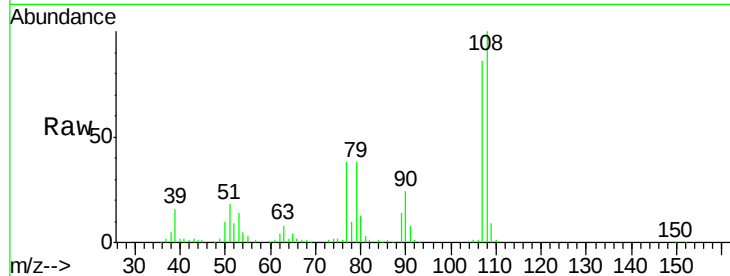
#17
2-Methylphenol
Concen: 8.258 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

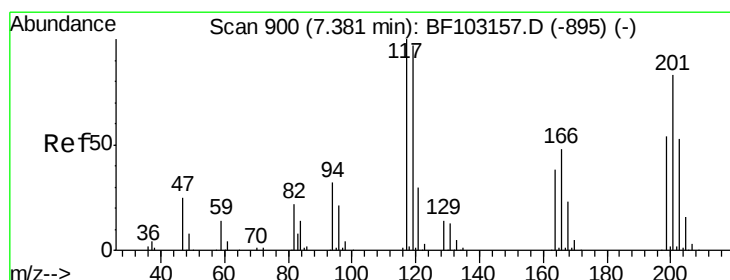
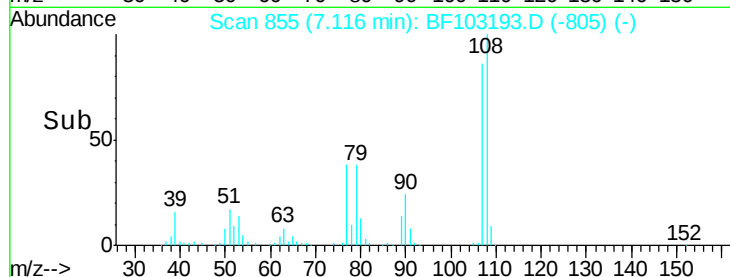
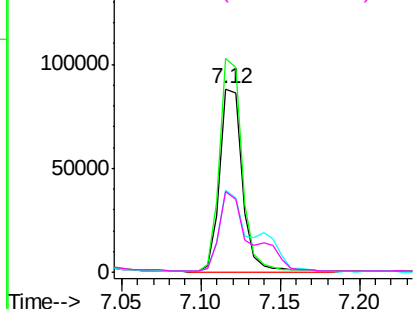
Tgt Ion:	107	Resp:	89223
Ion Ratio	Lower	Upper	
107	100		
108	116.6	91.7	137.5
77	44.6	33.8	50.8
79	43.8	33.8	50.8

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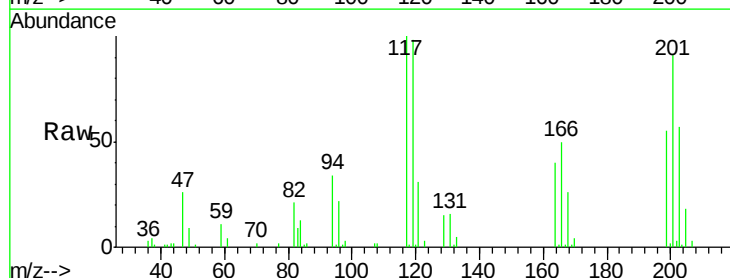


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

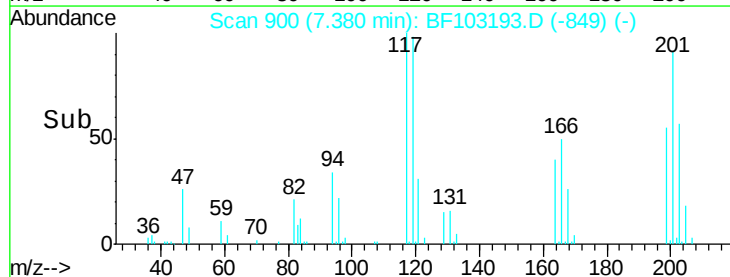
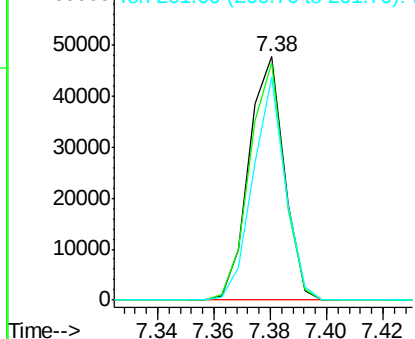


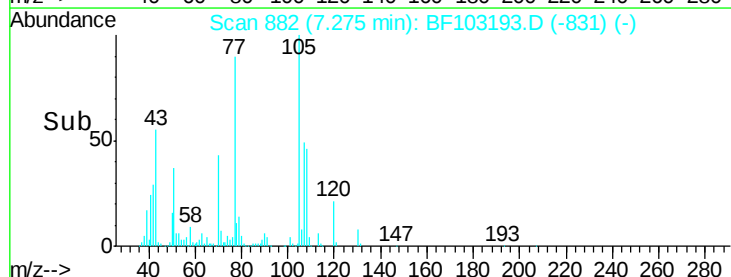
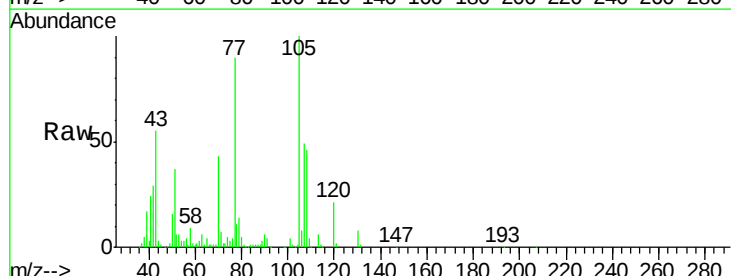
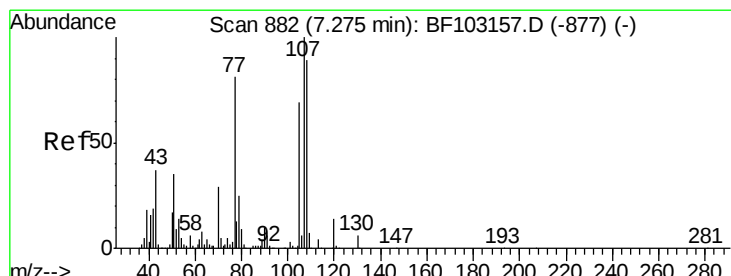
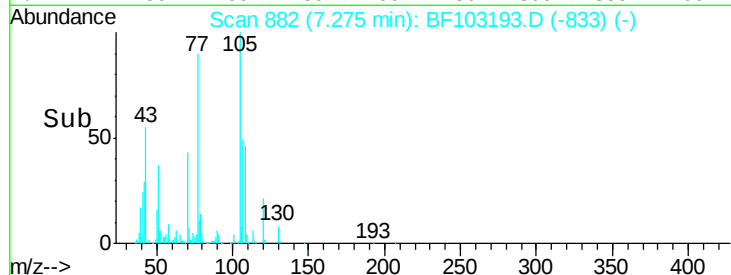
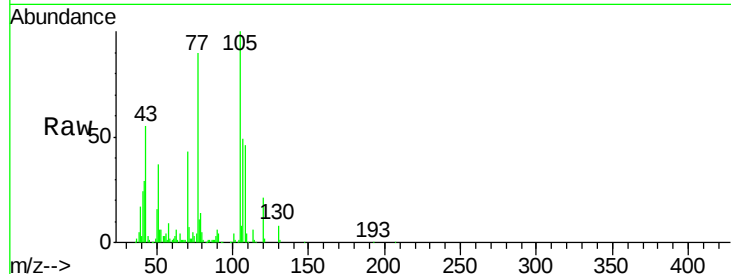
#18
Hexachloroethane
Concen: 8.353 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion:	117	Resp:	41423
Ion Ratio	Lower	Upper	
117	100		
119	97.6	75.8	113.8
201	91.5	75.7	113.5



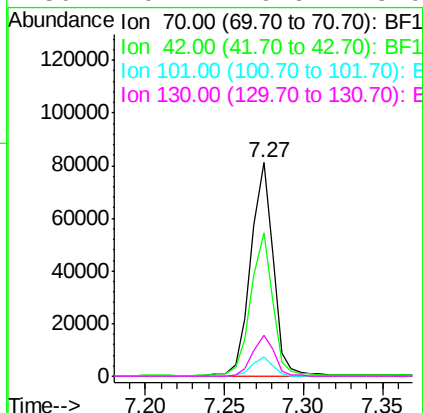
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 9.325 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
70	100		
42	67.4	47.5	71.3
101	8.9	7.4	11.2
130	19.1	16.6	25.0



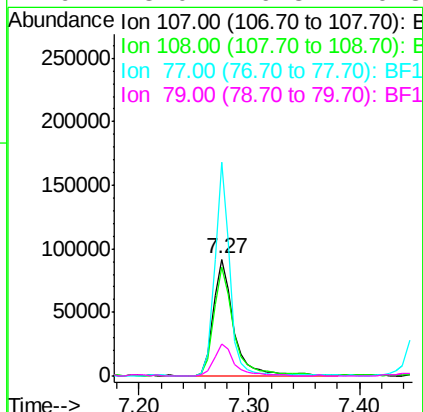
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

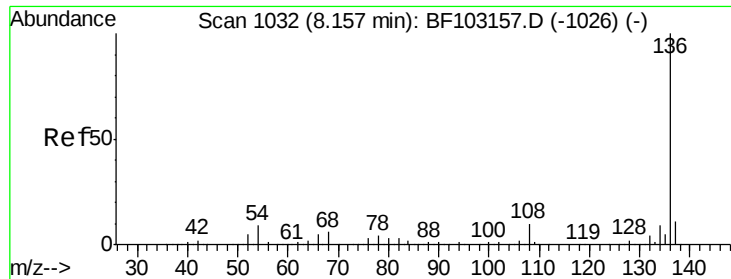
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#20
3+4-Methylphenols
Concen: 8.886 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.7	68.2	108.2
77	183.0	26.7	66.7#
79	28.0	6.3	46.3





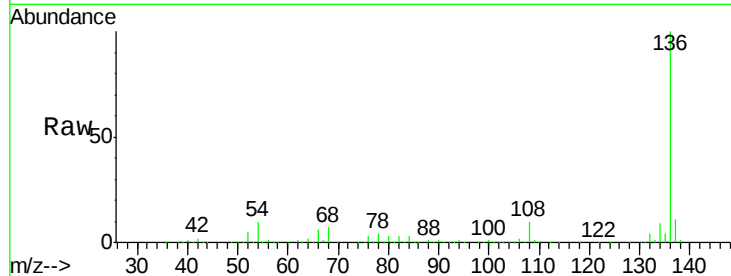
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

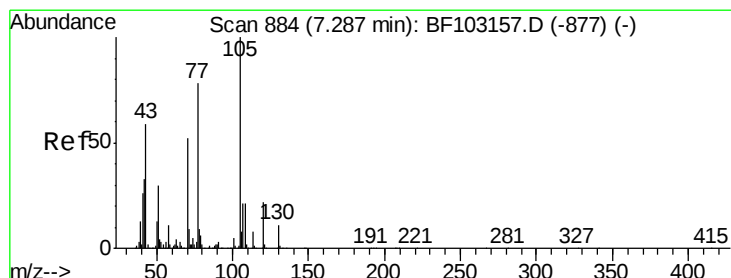
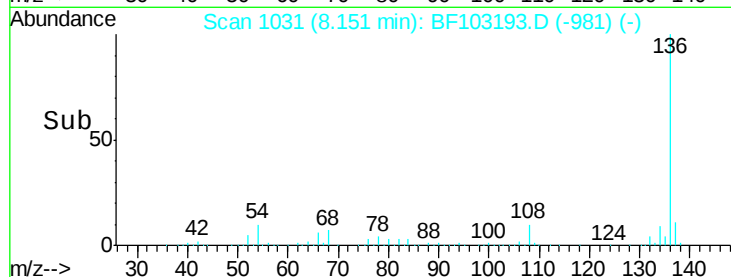
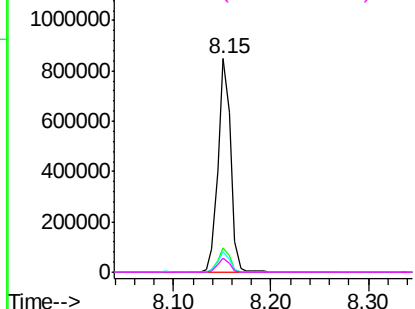
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	763415		
137	11.3	8.9	13.3	
54	9.8	6.6	9.8	
68	6.9	5.0	7.4	

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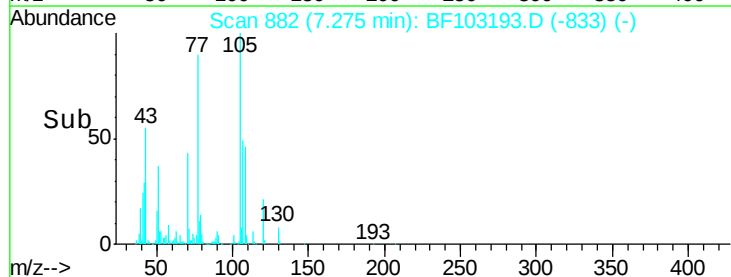
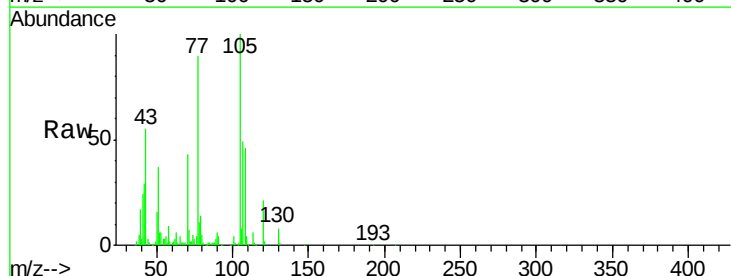
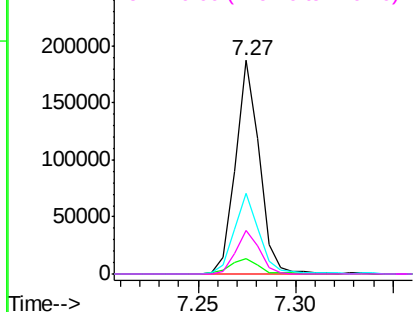
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

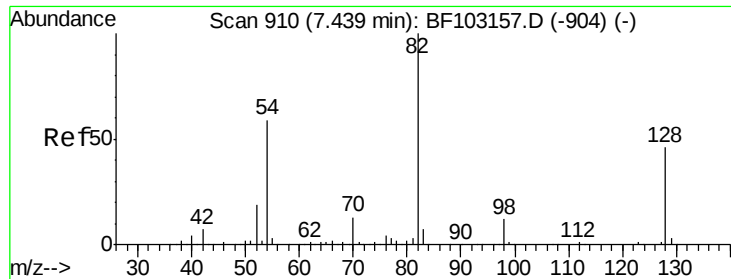


#22
Acetophenone
Concen: 8.883 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158283		
71	7.3	4.4	6.6#	
51	37.5	22.3	33.5#	
120	20.6	16.9	25.3	

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





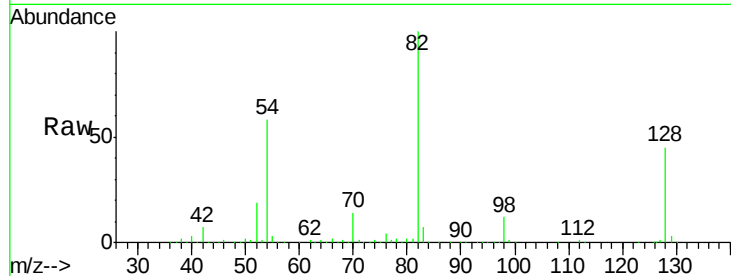
#23
 Nitrobenzene-d5
 Concen: 88.109 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

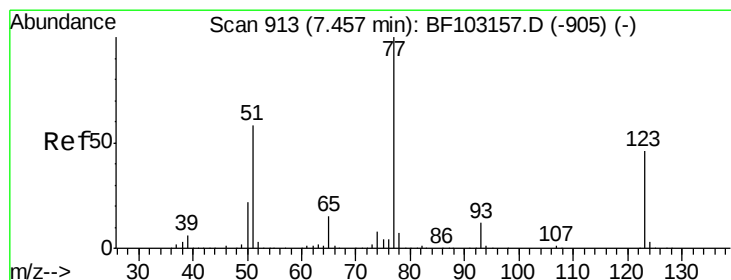
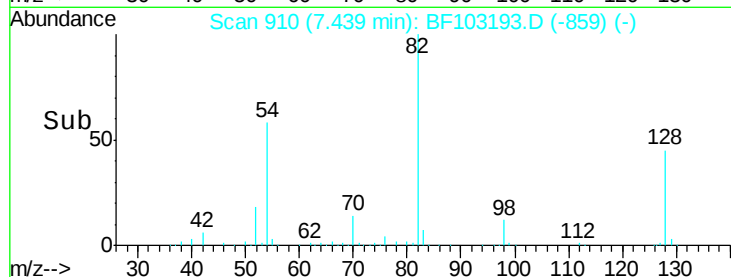
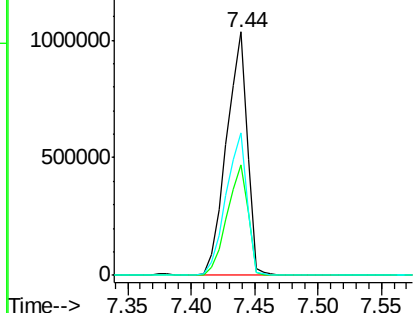
Tgt Ion: 82 Resp: 1177826
 Ion Ratio Lower Upper
 82 100
 128 45.2 36.1 54.1
 54 58.5 41.4 62.2

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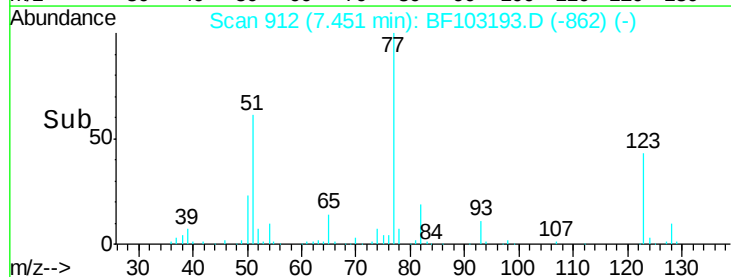
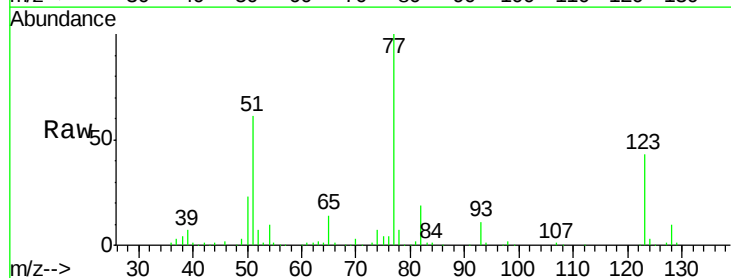
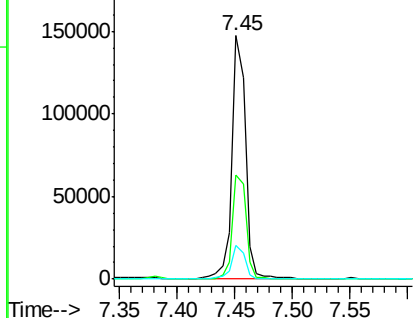
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

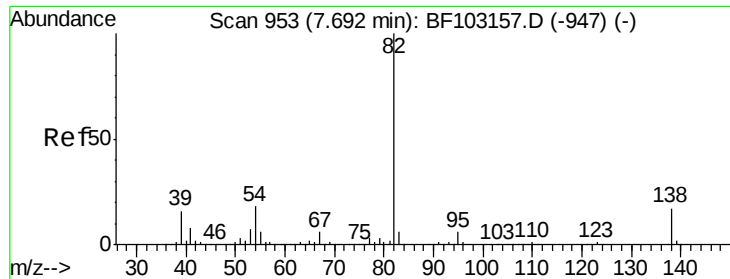


#24
 Nitrobenzene
 Concen: 8.259 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion: 77 Resp: 121552
 Ion Ratio Lower Upper
 77 100
 123 42.8 37.9 56.9
 65 13.9 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





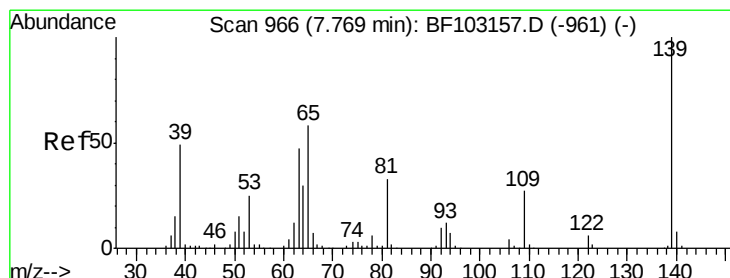
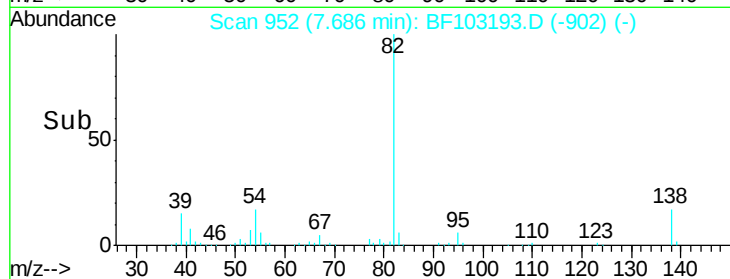
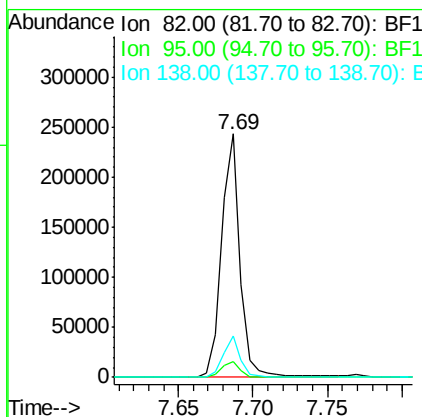
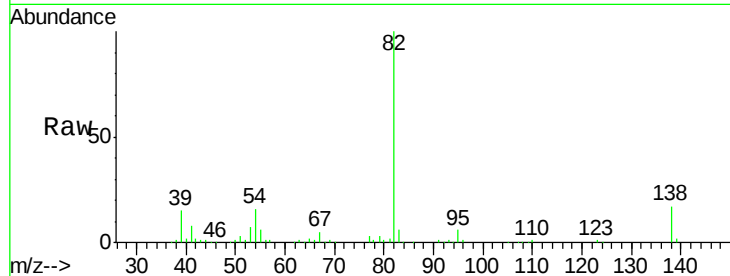
#25
Isophorone
Concen: 8.038 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	211620		
95	6.3	5.2	7.8	
138	16.9	14.9	22.3	

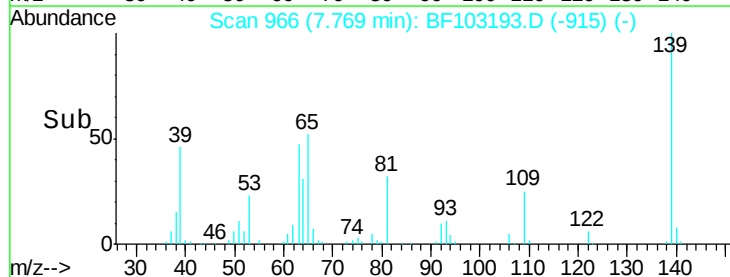
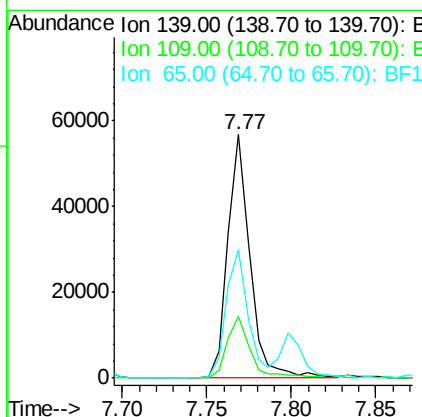
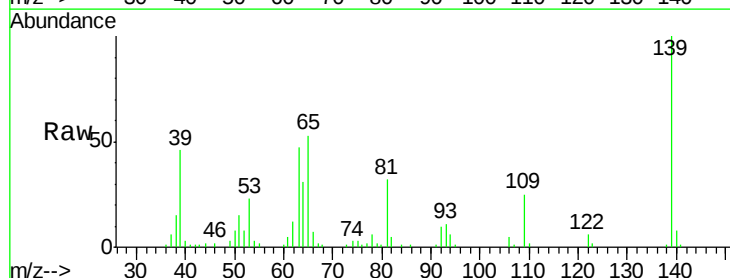
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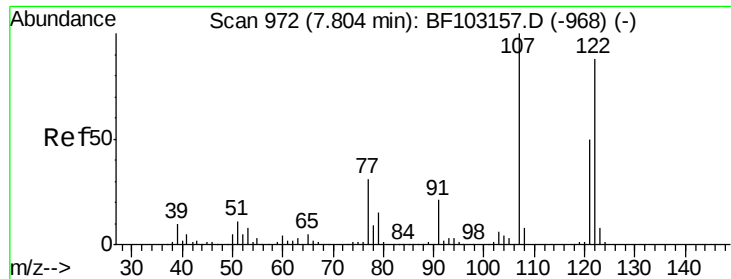
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#26
2-Nitrophenol
Concen: 7.517 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	52080		
109	25.2	22.7	34.1	
65	52.9	40.5	60.7	





#27

2,4-Dimethylphenol

Concen: 7.389 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

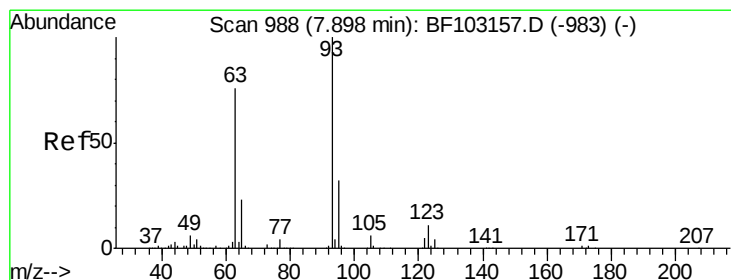
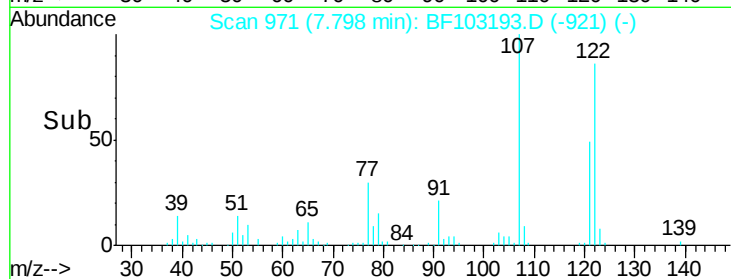
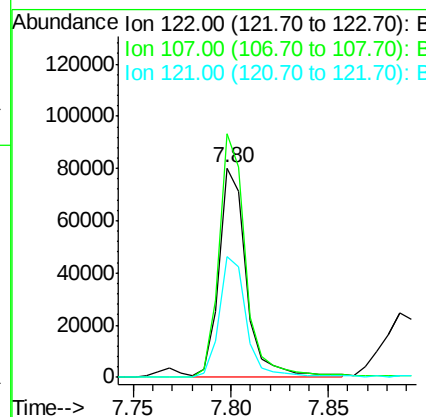
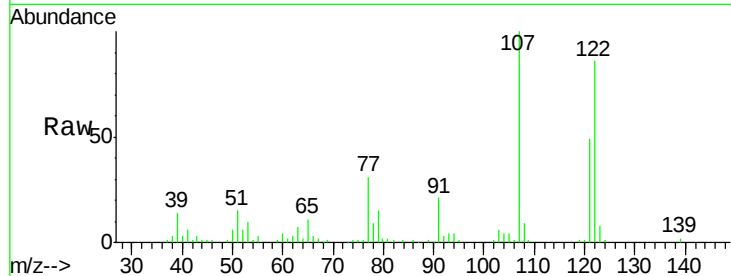
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
122	100		
107	116.1	91.2	136.8
121	57.3	47.2	70.8

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#28

bis(2-Chloroethoxy)methane

Concen: 8.203 ng

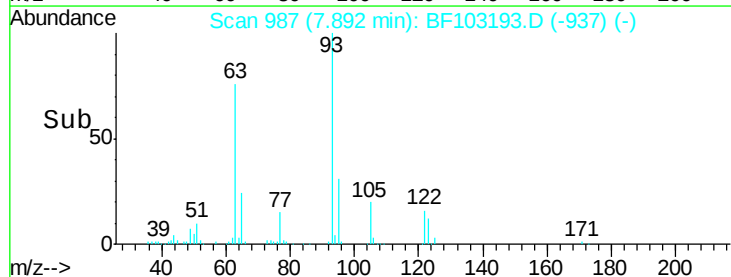
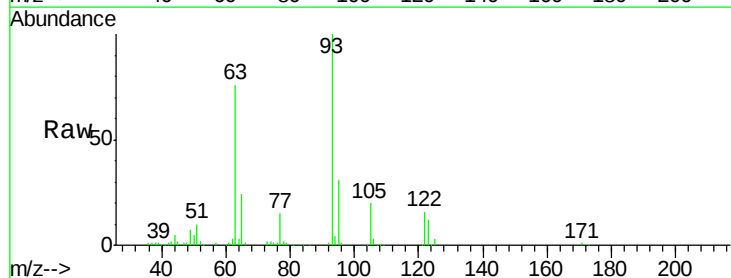
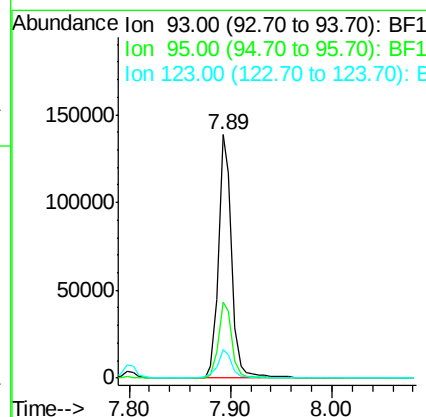
RT: 7.89 min Scan# 987

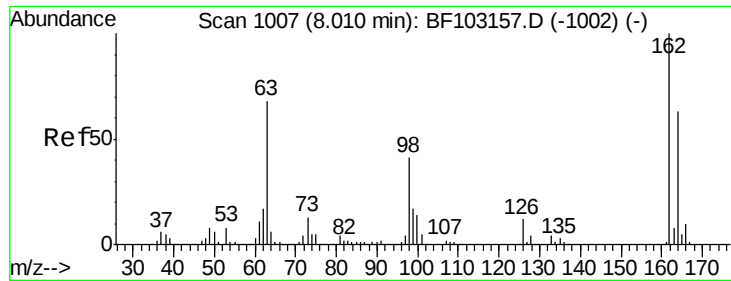
Delta R.T. -0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.2	26.3	39.5
123	12.0	9.8	14.6





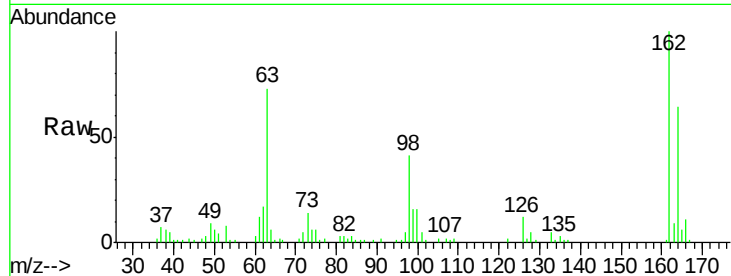
#29
2,4-Dichlorophenol
Concen: 7.785 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

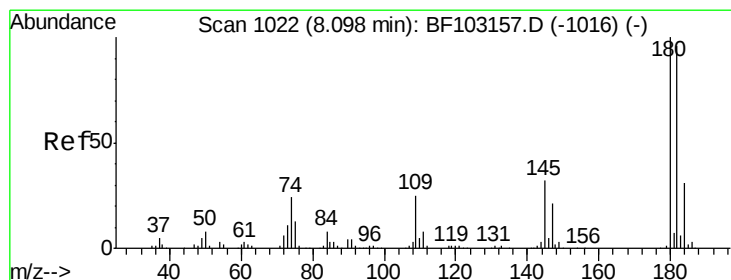
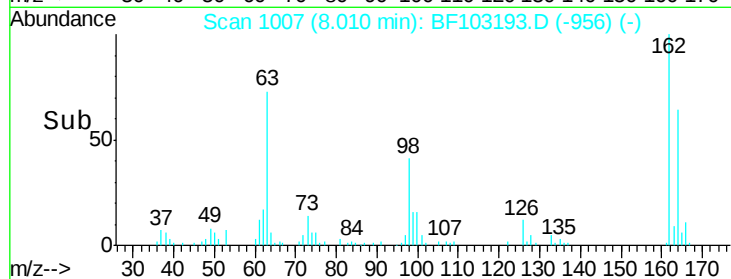
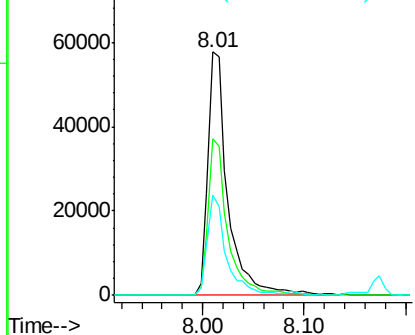
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	78934		
164	64.3	42.7	82.7	
98	41.2	18.1	58.1	

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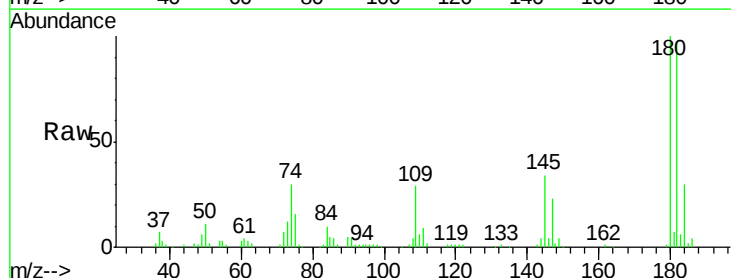


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

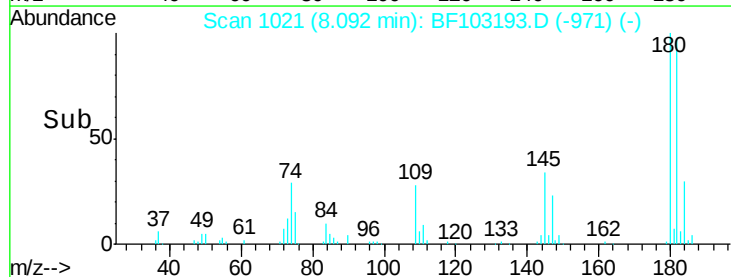
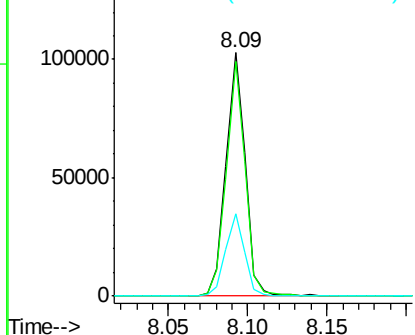


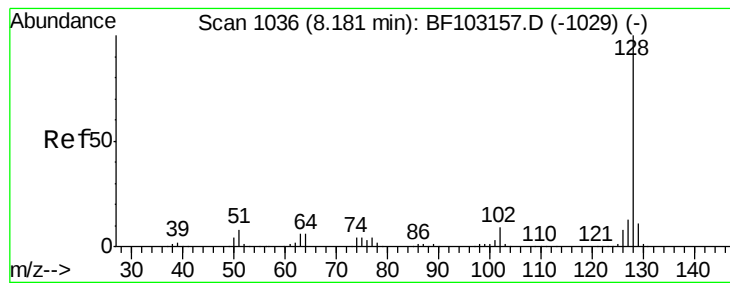
#30
1,2,4-Trichlorobenzene
Concen: 8.050 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	86920		
182	96.6	76.8	115.2	
145	33.6	26.5	39.7	



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





#31

Naphthalene

Concen: 8.367 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

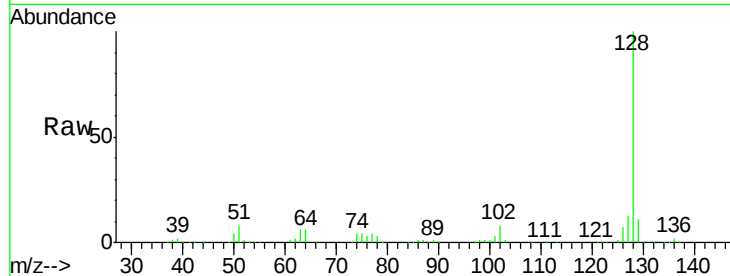
ClientSampleId :

MDL-SOIL-03-QT1-2018

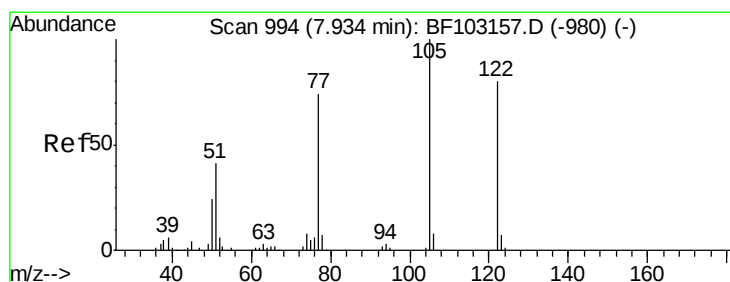
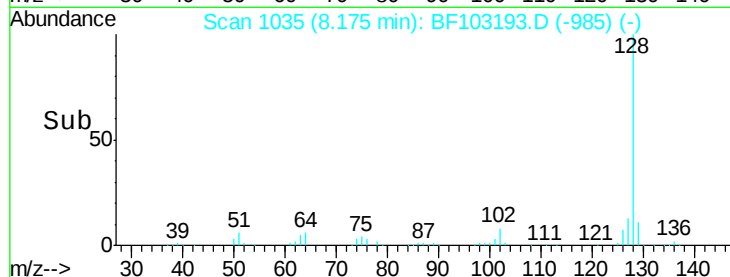
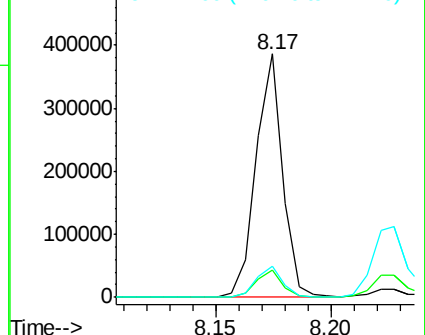
Tgt Ion:	128	Resp:	312720
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	12.8	10.9	16.3

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



#32

Benzoic acid

Concen: 11.920 ng

RT: 7.89 min Scan# 986

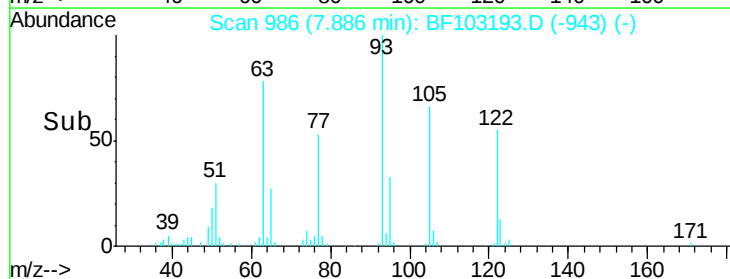
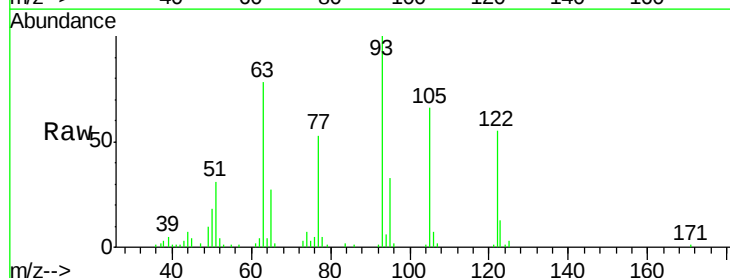
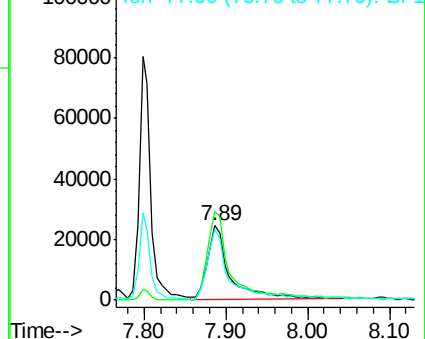
Delta R.T. -0.05 min

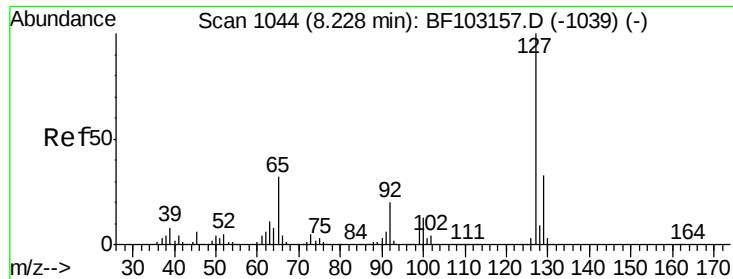
Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	122	Resp:	45954
Ion Ratio	Lower	Upper	
122	100		
105	120.3	101.1	141.1
77	95.3	70.7	110.7

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





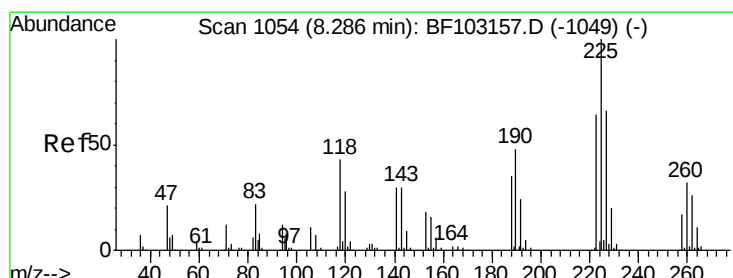
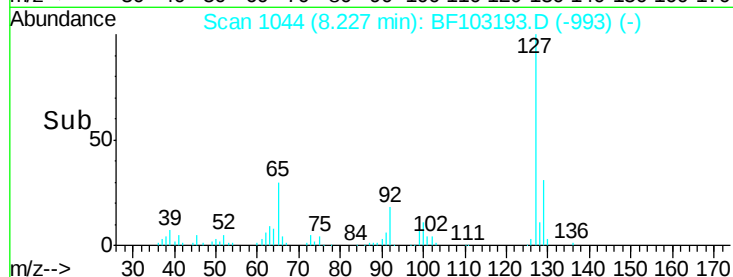
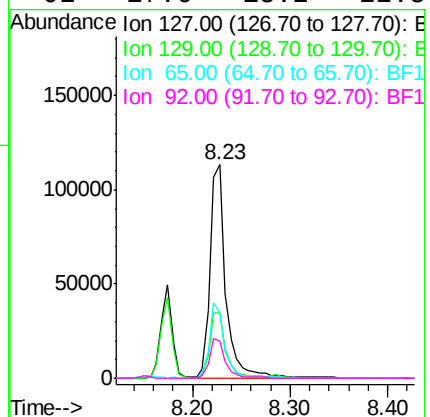
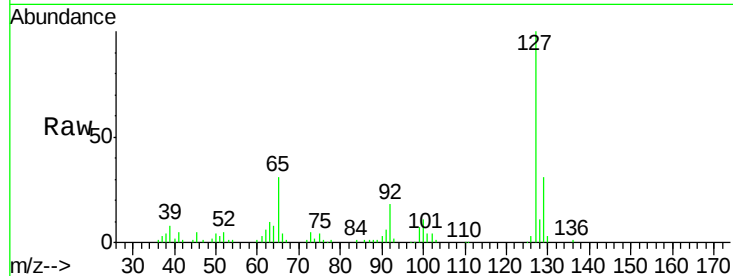
#33
4-Chloroaniline
Concen: 7.965 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	128468		
129	30.8	25.9	38.9	
65	30.7	25.0	37.4	
92	17.6	15.2	22.8	

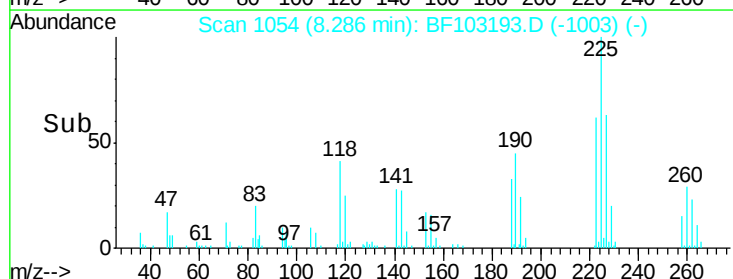
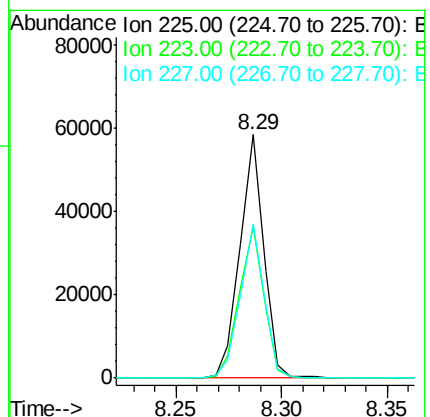
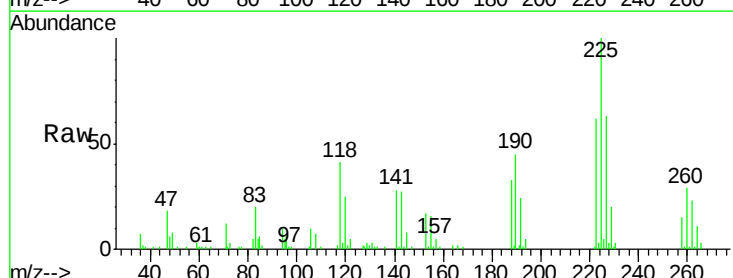
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#34
Hexachlorobutadiene
Concen: 8.105 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45575		
223	62.3	50.6	76.0	
227	63.3	51.9	77.9	





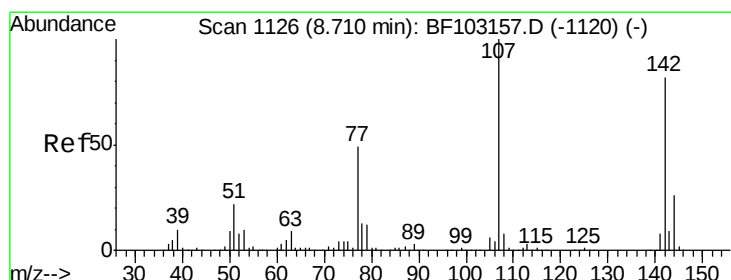
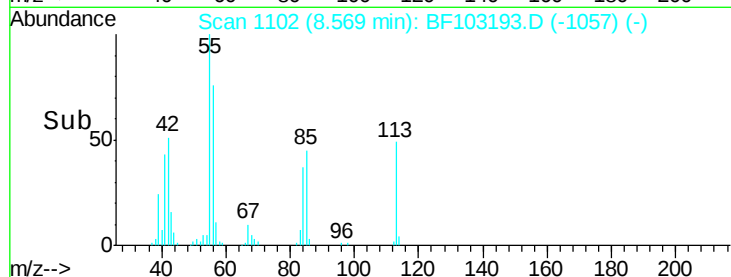
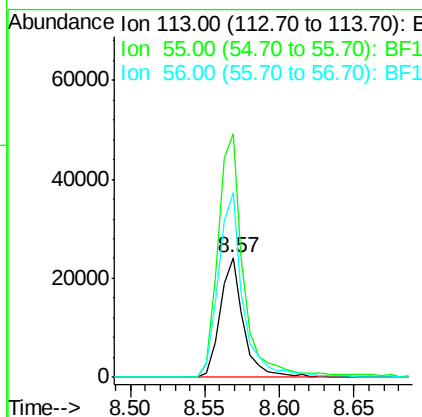
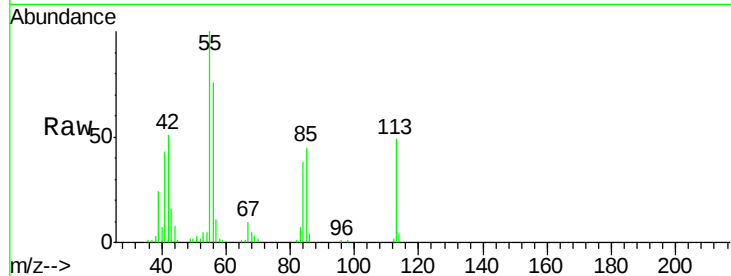
#35
 Caprolactam
 Concen: 7.434 ng
 RT: 8.57 min Scan# 1102
 Delta R.T. -0.04 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion:113 Resp: 26493
 Ion Ratio Lower Upper
 113 100
 55 203.5 163.3 203.3#
 56 154.2 115.7 155.7

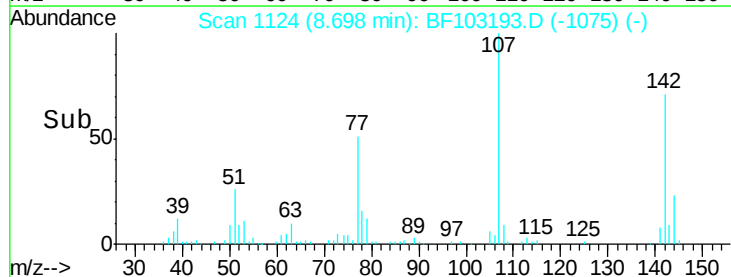
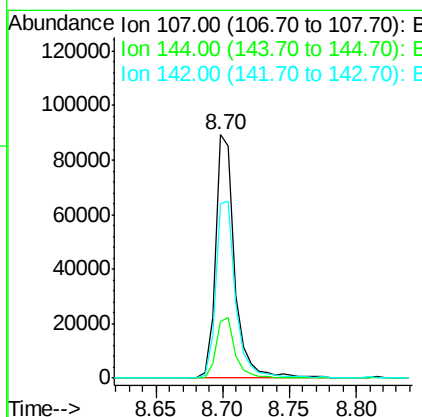
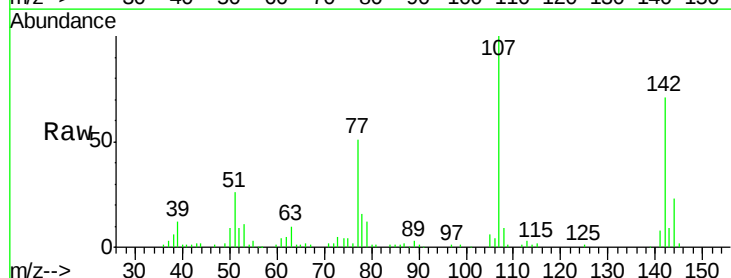
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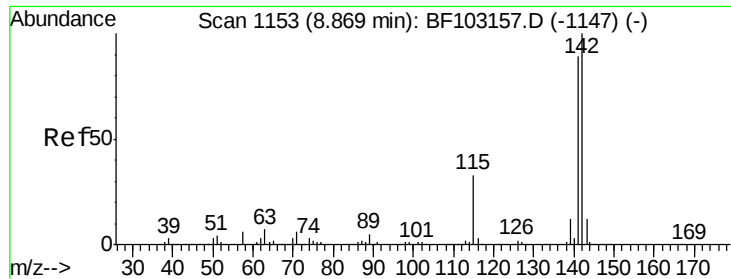
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#36
 4-Chloro-3-methylphenol
 Concen: 7.920 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion:107 Resp: 90579
 Ion Ratio Lower Upper
 107 100
 144 23.3 20.5 30.7
 142 71.4 62.0 93.0





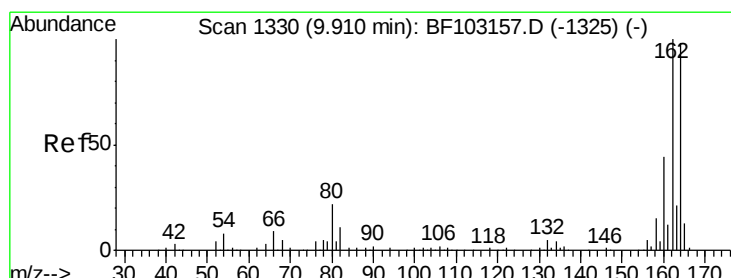
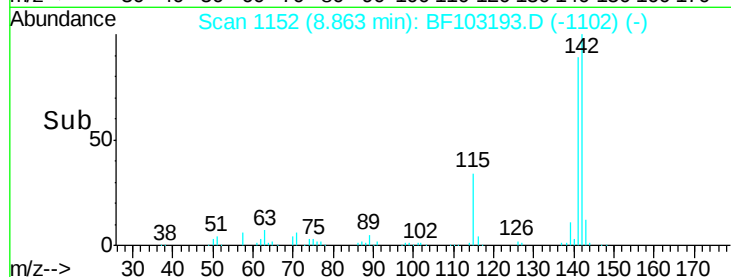
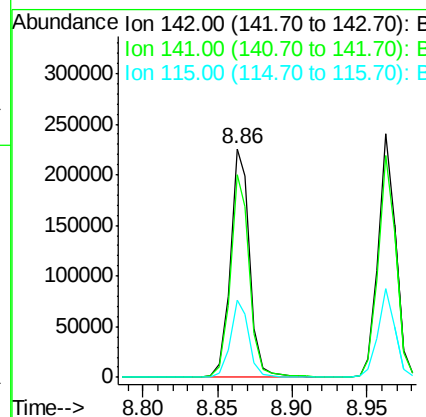
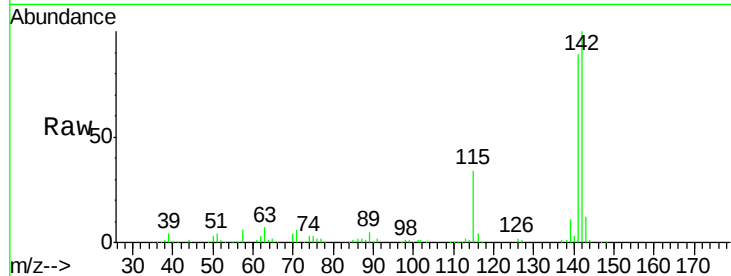
#37
 2-Methylnaphthalene
 Concen: 8.648 ng
 RT: 8.86 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	208891		
141	88.7	70.8	106.2	
115	33.7	26.1	39.1	

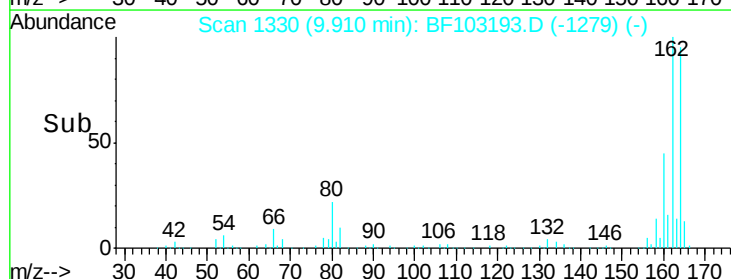
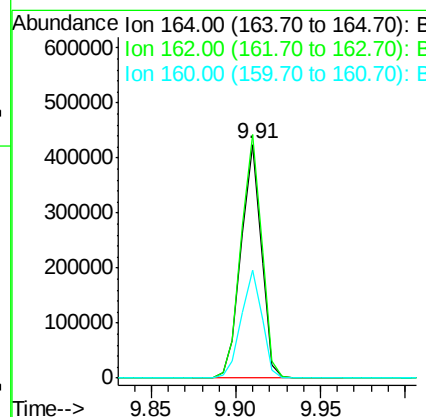
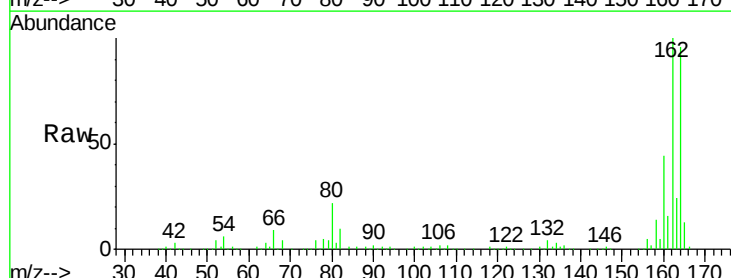
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	353890		
162	104.3	86.1	129.1	
160	46.4	38.3	57.5	





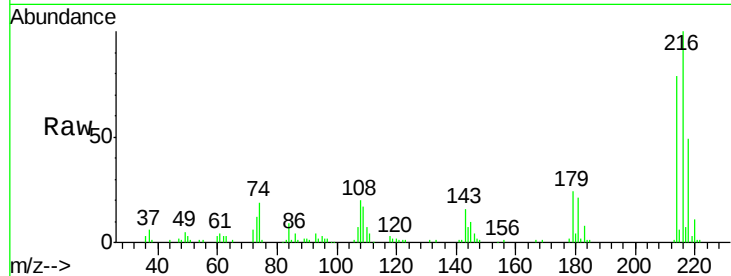
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.238 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

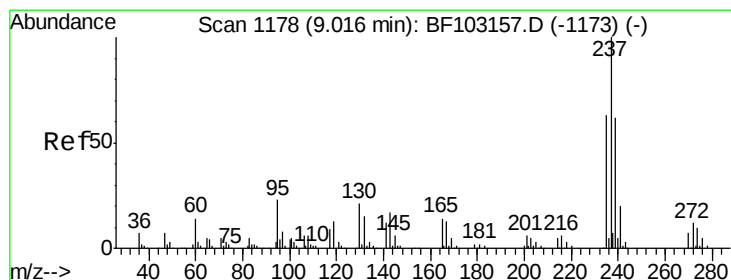
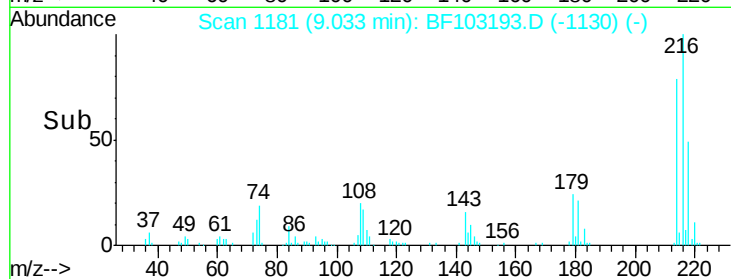
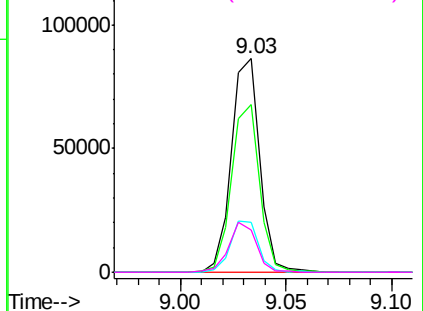
Tgt Ion	Ratio	Resp Lower	Resp Upper
216	100		
214	78.0	63.0	94.4
179	23.8	18.1	27.1
108	22.8	17.2	25.8

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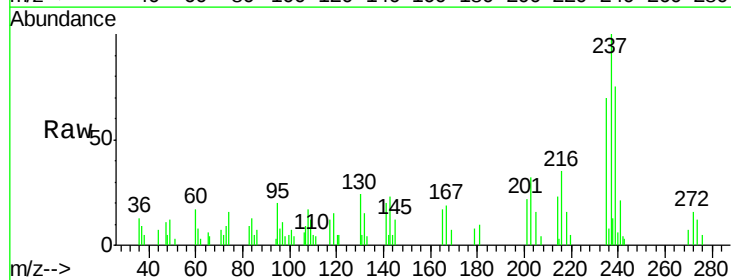


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

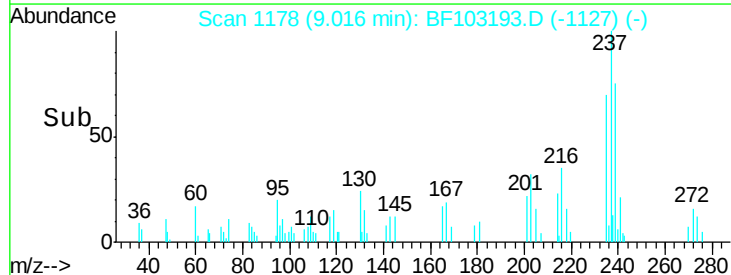
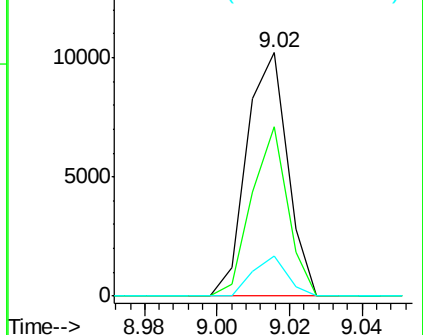


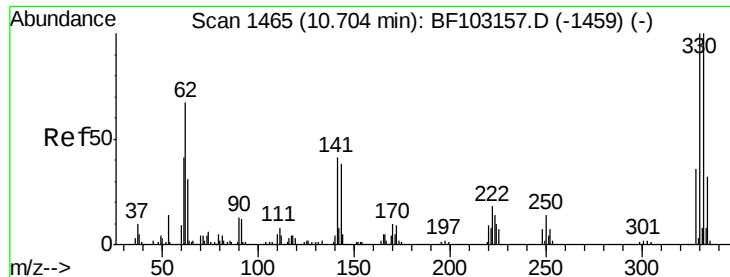
#40
 Hexachlorocyclopentadiene
 Concen: 10.946 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	69.7	44.8	84.8
272	16.3	0.0	33.3



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





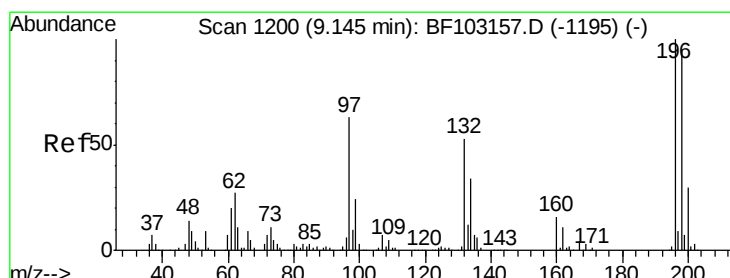
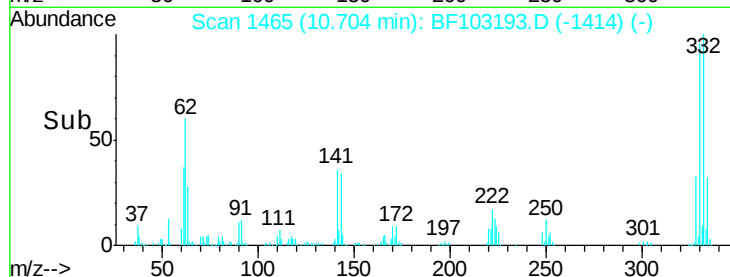
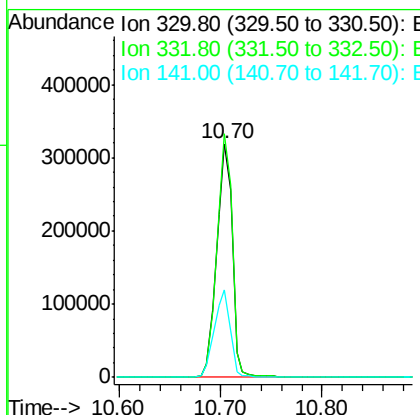
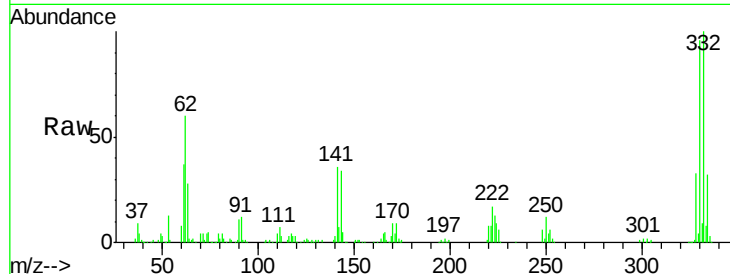
#41
 2,4,6-Tribromophenol
 Concen: 114.745 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	343717		
332	102.2	77.0	115.6	
141	38.3	29.9	44.9	

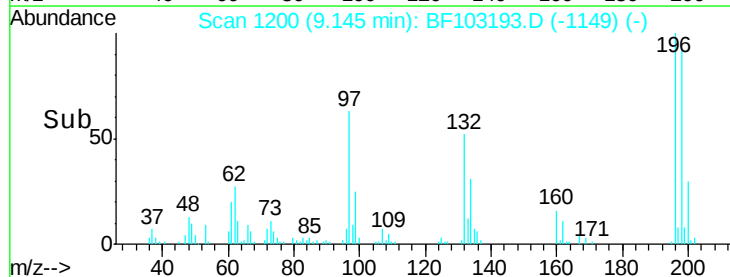
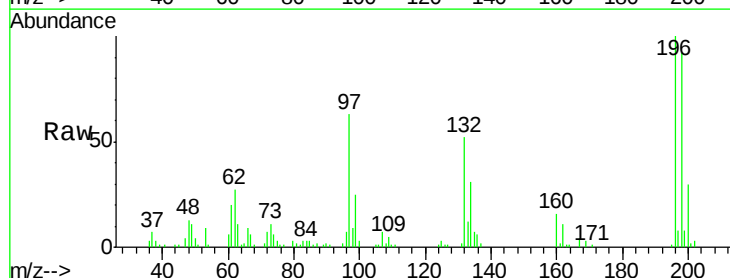
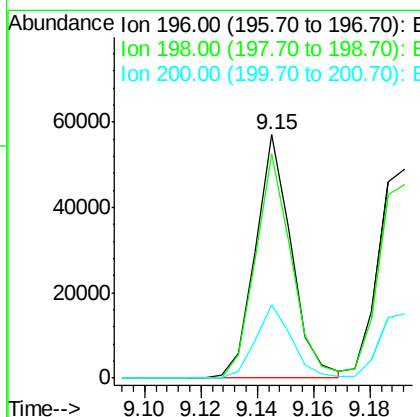
Manual Integrations
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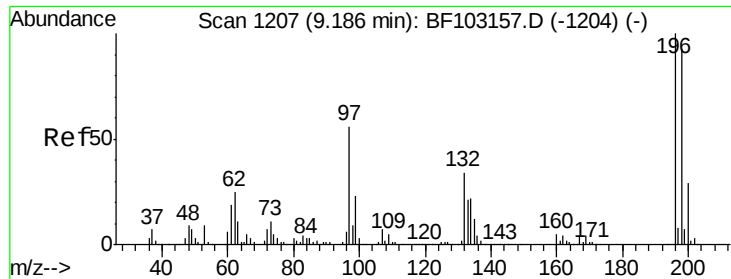
Sohil
 2/26/2018 9:54:36 AM



#42
 2,4,6-Trichlorophenol
 Concen: 7.755 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

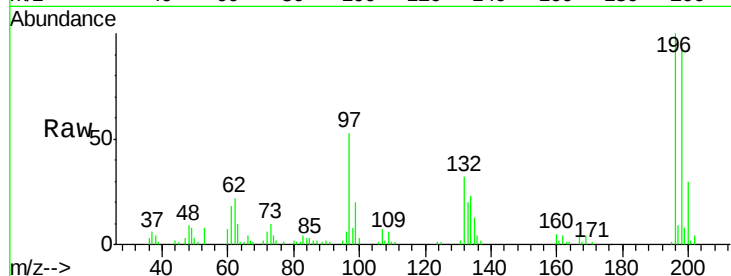
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	50484		
198	92.3	75.7	113.5	
200	30.2	24.5	36.7	





#43
 2,4,5-Trichlorophenol
 Concen: 7.364 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

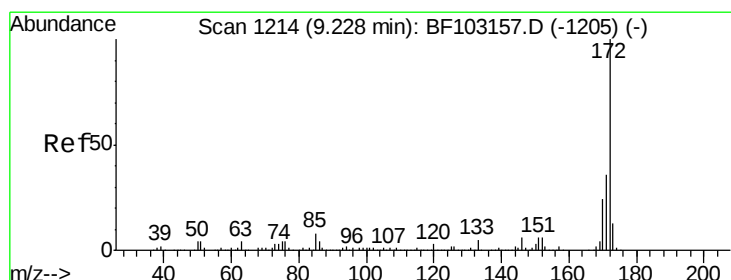
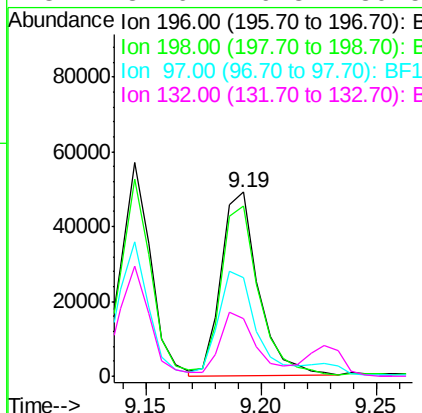
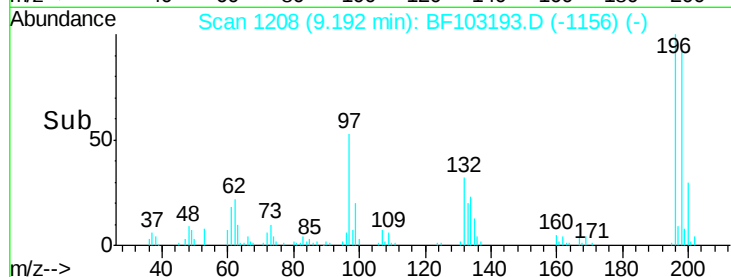
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	55137		
198	92.5	74.6	112.0	
97	53.4	42.9	64.3	
132	31.6	26.3	39.5	

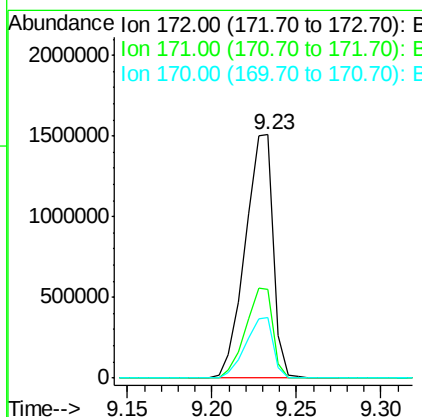
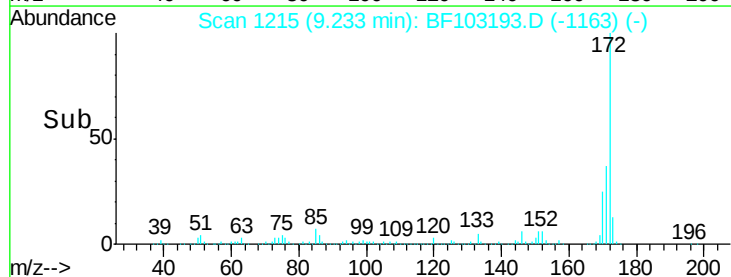
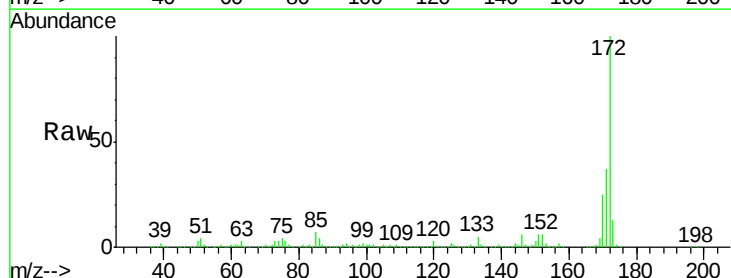
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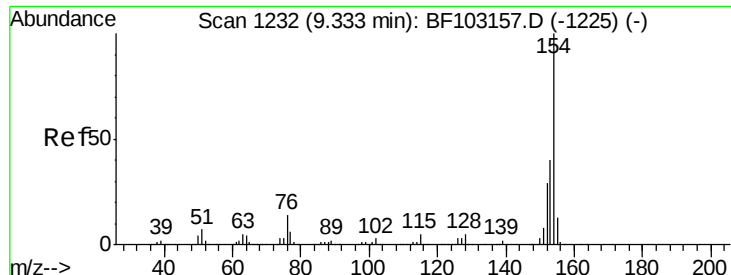
Sohil
 2/26/2018 9:54:36 AM



#44
 2-Fluorobiphenyl
 Concen: 85.421 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1753046		
171	36.6	29.7	44.5	
170	24.7	19.6	29.4	





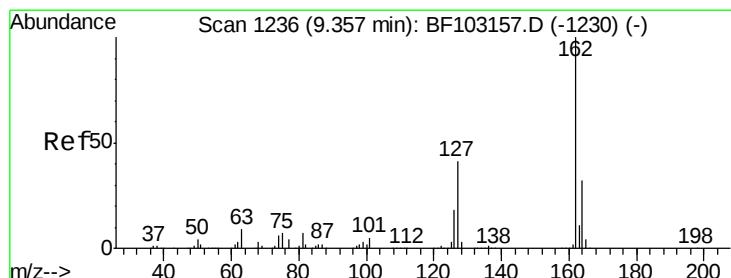
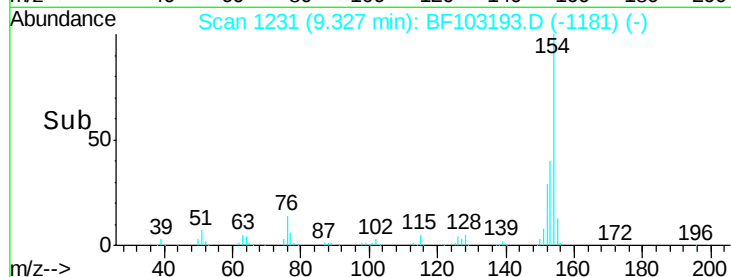
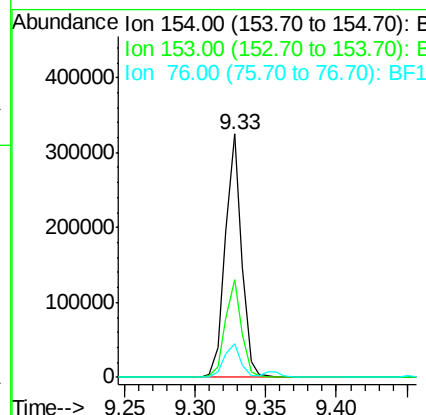
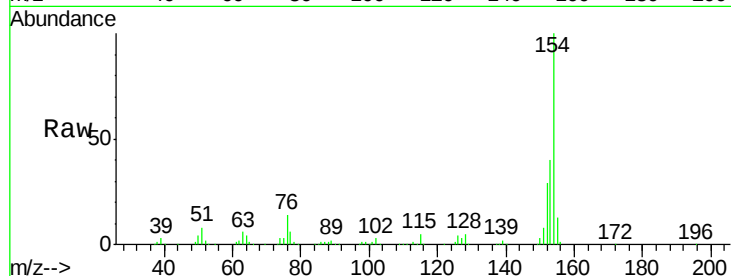
#45
 1,1'-Biphenyl
 Concen: 8.827 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	261751		
153	40.0	21.3	61.3	
76	13.8	0.0	34.0	

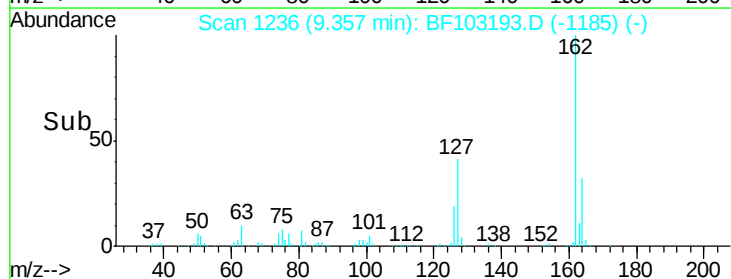
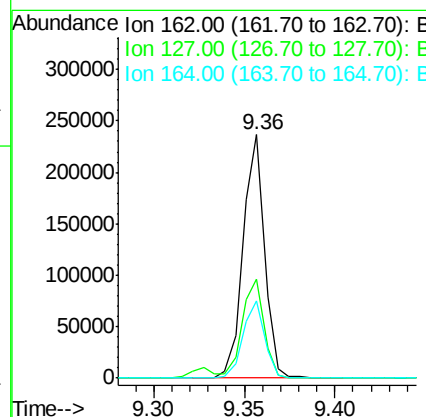
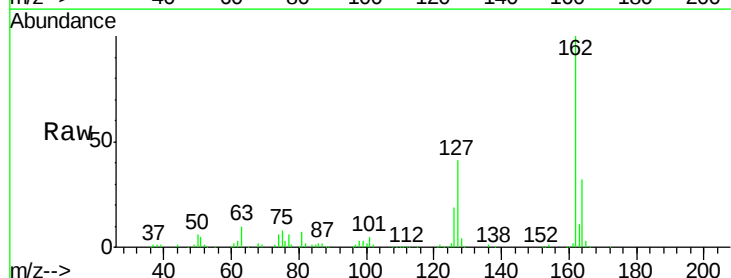
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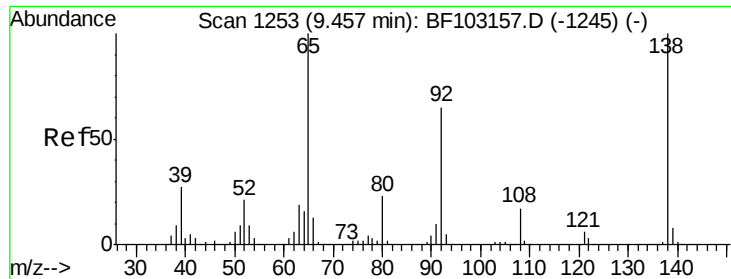
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#46
 2-Chloronaphthalene
 Concen: 8.307 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	194876		
127	40.5	33.9	50.9	
164	31.9	26.5	39.7	





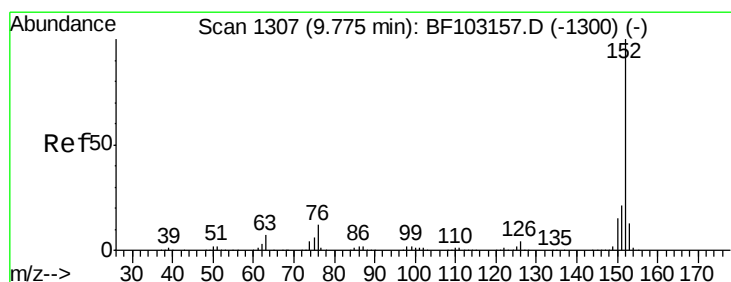
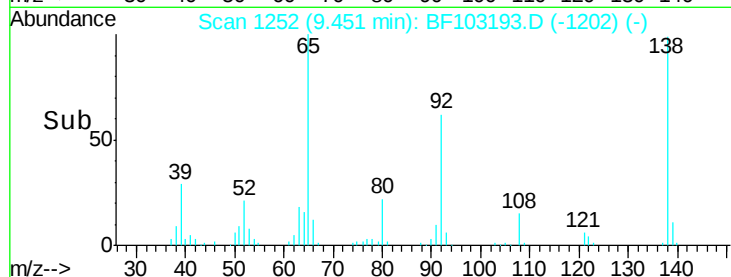
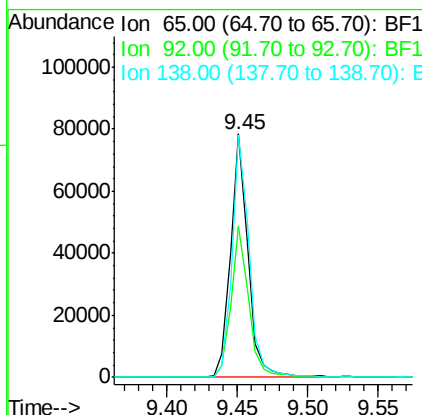
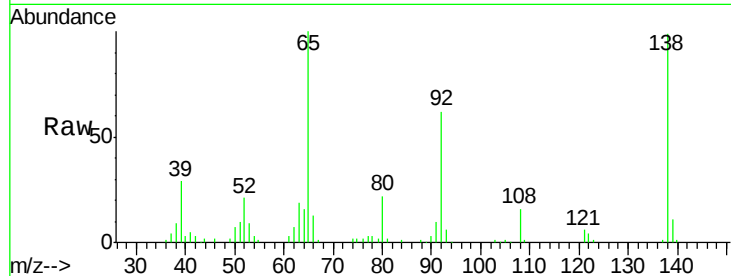
#47
 2-Nitroaniline
 Concen: 7.811 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.0	55.8	83.6
138	99.4	91.2	136.8

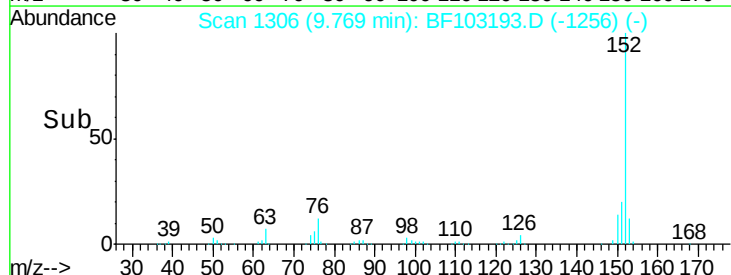
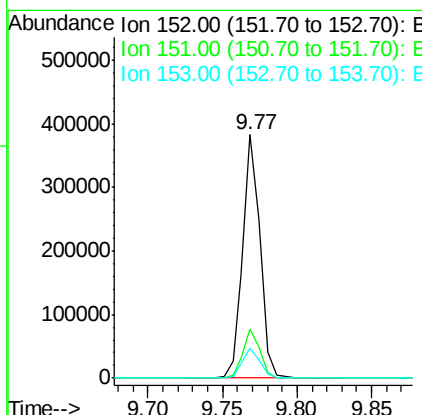
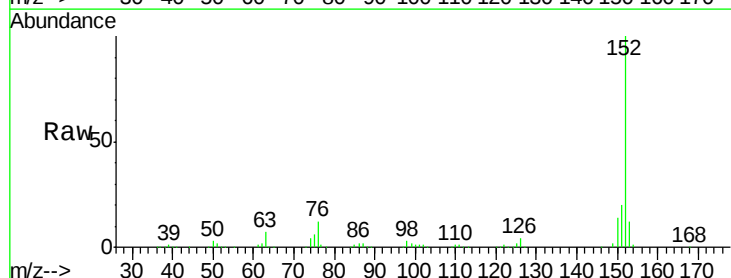
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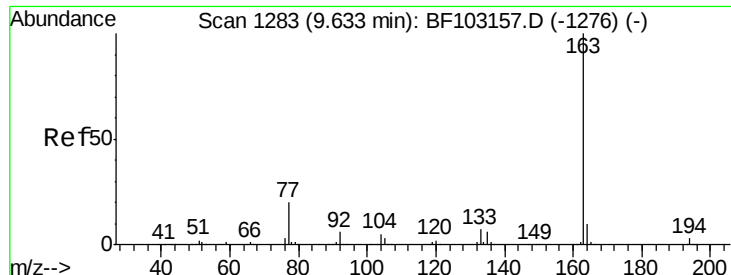
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#48
 Acenaphthylene
 Concen: 8.605 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	12.4	10.7	16.1





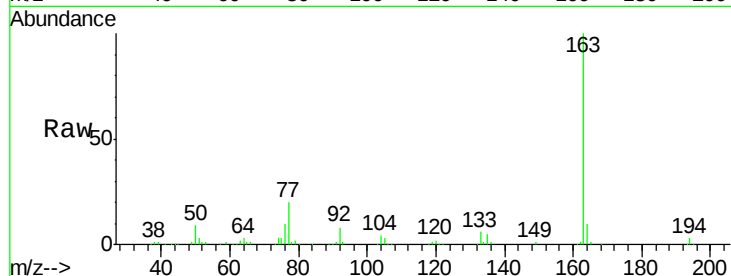
#49
Dimethylphthalate
Concen: 8.215 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

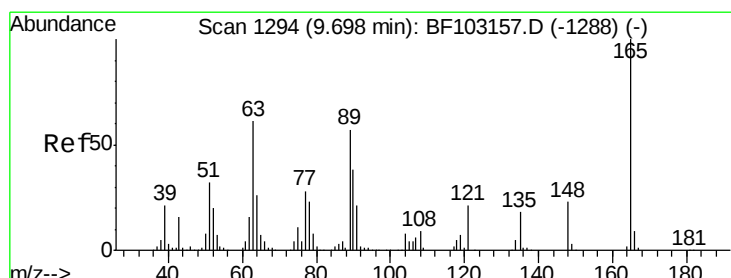
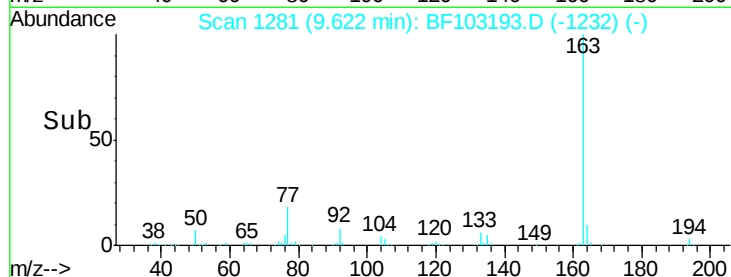
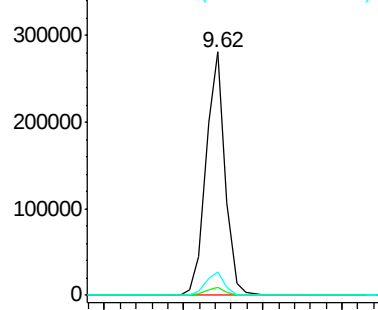
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.7	4.1
164	9.8	8.2	12.2

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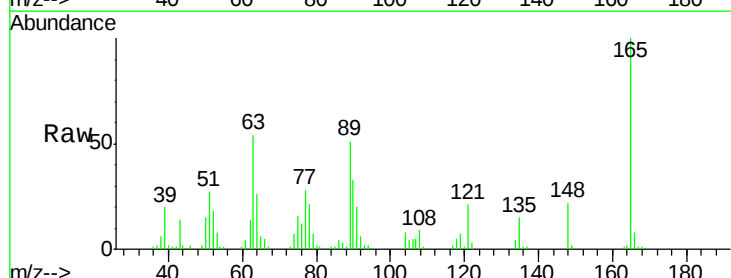


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

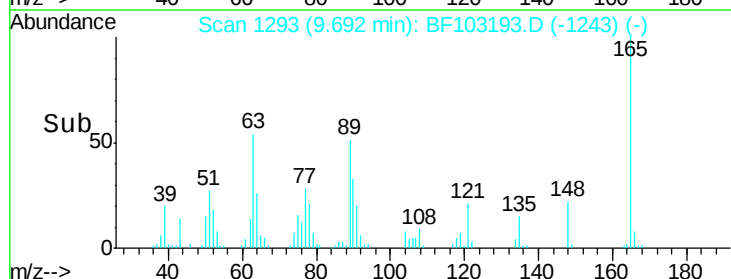
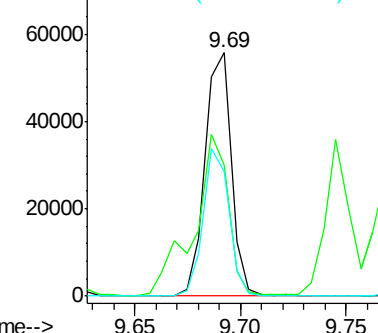


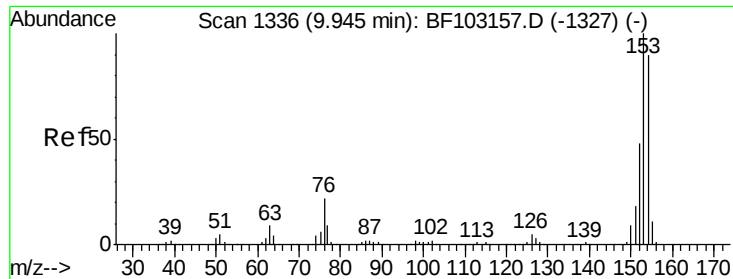
#50
2,6-Dinitrotoluene
Concen: 8.037 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	53.6	44.7	67.1
89	51.3	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: 8.641 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

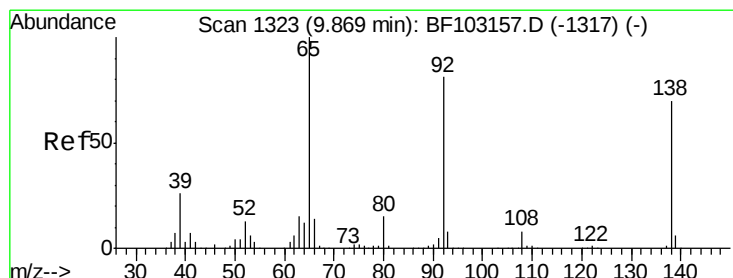
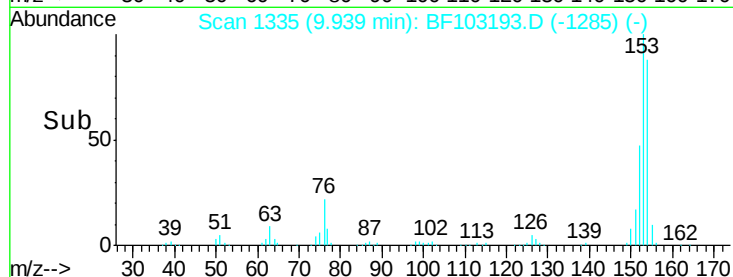
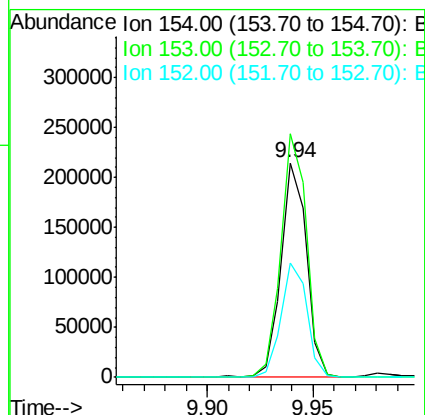
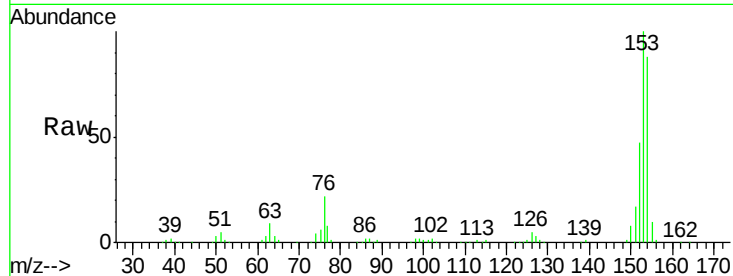
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	154	Resp:	181873
Ion Ratio	Lower	Upper	
154	100		
153	113.4	91.2	136.8
152	53.5	43.8	65.8

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#52

3-Nitroaniline

Concen: 7.733 ng

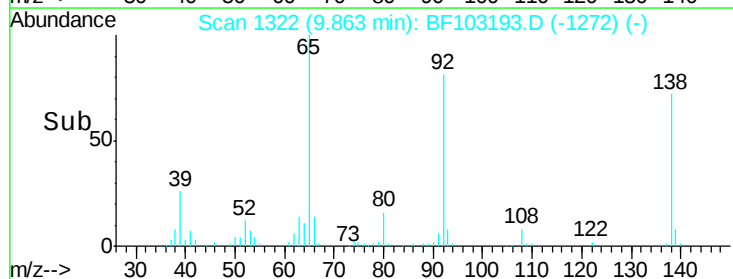
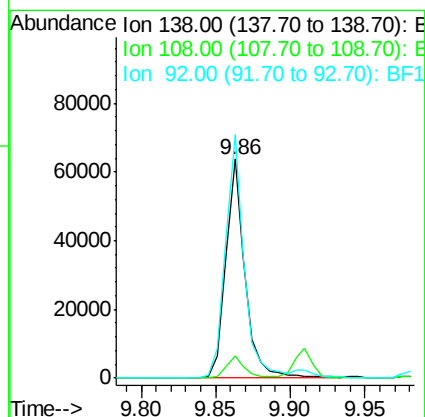
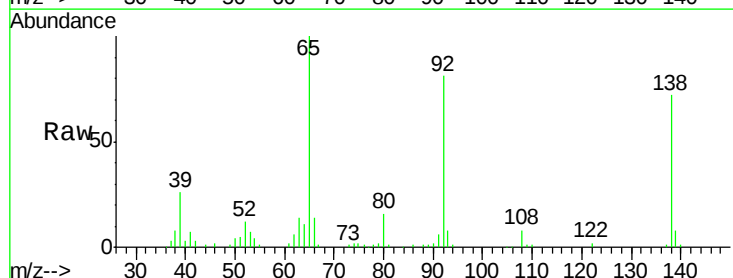
RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

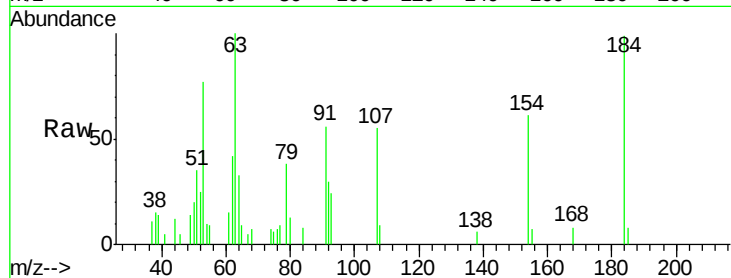
Tgt Ion:	138	Resp:	58453
Ion Ratio	Lower	Upper	
138	100		
108	10.4	9.4	14.0
92	111.3	89.4	134.2





#53
2,4-Dinitrophenol
Concen: 13.264 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

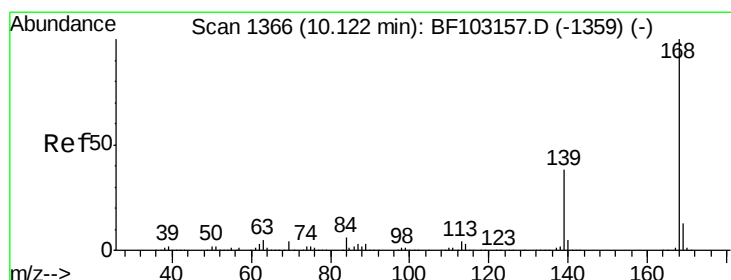
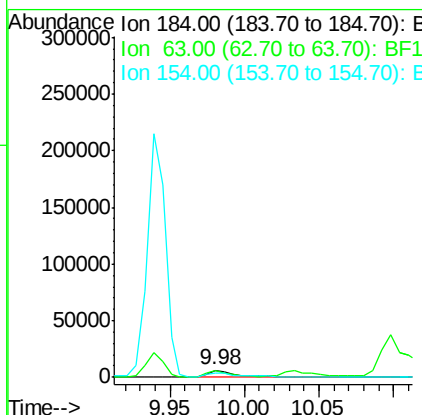
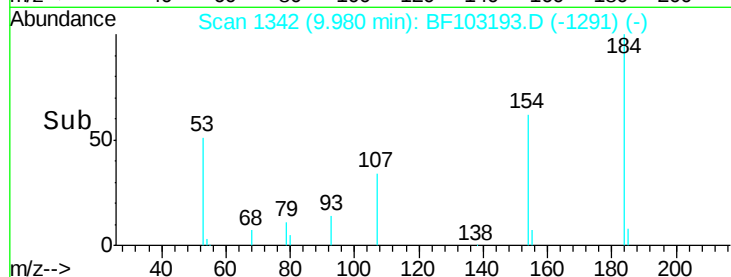
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018



Tgt Ion	Ratio	Lower	Upper
184	100		
63	101.4	54.2	81.2#
154	61.7	184.0	276.0#

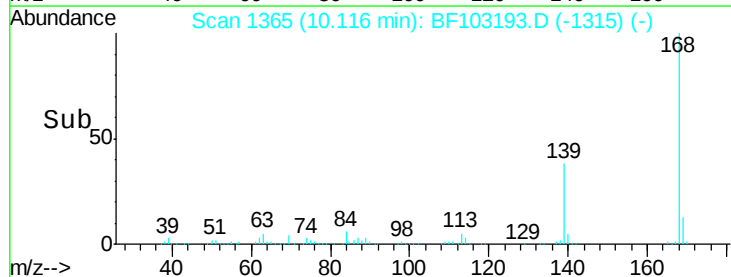
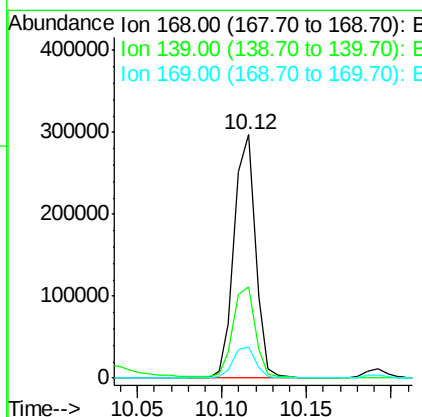
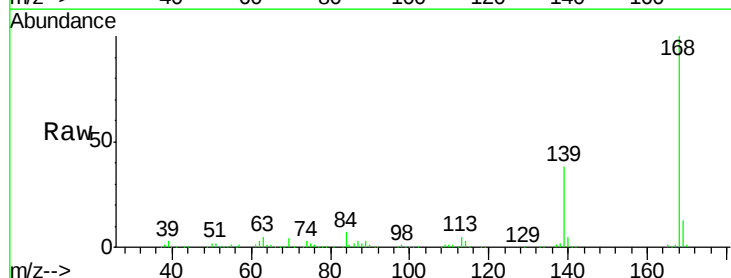
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#54
Dibenzofuran
Concen: 9.088 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.1	45.1
169	12.7	10.9	16.3





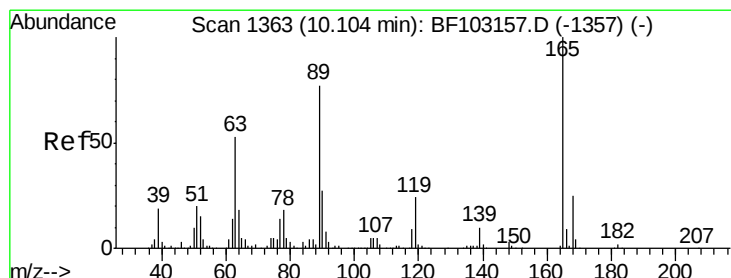
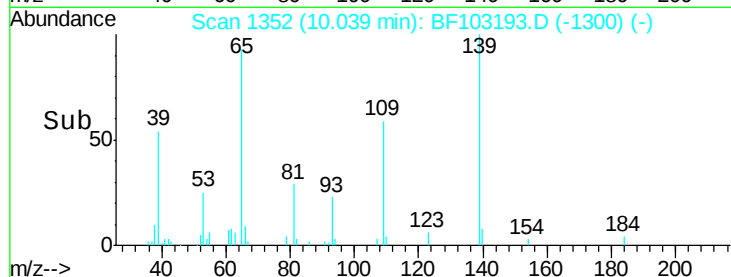
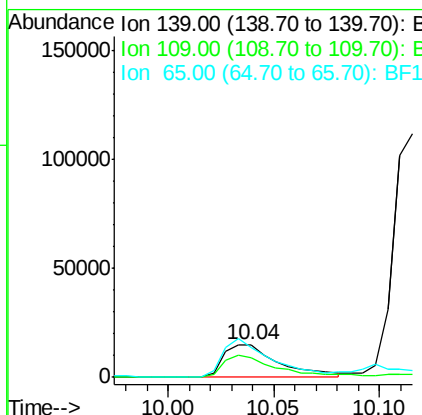
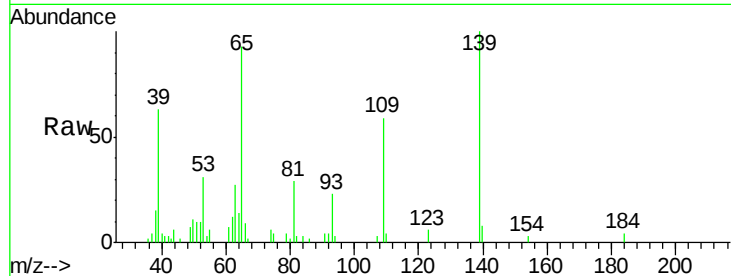
#55
4-Nitrophenol
Concen: 5.835 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	27337		
109	59.5	48.4	88.4	
65	92.5	72.6	112.6	

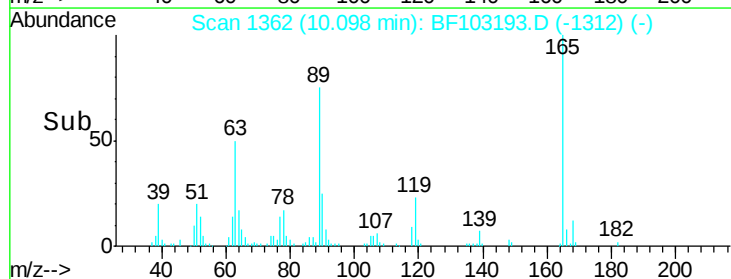
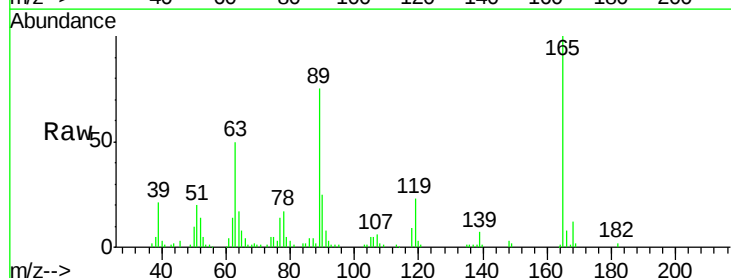
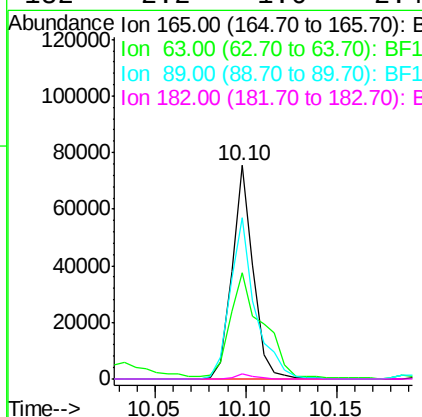
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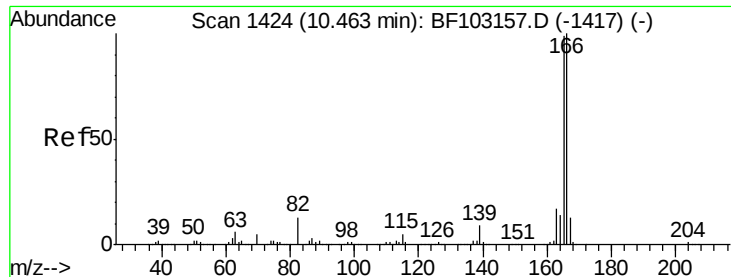
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#56
2,4-Dinitrotoluene
Concen: 8.126 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	61225		
63	49.6	36.4	54.6	
89	75.2	57.8	86.6	
182	2.2	1.6	2.4	





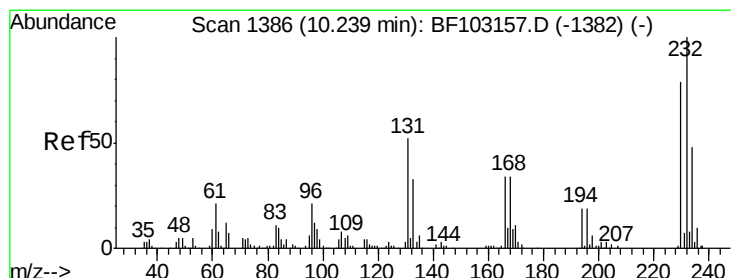
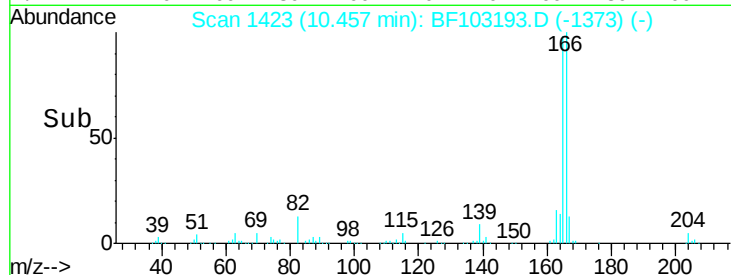
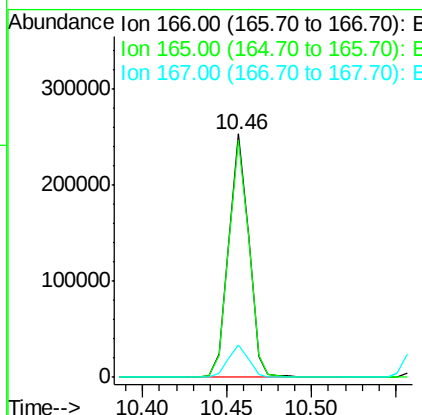
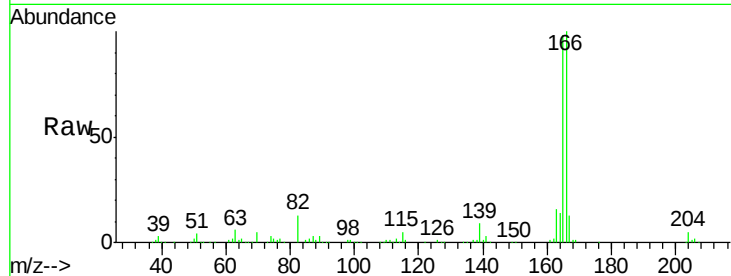
#57
 Fluorene
 Concen: 8.512 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	209512		
165	97.7	79.8	119.8	
167	13.3	10.6	16.0	

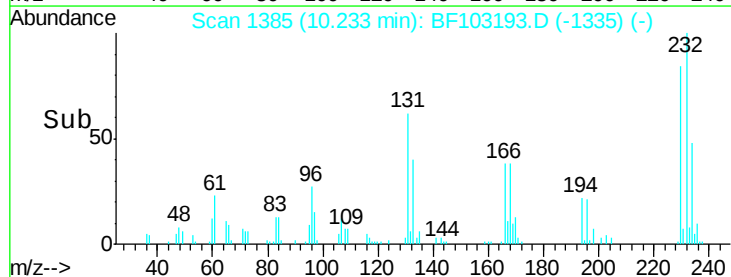
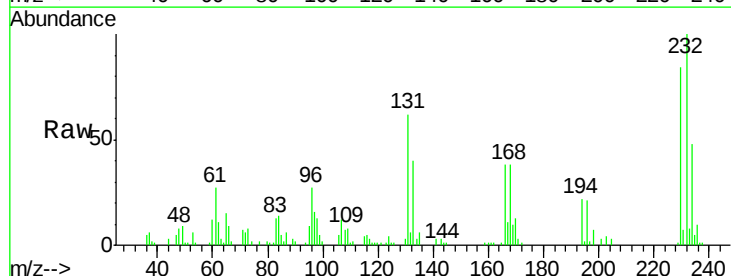
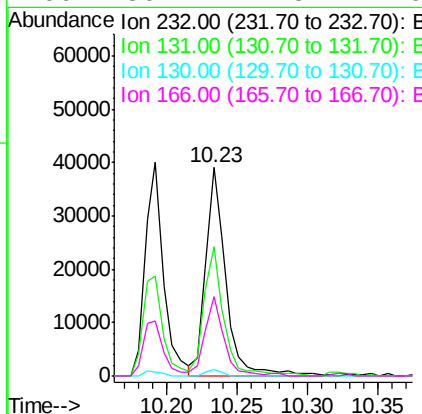
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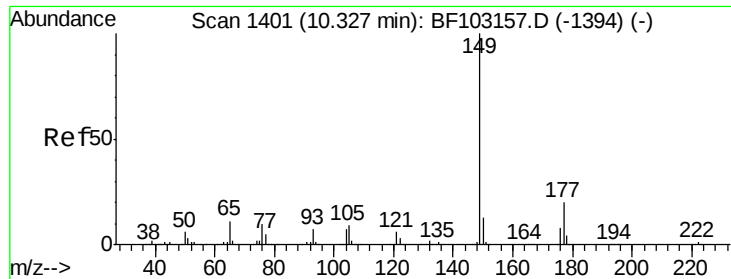
Sohil
 2/26/2018 9:54:36 AM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 7.742 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	38942		
131	61.2	43.8	65.8	
130	2.3	2.1	3.1	
166	36.7	27.8	41.6	





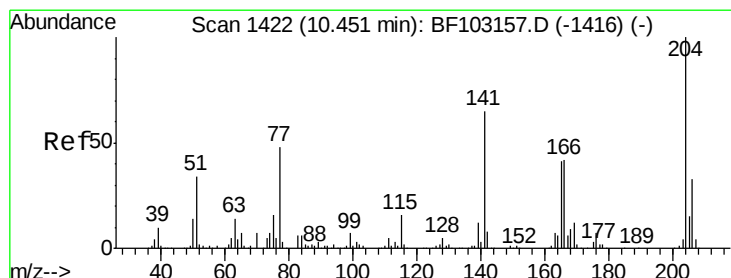
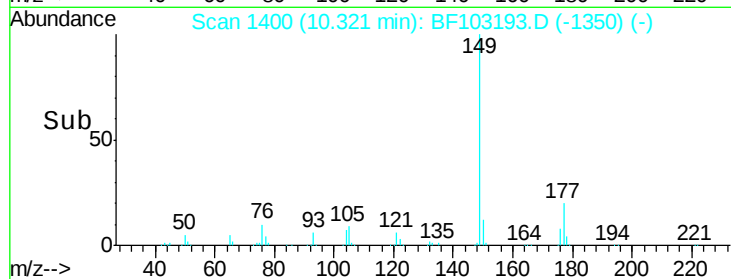
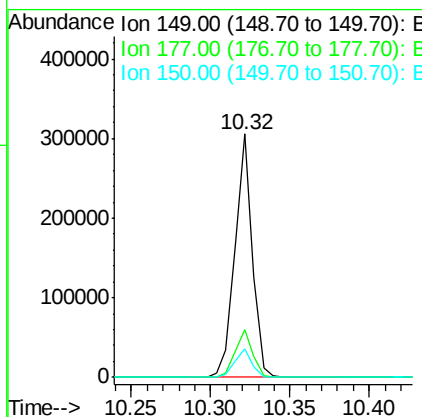
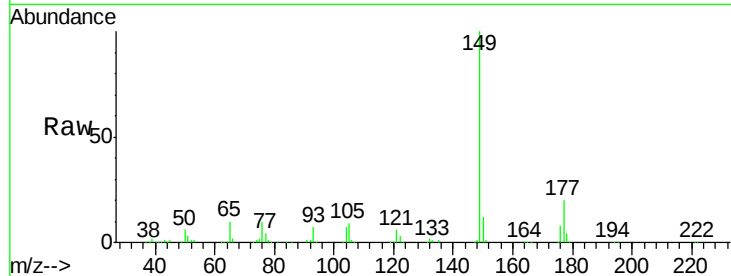
#59
Diethylphthalate
Concen: 8.558 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	232378		
177	19.8	16.1	24.1	
150	11.8	10.1	15.1	

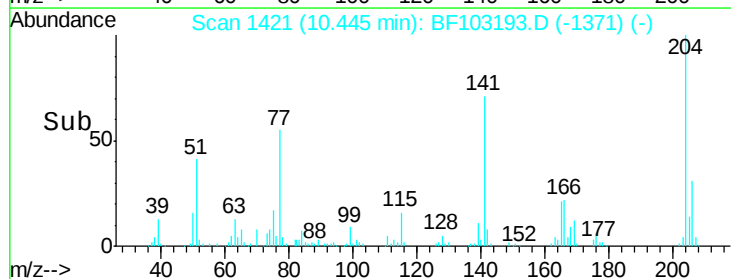
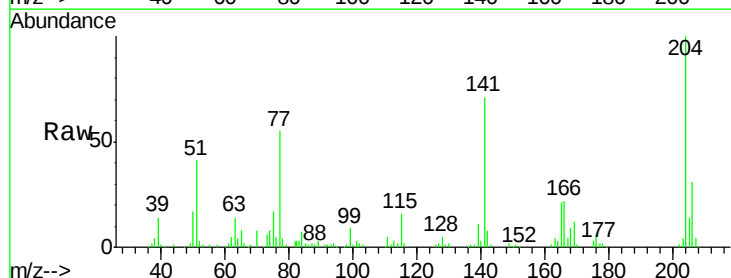
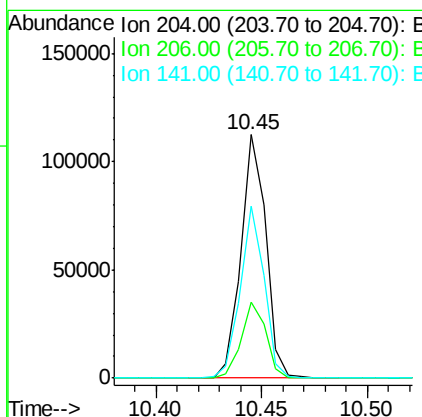
Manual Integrations
APPROVED

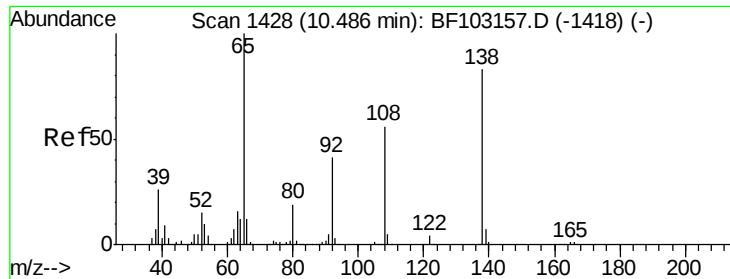
Sohil
2/26/2018 9:54:36 AM



#60
4-Chlorophenyl-phenylether
Concen: 8.789 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	91739		
206	31.3	26.5	39.7	
141	70.9	54.6	81.8	





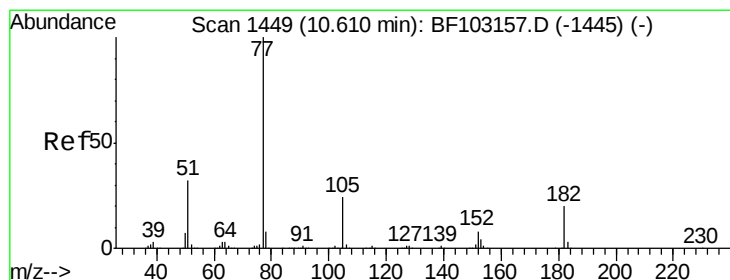
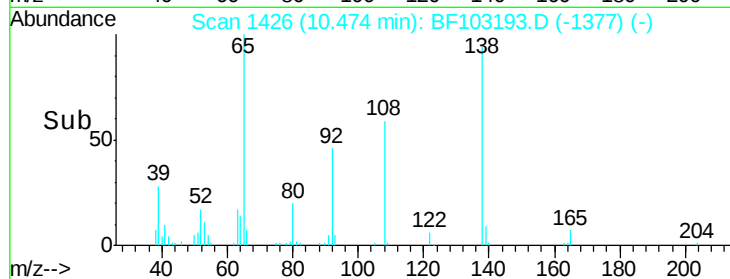
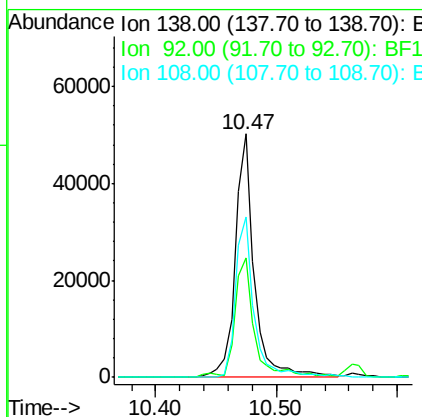
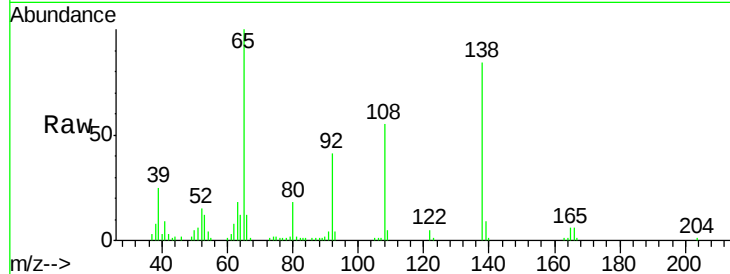
#61
4-Nitroaniline
Concen: 7.318 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.9	30.2	70.2
108	65.8	52.5	92.5

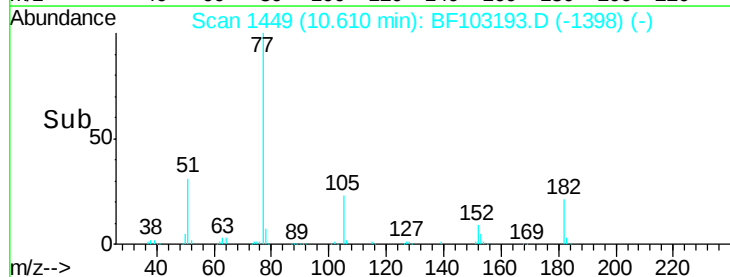
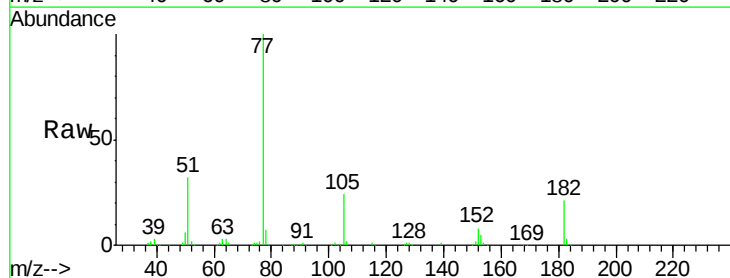
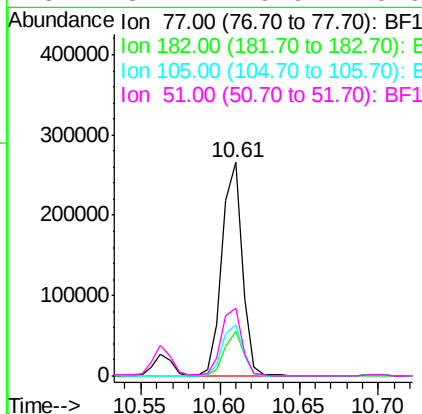
Manual Integrations
APPROVED

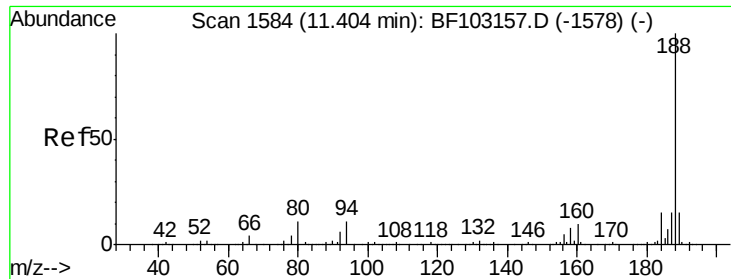
Sohil
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#62
Azobenzene
Concen: 8.518 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.3	1.7	41.7
105	24.0	3.0	43.0
51	31.7	9.9	49.9





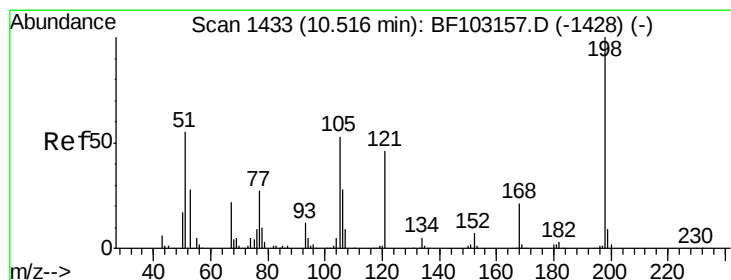
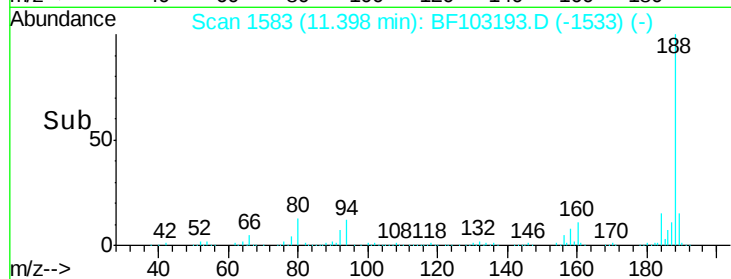
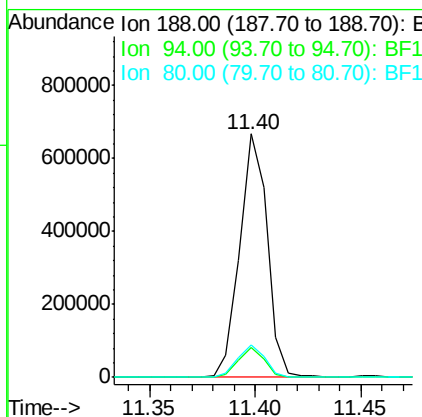
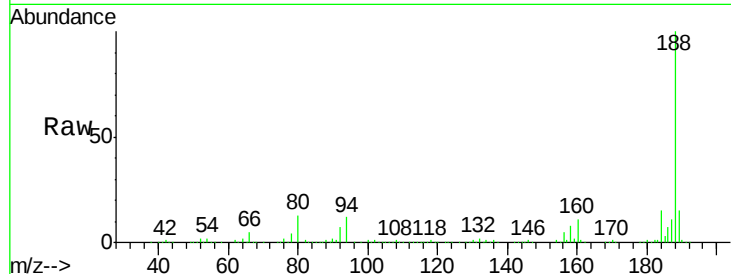
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	604884		
94	12.3		8.5	12.7
80	13.3		9.2	13.8

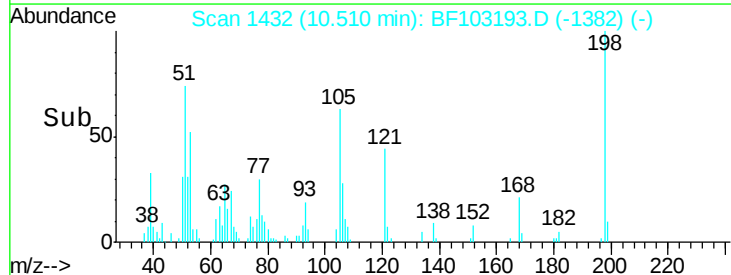
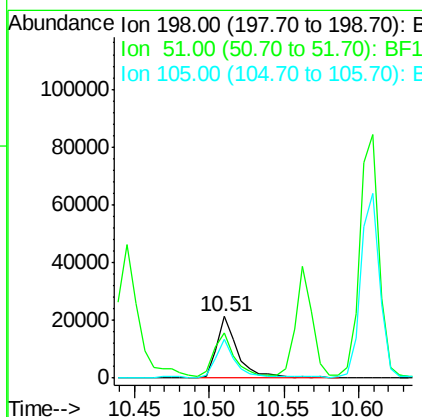
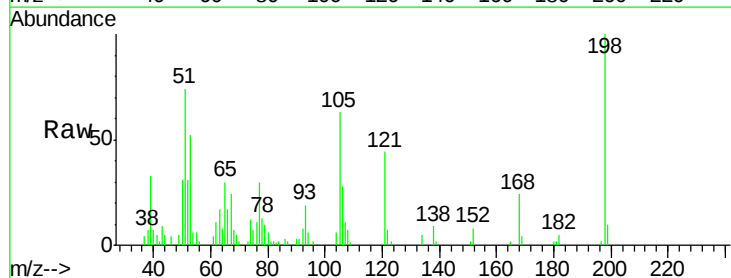
Manual Integrations
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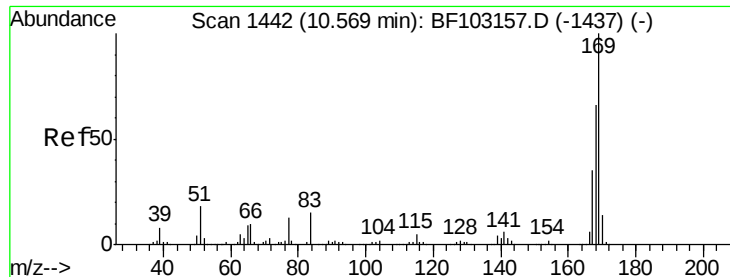
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 10.103 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	21163		
51	73.8		37.7	77.7
105	62.7		36.3	76.3





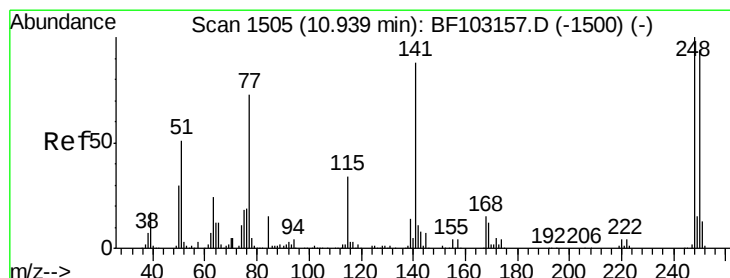
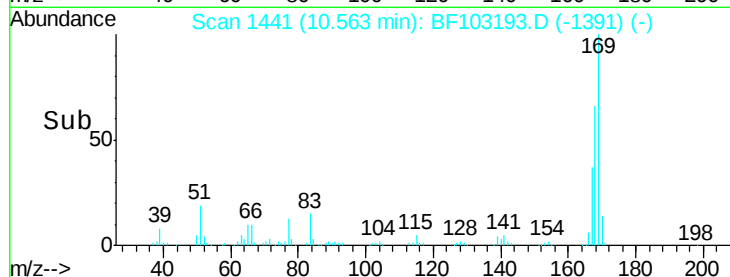
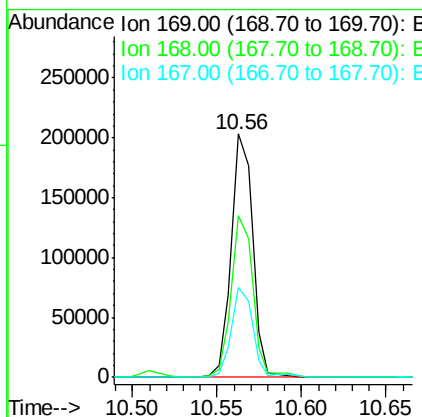
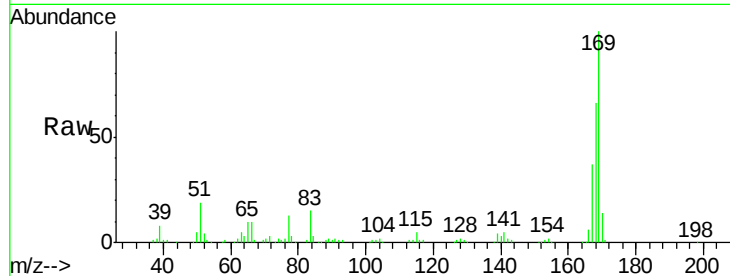
#65
 n-Nitrosodiphenylamine
 Concen: 8.486 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	178730		
168	66.4	54.4	81.6	
167	37.1	29.8	44.6	

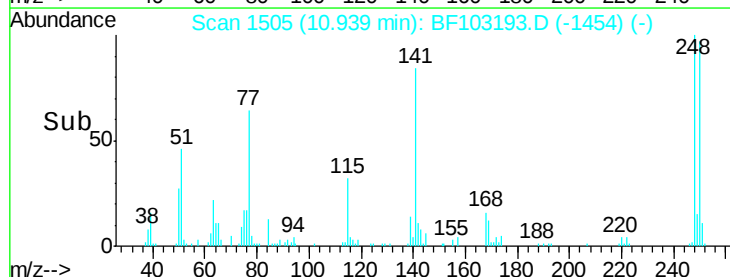
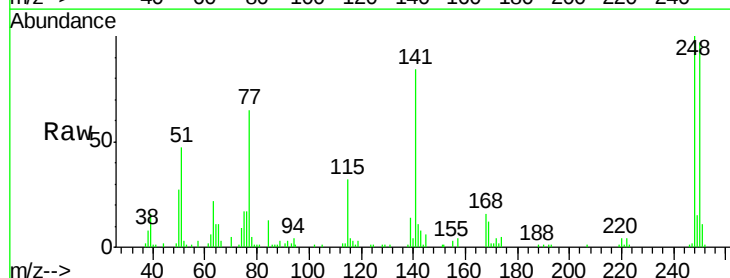
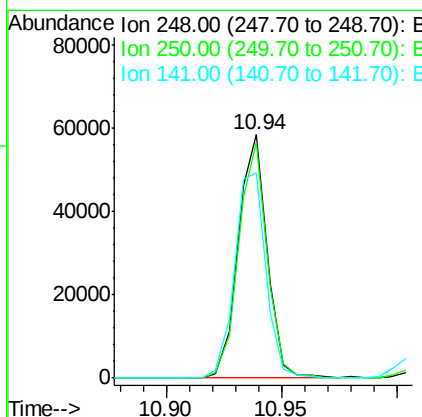
Manual Integrations
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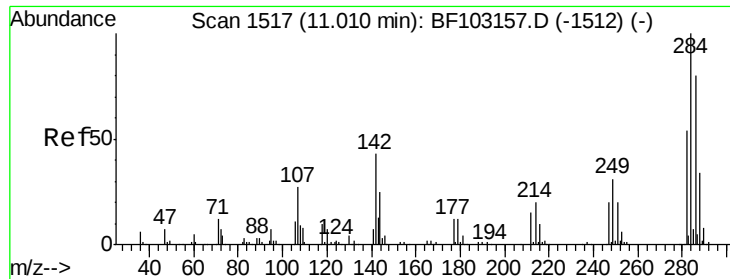
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#66
 4-Bromophenyl-phenylether
 Concen: 8.079 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	50905		
250	97.0	76.9	115.3	
141	84.2	74.4	111.6	





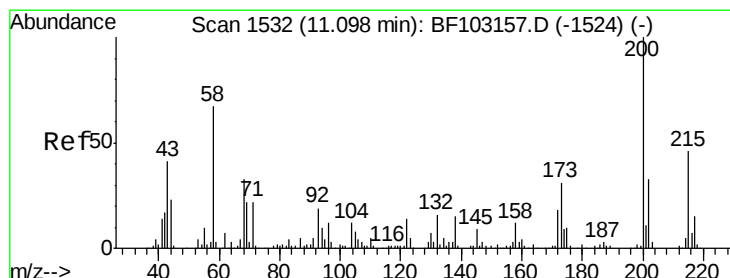
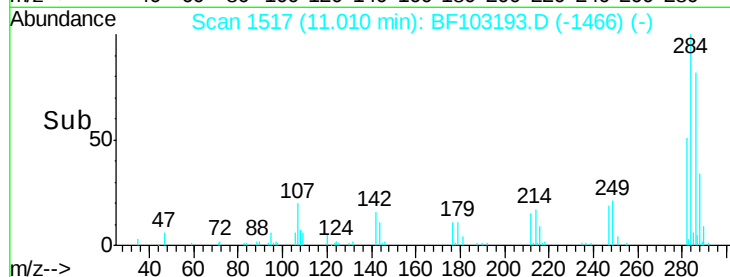
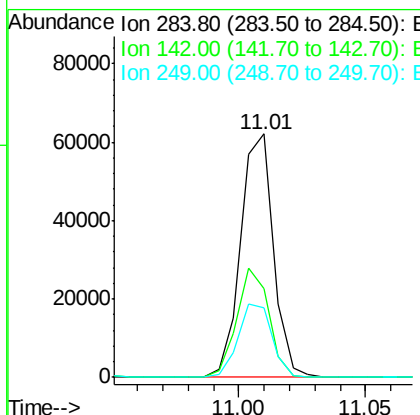
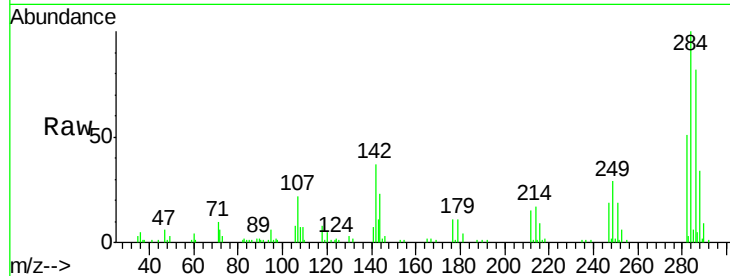
#67
Hexachlorobenzene
Concen: 8.129 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	55598		
142	36.6		34.6	52.0
249	28.7		24.8	37.2

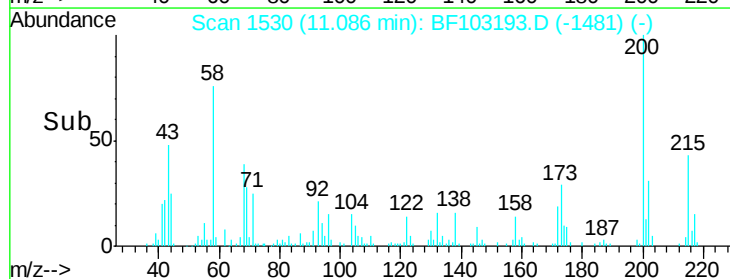
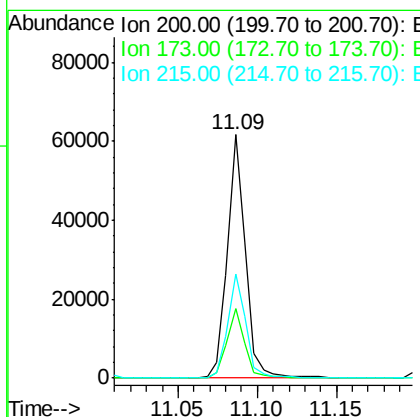
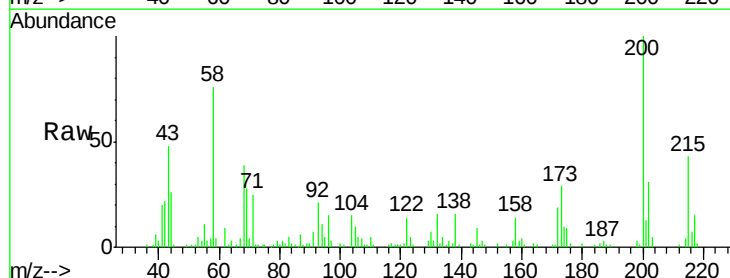
Manual Integrations
APPROVED

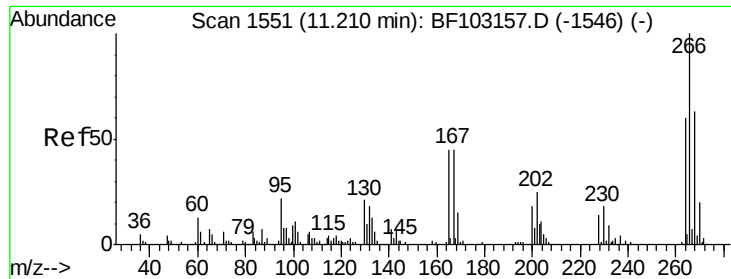
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#68
Atrazine
Concen: 7.726 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	48906		
173	28.7		8.6	48.6
215	42.7		25.1	65.1





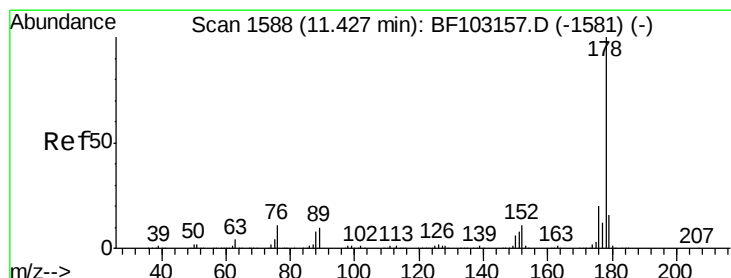
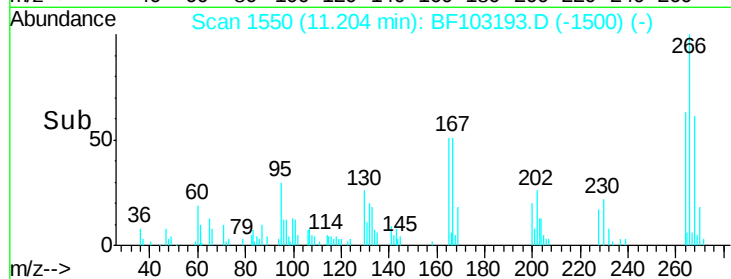
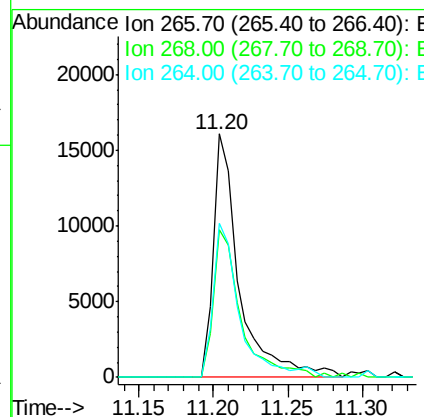
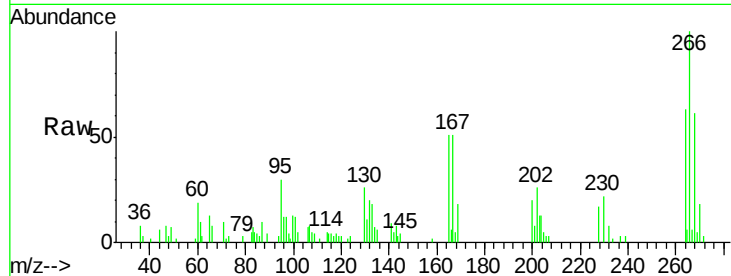
#69
 Pentachlorophenol
 Concen: 5.895 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	19495		
268	60.7	51.1	76.7	
264	69.0	49.5	74.3	

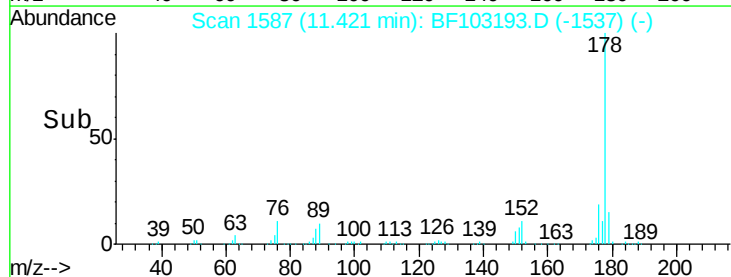
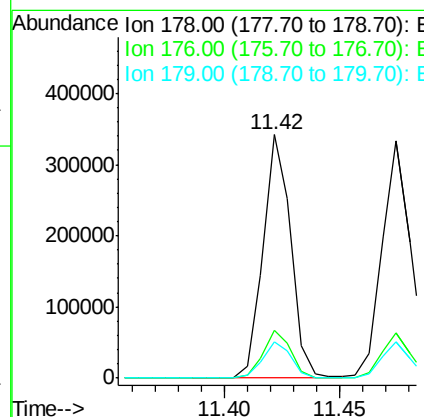
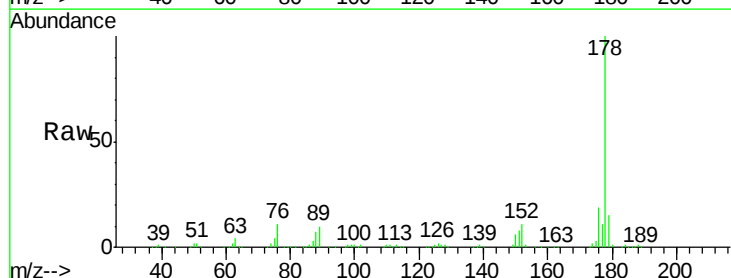
Manual Integrations
 APPROVED

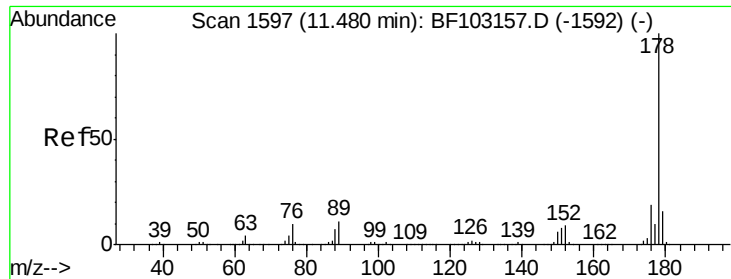
Sohil
 2/26/2018 9:54:36 AM



#70
 Phenanthrene
 Concen: 8.645 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	287774		
176	19.4	15.8	23.8	
179	14.8	13.0	19.6	





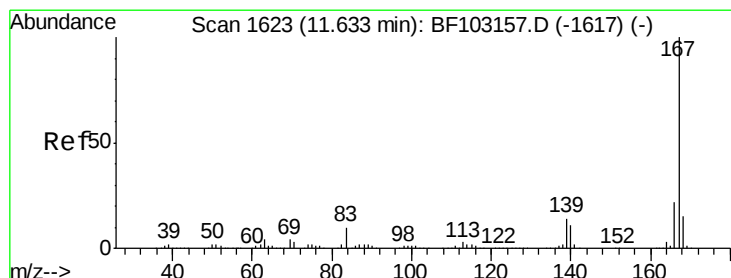
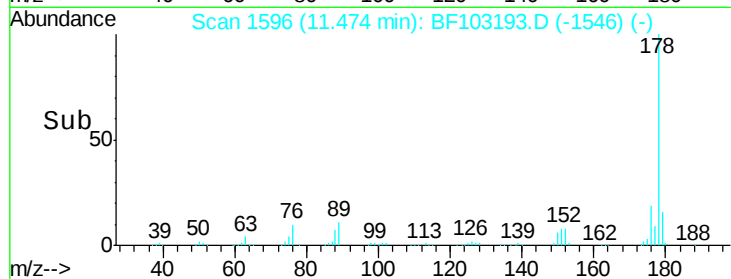
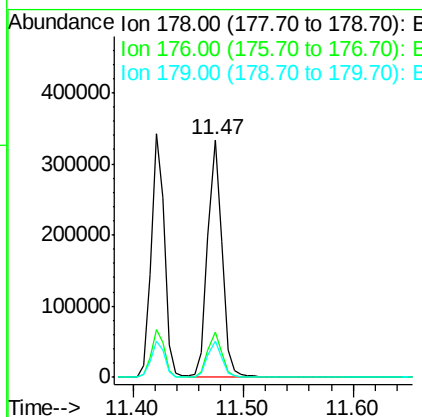
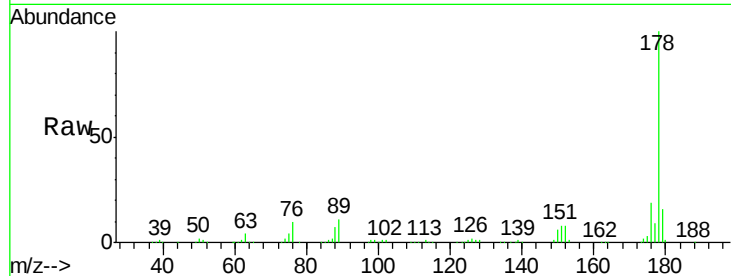
#71
 Anthracene
 Concen: 8.587 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.5	12.6	19.0

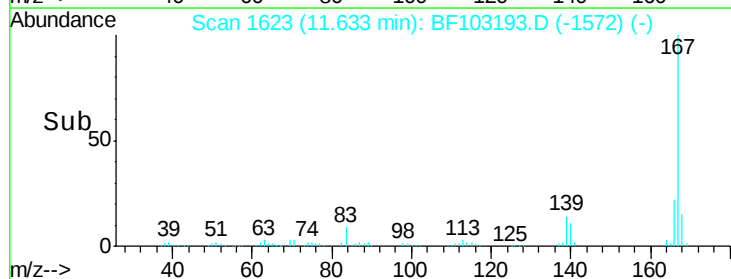
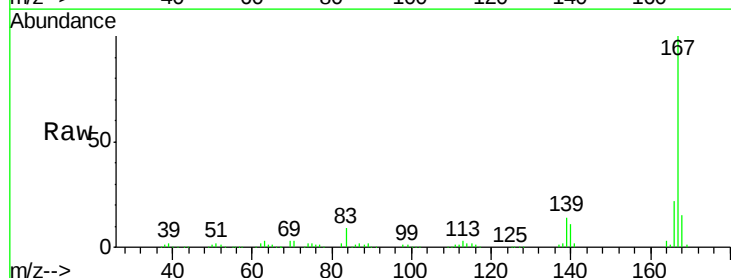
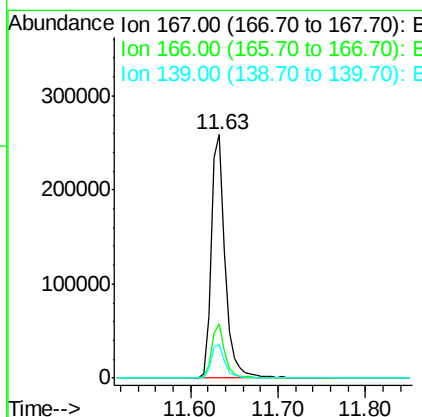
Manual Integrations
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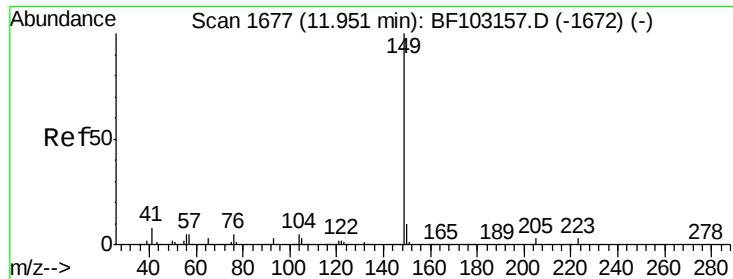
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#72
 Carbazole
 Concen: 8.389 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.00 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	13.9	10.9	16.3





#73

Di-n-butylphthalate

Concen: 8.416 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.00 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

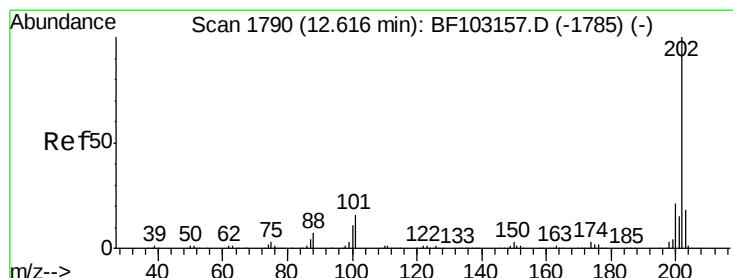
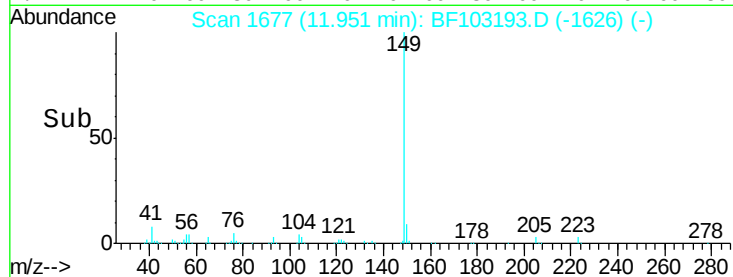
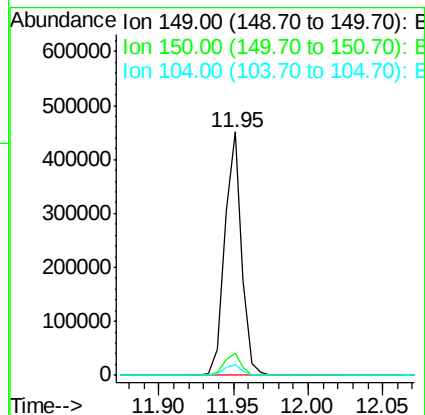
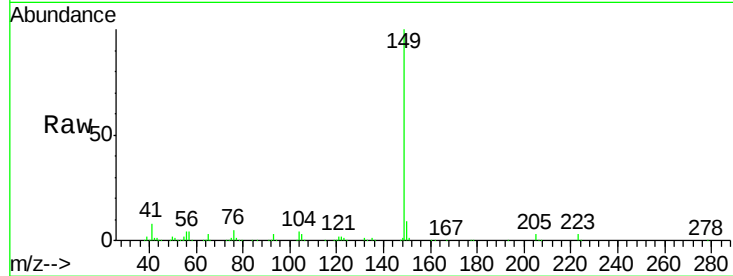
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	149	Resp:	357981
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.6
104	4.4	3.8	5.8

Manual Integrations
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#74

Fluoranthene

Concen: 8.329 ng

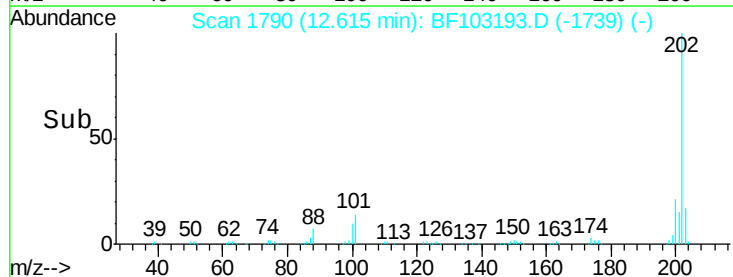
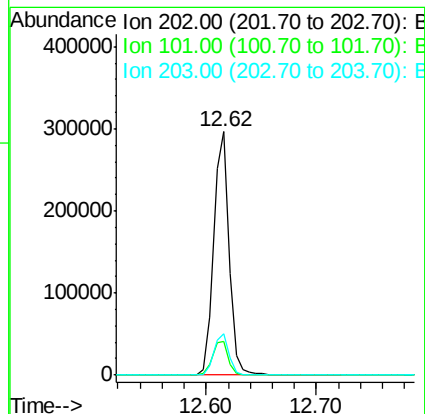
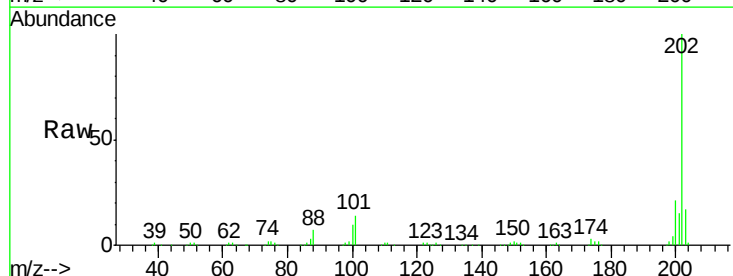
RT: 12.62 min Scan# 1790

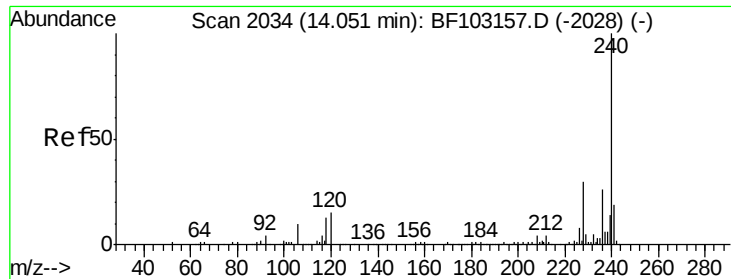
Delta R.T. -0.00 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	202	Resp:	278605
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	34.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

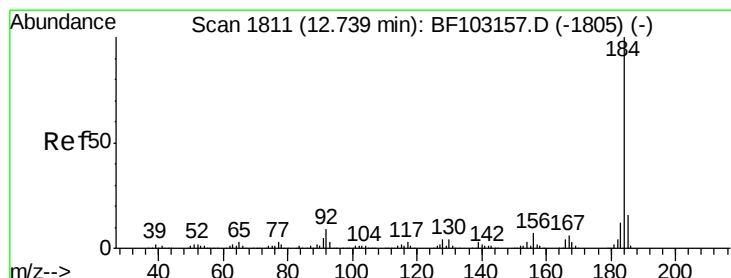
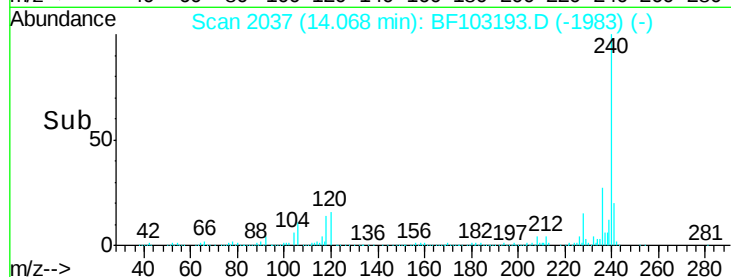
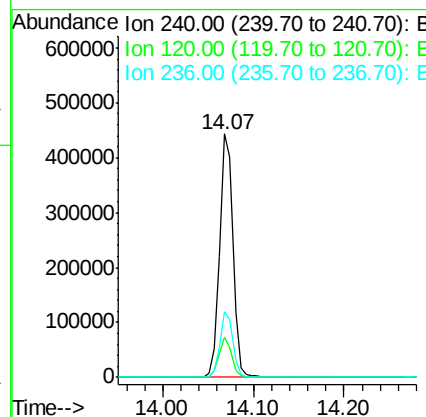
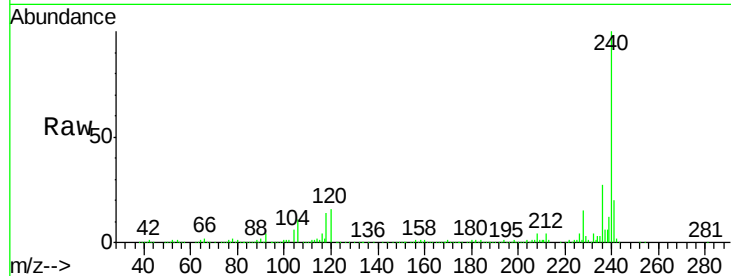
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	240	Resp:	453170
Ion Ratio	Lower	Upper	
240	100		
120	16.3	9.5	14.3#
236	26.9	20.7	31.1

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#76

Benzidine

Concen: 4.305 ng

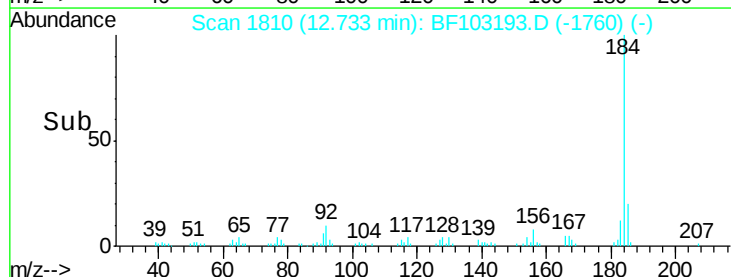
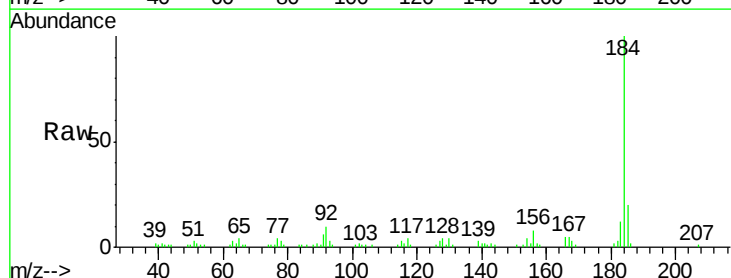
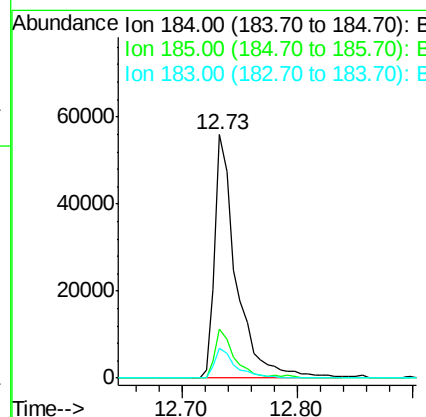
RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF103193.D

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Tgt Ion:	184	Resp:	72934
Ion Ratio	Lower	Upper	
184	100		
185	19.9	12.6	18.8#
183	12.4	9.3	13.9





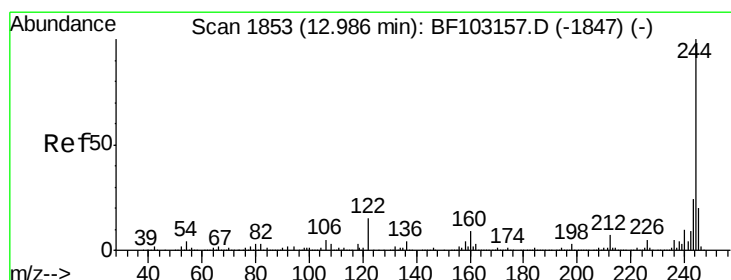
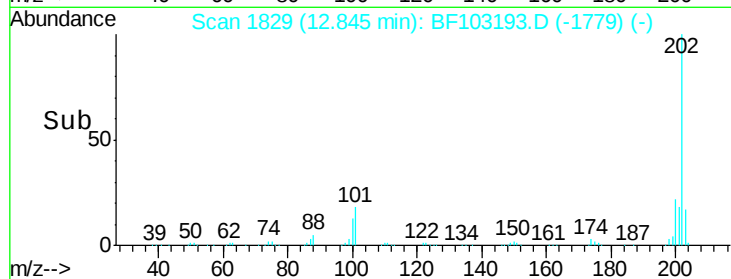
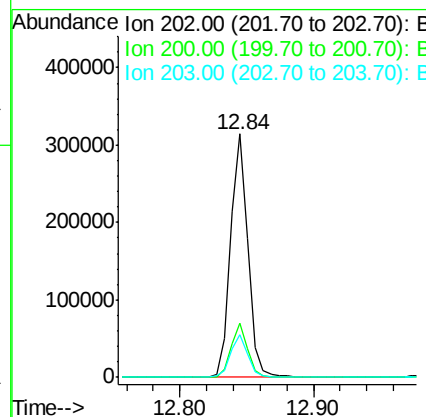
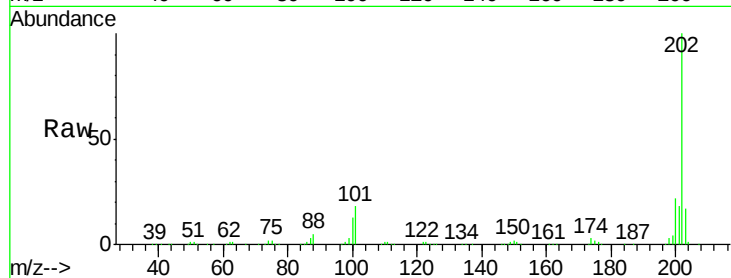
#77
 Pyrene
 Concen: 8.190 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.5	14.3	21.5

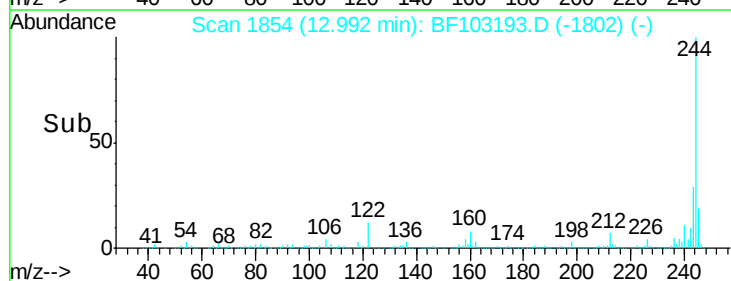
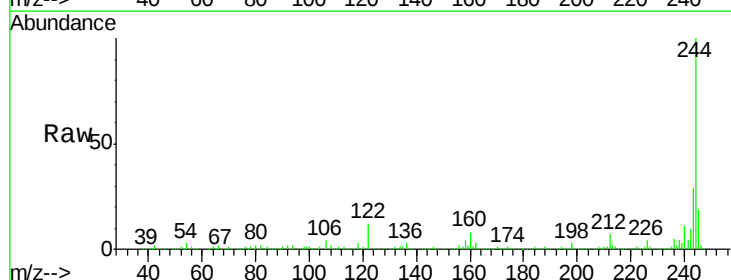
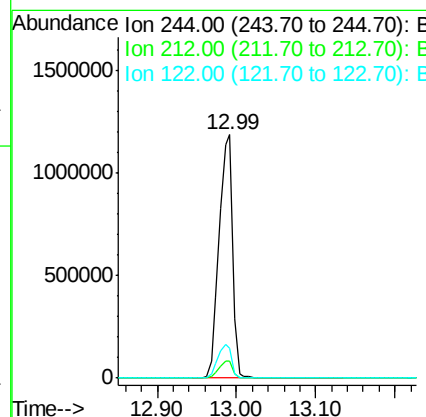
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#78
 Terphenyl-d14
 Concen: 74.622 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.5	11.0	16.4





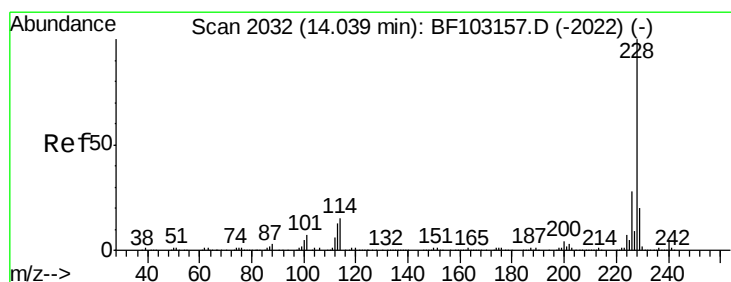
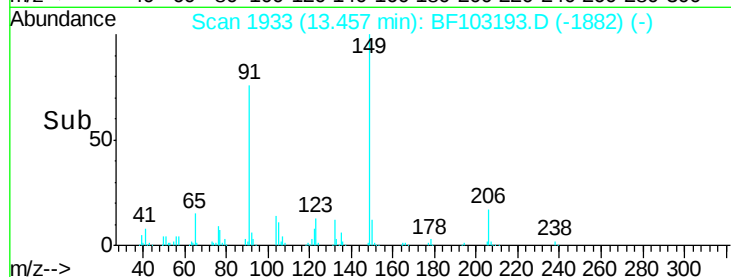
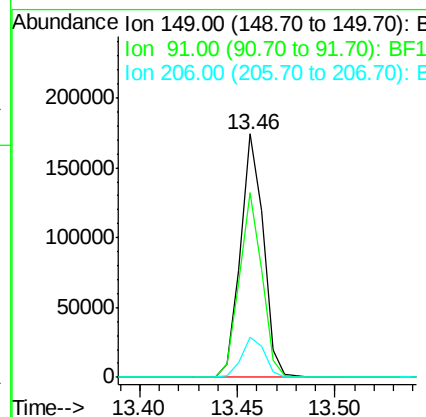
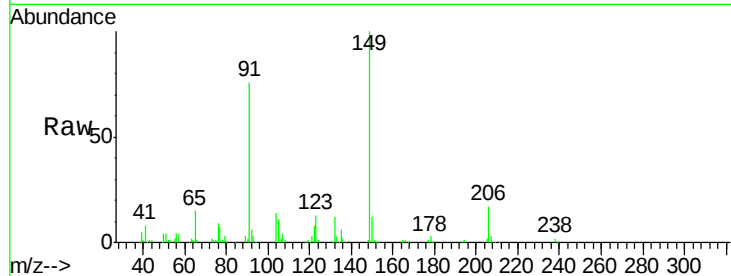
#79
Butylbenzylphthalate
Concen: 7.634 ng
RT: 13.46 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	76.1	56.8	85.2
206	16.6	14.1	21.1

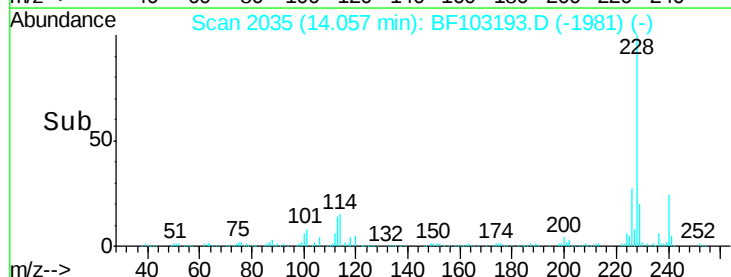
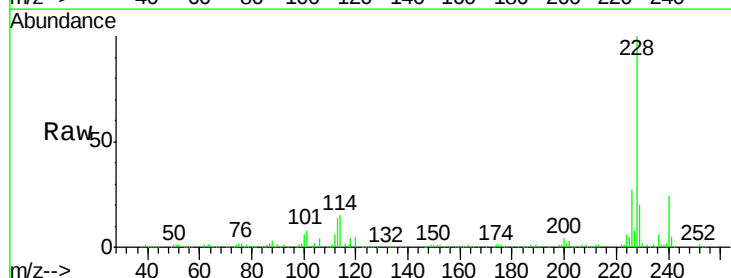
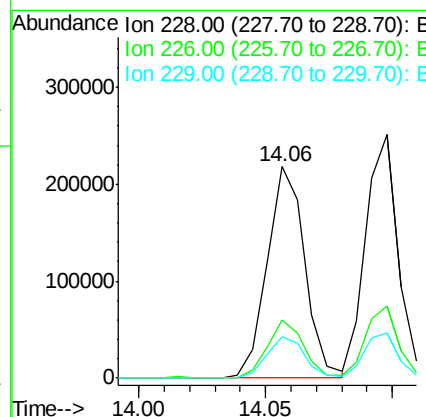
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#80
Benzo(a)anthracene
Concen: 7.727 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.2	22.6	33.8
229	19.8	15.8	23.6





#81

3,3'-Dichlorobenzidine

Concen: 7.481 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.02 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

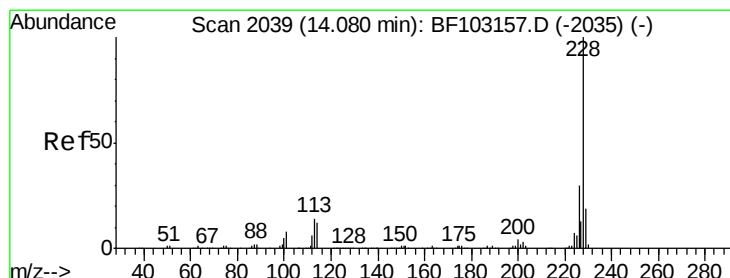
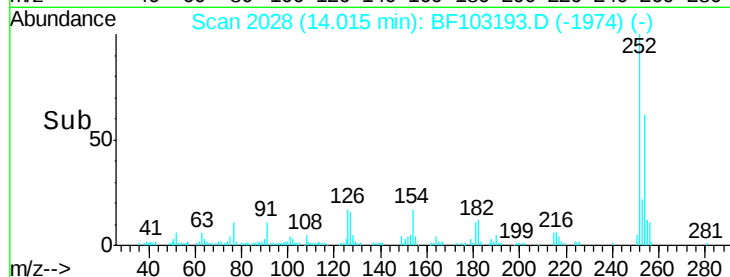
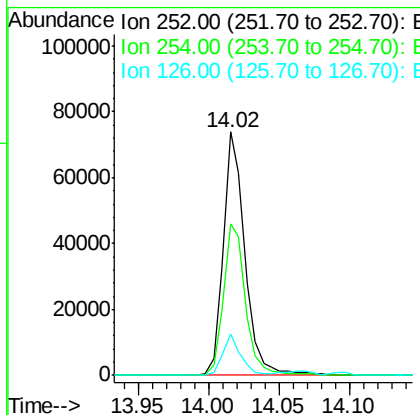
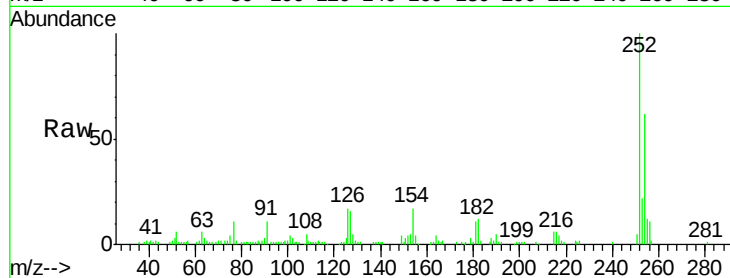
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	252	Resp:	78501
Ion Ratio		Lower	Upper
252	100		
254	62.3	50.4	75.6
126	16.8	11.3	16.9

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#82

Chrysene

Concen: 7.906 ng

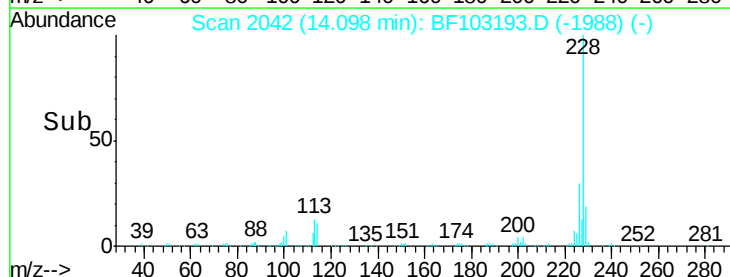
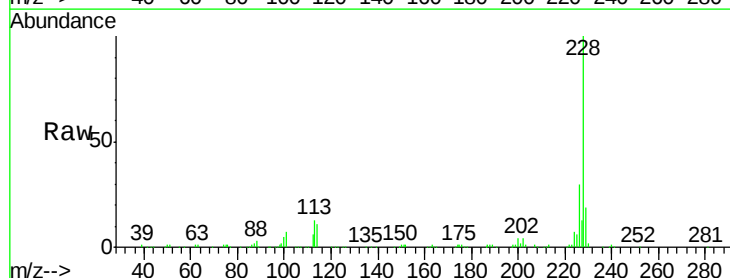
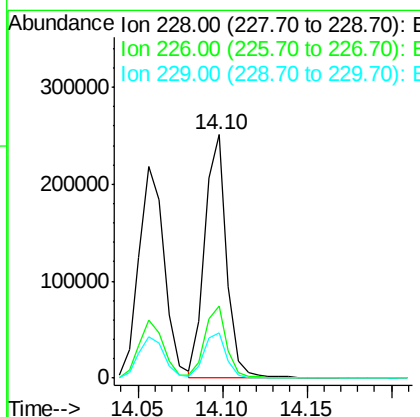
RT: 14.10 min Scan# 2042

Delta R.T. 0.02 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	228	Resp:	225718
Ion Ratio		Lower	Upper
228	100		
226	29.8	25.0	37.6
229	18.7	16.2	24.4





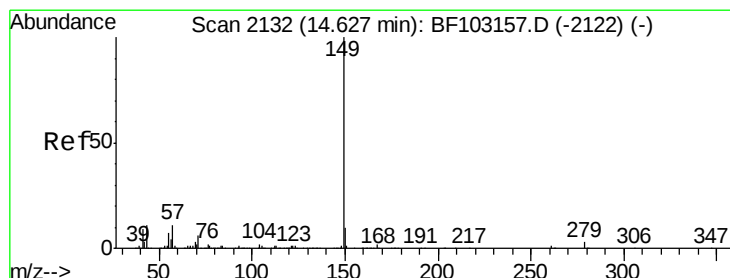
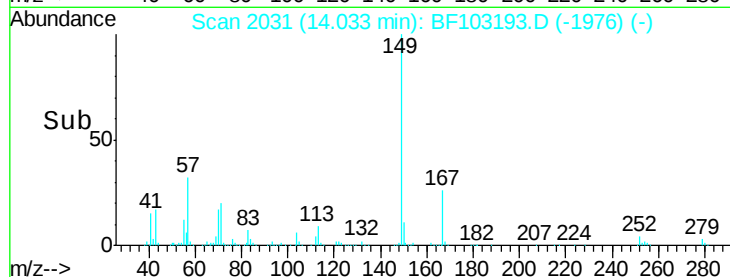
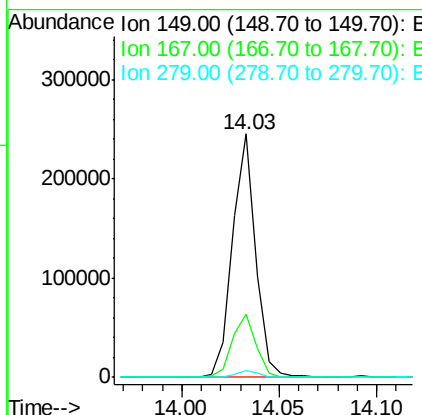
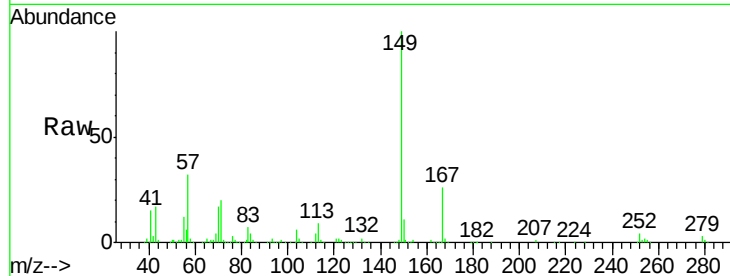
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.049 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.02 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.3	31.9
279	2.9	3.0	4.4#

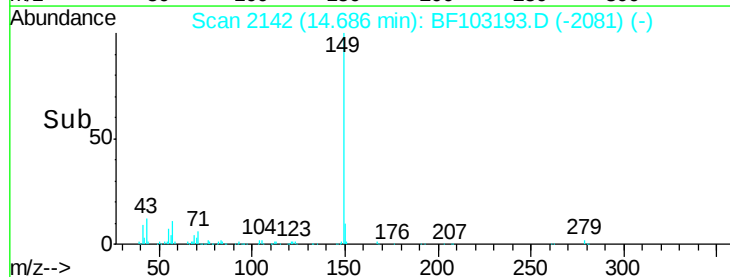
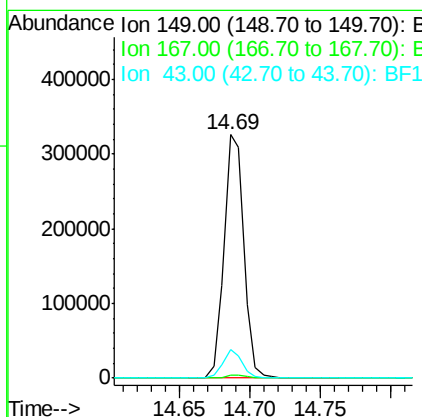
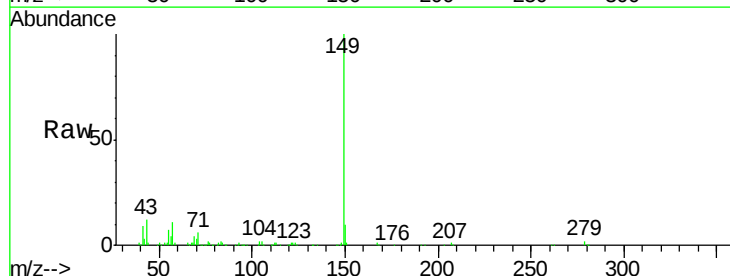
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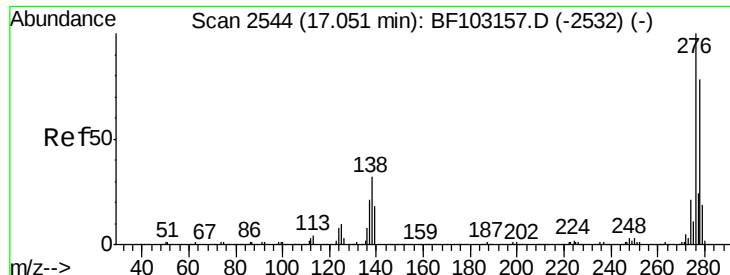
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#84
 Di-n-octyl phthalate
 Concen: 7.791 ng
 RT: 14.69 min Scan# 2142
 Delta R.T. 0.06 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	11.2	8.4	12.6





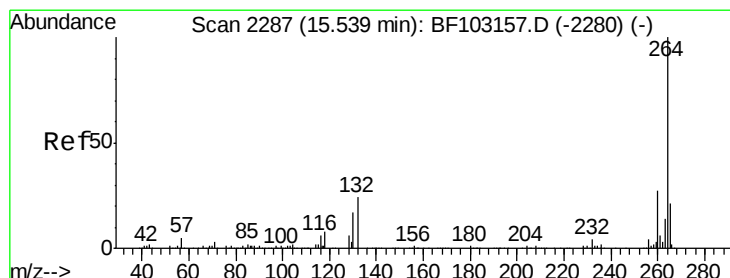
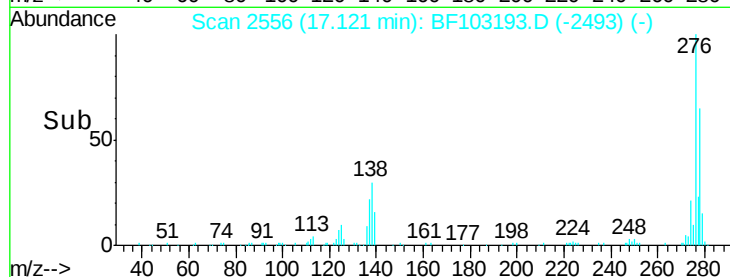
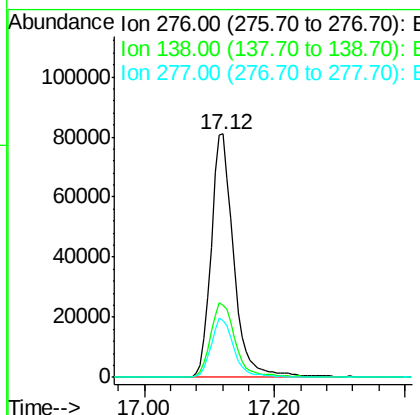
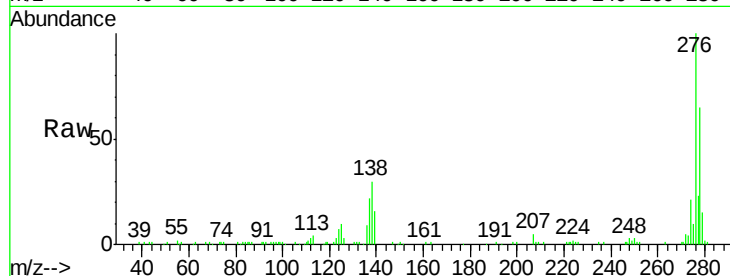
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.606 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.07 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.5	25.0	37.6
277	24.4	20.1	30.1

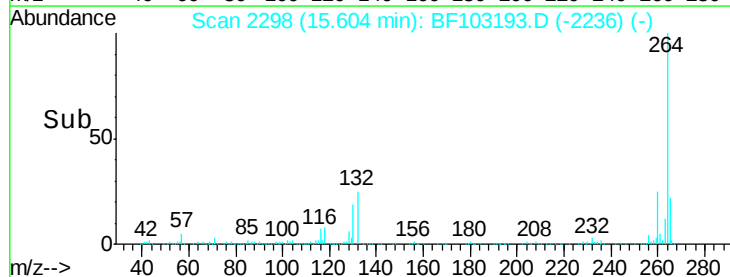
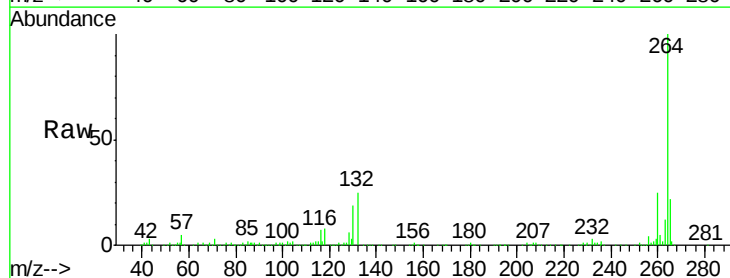
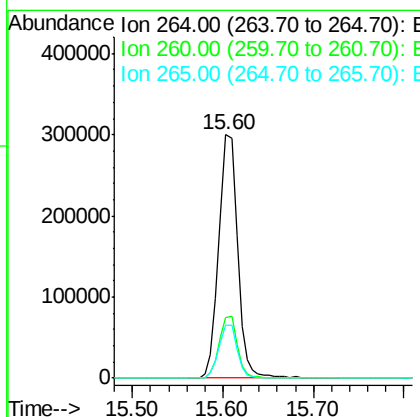
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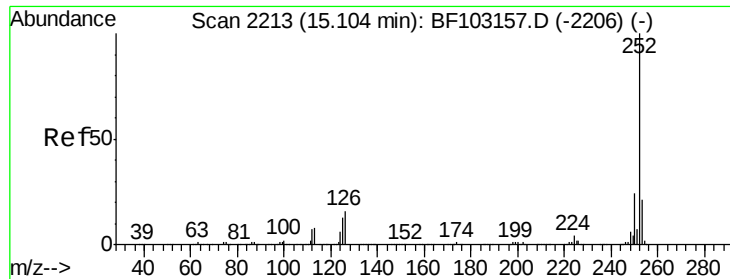
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.60 min Scan# 2298
 Delta R.T. 0.06 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.0	17.5	26.3





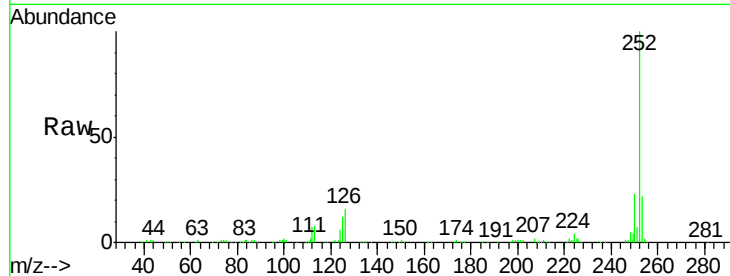
#87
Benzo(b)fluoranthene
Concen: 7.291 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.06 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

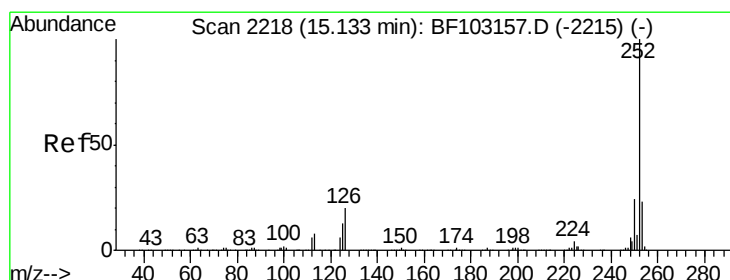
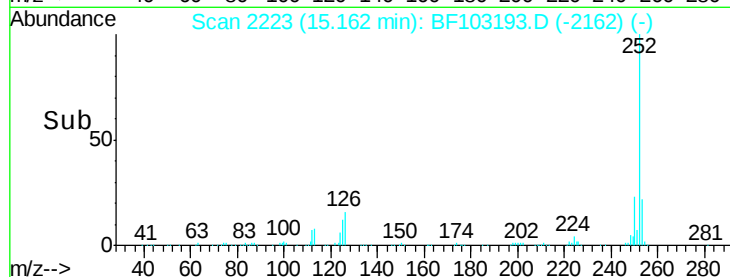
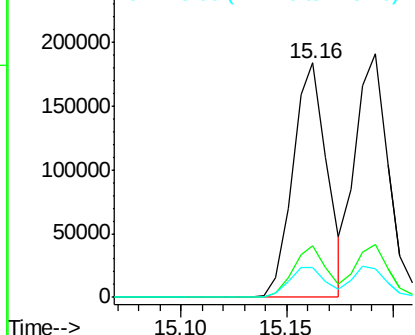
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	12.5	9.0	13.6

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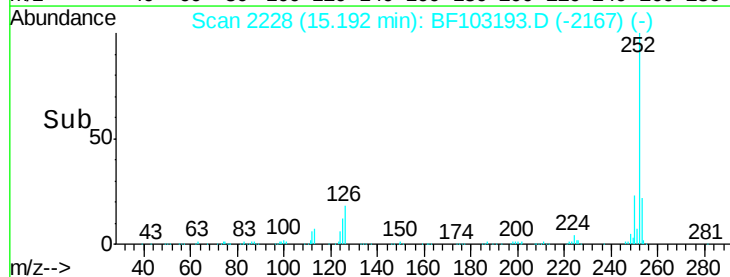
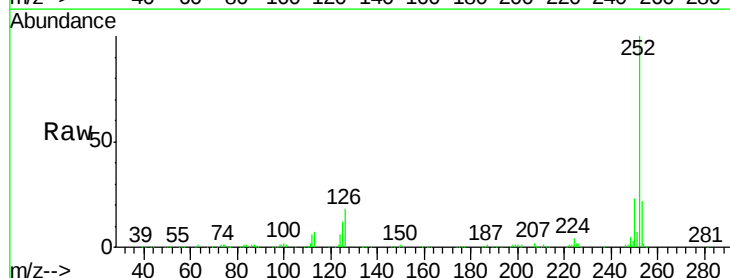
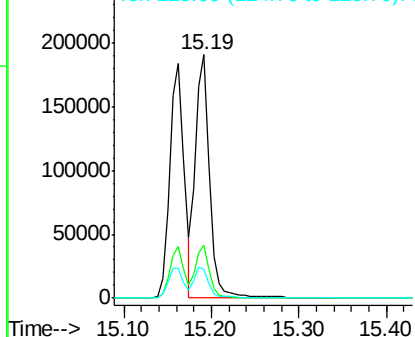
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

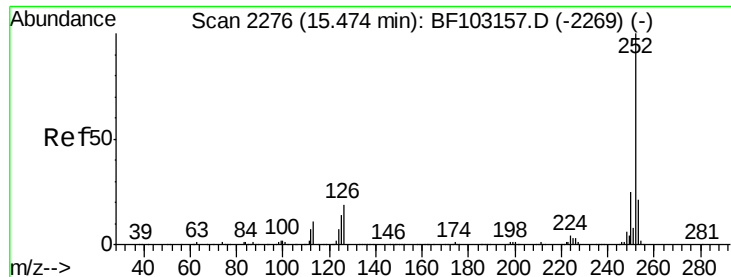


#88
Benzo(k)fluoranthene
Concen: 8.142 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.06 min
Lab File: BF103193.D
Acq: 23 Feb 2018 12:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	11.9	10.2	15.2

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





#89

Benzo(a)pyrene

Concen: 7.702 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.06 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Instrument :

BNA_F

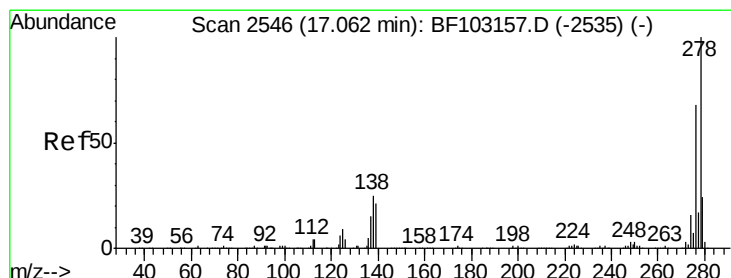
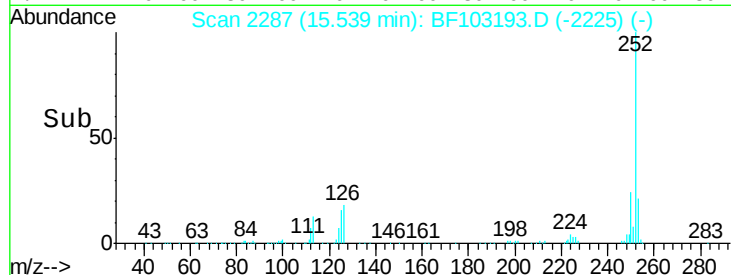
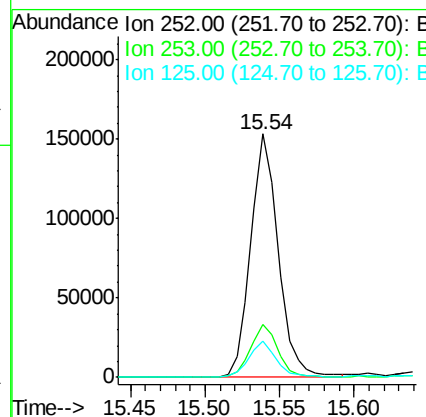
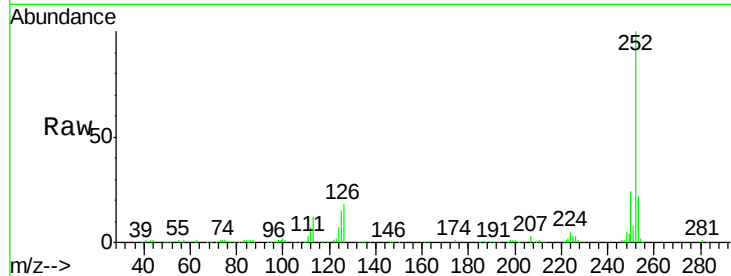
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	252	Resp:	195945
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.1	25.7
125	14.9	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 7.987 ng

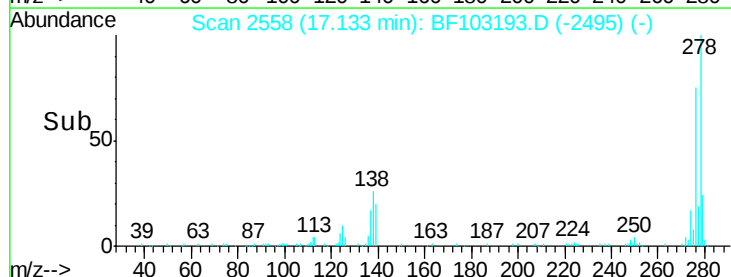
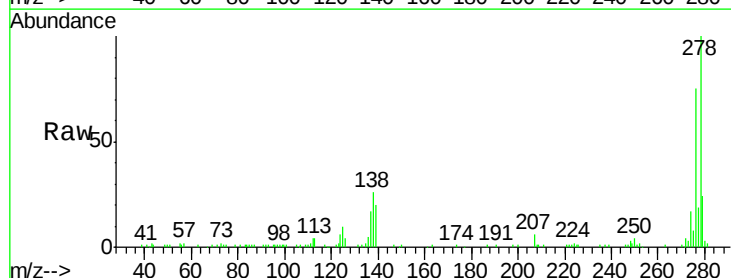
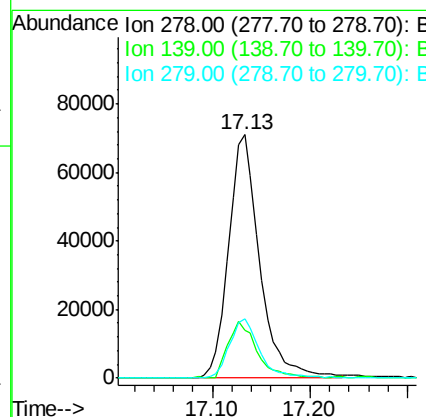
RT: 17.13 min Scan# 2558

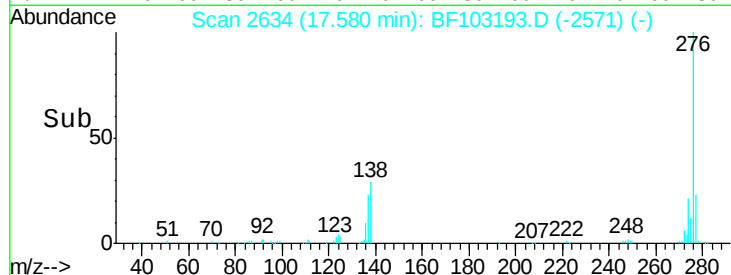
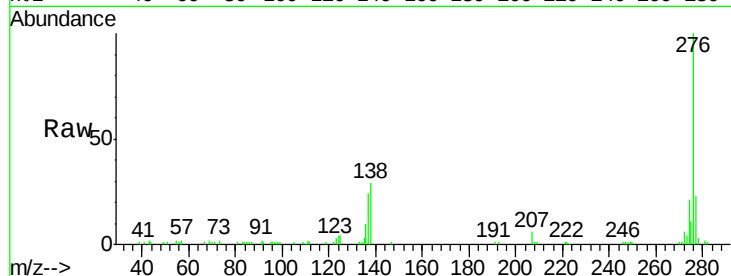
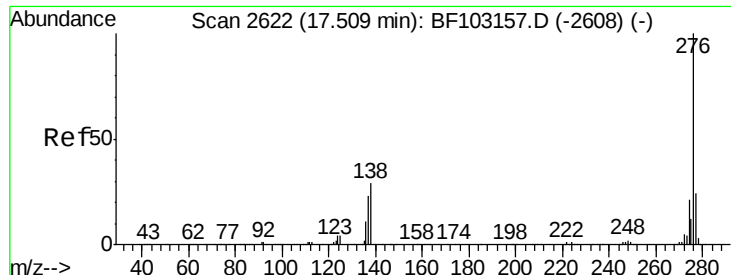
Delta R.T. 0.07 min

Lab File: BF103193.D

Acq: 23 Feb 2018 12:25

Tgt Ion:	278	Resp:	157016
Ion Ratio	Lower	Upper	
278	100		
139	19.9	15.9	23.9
279	24.4	19.0	28.4





#91
 Benzo(g,h,i)perylene
 Concen: 8.395 ng
 RT: 17.58 min Scan# 2634
 Delta R.T. 0.07 min
 Lab File: BF103193.D
 Acq: 23 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion:	276	Resp:	161284
Ion Ratio		Lower	Upper
276	100		
277	22.7	17.9	26.9
138	28.9	21.8	32.8

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