

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
 Data File : BF110089.D
 Acq On : 23 Oct 2018 20:37
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 5PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:05 PM

Quant Time: Oct 24 05:58:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	178278	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	758697	20.00	ng	-0.02
39) Acenaphthene-d10	10.00	164	369248	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	717002	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	610974	20.00	ng	-0.02
87) Perylene-d12	15.67	264	519471	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	1394309	127.36	ng	-0.02
7) Phenol-d6	6.59	99	1789688	127.81	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1056032	82.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	473153	129.36	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	1912143	81.32	ng	-0.02
79) Terphenyl-d14	13.09	244	1998841	68.04	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	24535	4.278	ng	93
3) Pyridine	3.67	79	61947	4.849	ng	# 84
4) n-Nitrosodimethylamine	3.55	42	27156	5.074	ng	# 92
6) Aniline	6.63	93	85147	4.668	ng	# 56
8) 2-Chlorophenol	6.75	128	66619	5.278	ng	97
9) Benzaldehyde	6.52	77	41547	3.410	ng	89
10) Phenol	6.60	94	77984	5.210	ng	# 65
11) bis(2-Chloroethyl)ether	6.70	93	65418	5.312	ng	99
12) 1,3-Dichlorobenzene	6.90	146	74129	5.337	ng	96
13) 1,4-Dichlorobenzene	6.98	146	73413	5.226	ng	99
14) 1,2-Dichlorobenzene	7.13	146	70443	5.402	ng	99
15) Benzyl Alcohol	7.10	79	68258	6.338	ng	88
16) 2,2'-oxybis(1-Chloropropan	7.23	45	107549	5.462	ng	66
17) 2-Methylphenol	7.20	107	54098	5.378	ng	# 81
18) Hexachloroethane	7.47	117	26672	5.186	ng	94
19) n-Nitroso-di-n-propylamine	7.36	70	46563	5.183	ng	91
20) 3+4-Methylphenols	7.35	107	71300	5.484	ng	# 86
22) Acetophenone	7.37	105	97497	5.577	ng	# 98
24) Nitrobenzene	7.55	77	72111	5.460	ng	93
25) Isophorone	7.77	82	129981	5.961	ng	98
26) 2-Nitrophenol	7.86	139	29152	4.639	ng	94
27) 2,4-Dimethylphenol	7.89	122	58205	5.586	ng	98
28) bis(2-Chloroethoxy)methane	7.99	93	82997	5.603	ng	98
29) 2,4-Dichlorophenol	8.10	162	54097	5.139	ng	98
30) 1,2,4-Trichlorobenzene	8.19	180	61820	5.243	ng	98
31) Naphthalene	8.27	128	208134	5.952	ng	99
32) Benzoic acid	7.95	122	22095m	2.744	ng	
33) 4-Chloroaniline	8.32	127	67015	4.258	ng	95
34) Hexachlorobutadiene	8.38	225	33745	5.155	ng	99
35) Caprolactam	8.65	113	16388	4.467	ng	# 89
36) 4-Chloro-3-methylphenol	8.78	107	59817	5.255	ng	97
37) 2-Methylnaphthalene	8.96	142	141630	6.122	ng	97
38) 1-Methylnaphthalene	9.06	142	133041	5.951	ng	96
40) 1,2,4,5-Tetrachlorobenzene	9.12	216	58948	5.124	ng	98

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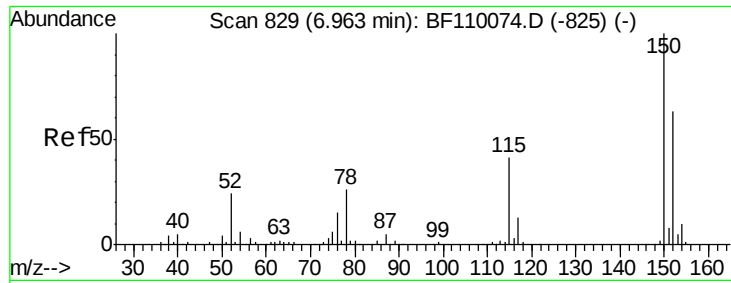
Manual Integrations
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 10/24/2018 5:12:05 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.11	237	28260	4.804	ng	98
43) 2,4,6-Trichlorophenol	9.23	196	36225	4.882	ng	96
44) 2,4,5-Trichlorophenol	9.27	196	41087	5.238	ng	96
46) 1,1'-Biphenyl	9.42	154	177930	5.329	ng	100
47) 2-Chloronaphthalene	9.45	162	135618	5.537	ng	98
48) 2-Nitroaniline	9.54	65	37769	5.089	ng	96
49) Acenaphthylene	9.87	152	206135	5.827	ng	100
50) Dimethylphthalate	9.72	163	151974	5.576	ng	99
51) 2,6-Dinitrotoluene	9.78	165	31808	5.418	ng	90
52) Acenaphthene	10.04	154	131072	5.601	ng	96
53) 3-Nitroaniline	9.95	138	30484	4.366	ng	91
54) 2,4-Dinitrophenol	10.06	184	6603	7.825	ng	93
55) Dibenzofuran	10.21	168	186414	5.689	ng	94
56) 4-Nitrophenol	10.10	139	25515	4.938	ng	93
57) 2,4-Dinitrotoluene	10.19	165	39299	5.270	ng	# 84
58) Fluorene	10.56	166	148851	6.104	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.33	232	32511m	5.085	ng	
60) Diethylphthalate	10.42	149	148369	5.576	ng	98
61) 4-Chlorophenyl-phenylether	10.55	204	70041	5.444	ng	96
62) 4-Nitroaniline	10.56	138	35350	5.090	ng	89
63) Azobenzene	10.70	77	149031	5.643	ng	99
65) 4,6-Dinitro-2-methylphenol	10.59	198	11520	3.517	ng	86
66) n-Nitrosodiphenylamine	10.66	169	126180	5.365	ng	95
67) 4-Bromophenyl-phenylether	11.04	248	41517	5.338	ng	98
68) Hexachlorobenzene	11.10	284	43072	5.220	ng	96
69) Atrazine	11.18	200	41345	5.563	ng	97
70) Pentachlorophenol	11.30	266	16038	3.333	ng	98
71) Phenanthrene	11.52	178	225549	6.012	ng	99
72) Anthracene	11.57	178	229947	6.115	ng	98
73) Carbazole	11.73	167	199928	5.445	ng	98
74) Di-n-butylphthalate	12.05	149	236018	5.692	ng	99
75) Fluoranthene	12.71	202	231237	6.073	ng	99
77) Benzidine	12.83	184	54039	2.127	ng	# 92
78) Pyrene	12.94	202	231606	5.288	ng	99
80) Butylbenzylphthalate	13.55	149	95512	5.024	ng	94
81) Benzo(a)anthracene	14.13	228	207350	5.723	ng	98
82) 3,3'-Dichlorobenzidine	14.09	252	49262	3.905	ng	98
83) Chrysene	14.17	228	196510	5.710	ng	99
84) Bis(2-ethylhexyl)phthalate	14.10	149	135349	5.267	ng	98
85) Di-n-octyl phthalate	14.72	149	210625	5.271	ng	99
86) Indeno(1,2,3-cd)pyrene	17.22	276	150126	5.259	ng	95
88) Benzo(b)fluoranthene	15.21	252	172641	5.755	ng	100
89) Benzo(k)fluoranthene	15.24	252	170852m	5.793	ng	
90) Benzo(a)pyrene	15.59	252	158916	5.757	ng	95
91) Dibenzo(a,h)anthracene	17.23	278	127226	5.342	ng	95
92) Benzo(g,h,i)perylene	17.69	276	118239	5.038	ng	96

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



#1

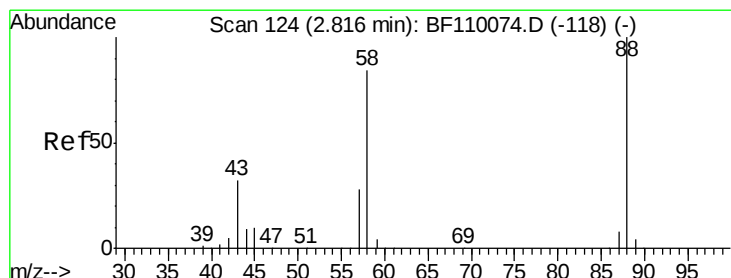
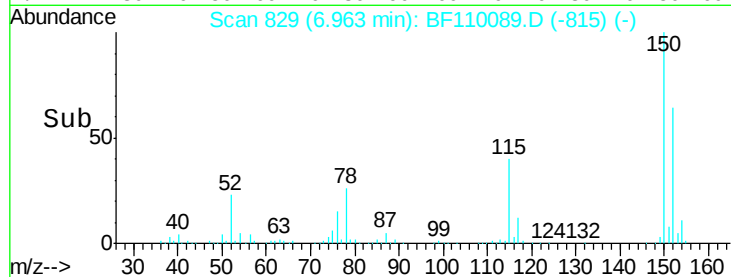
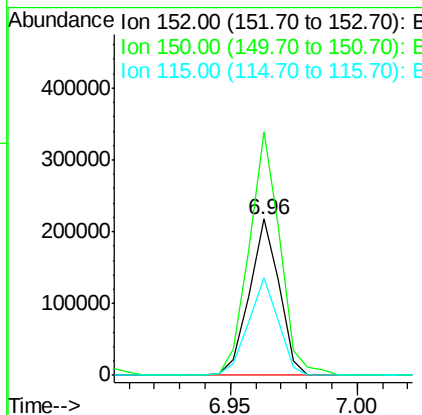
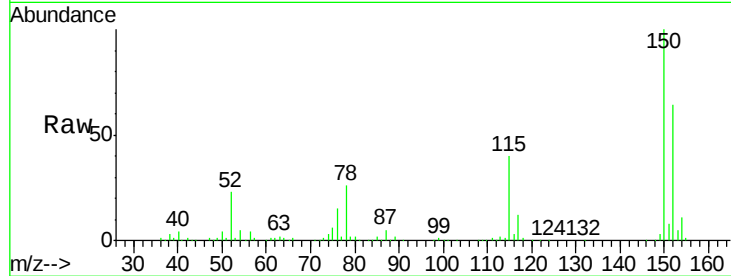
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.9	122.7	184.1
115	62.2	49.1	73.7

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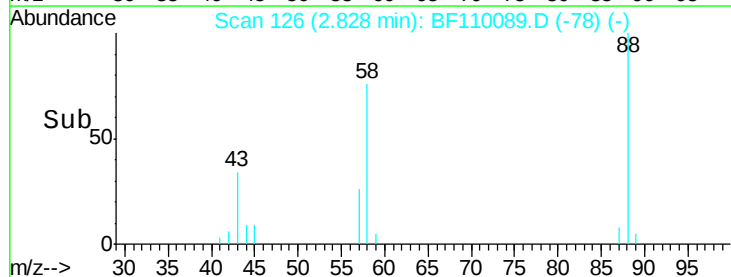
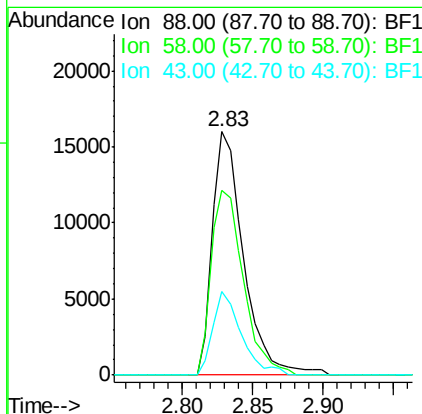
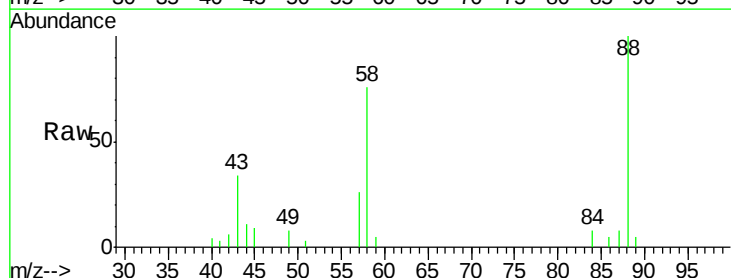
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#2

1,4-Dioxane
Concen: 4.278 ng
RT: 2.83 min Scan# 126
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.5	57.1	85.7
43	31.6	24.1	36.1





#3

Pyridine

Concen: 4.849 ng

RT: 3.67 min Scan# 269

Delta R.T. 0.05 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

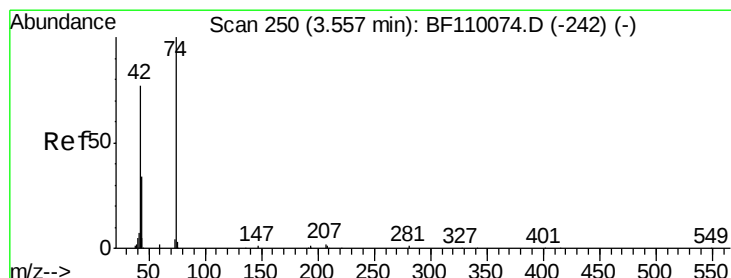
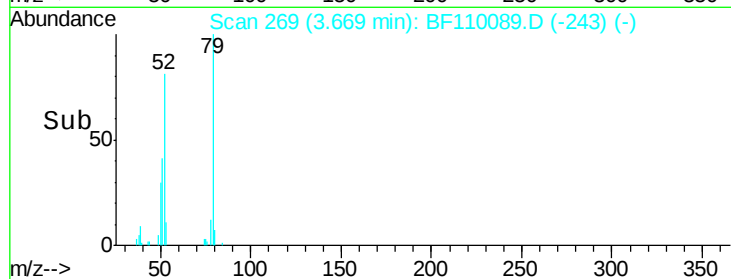
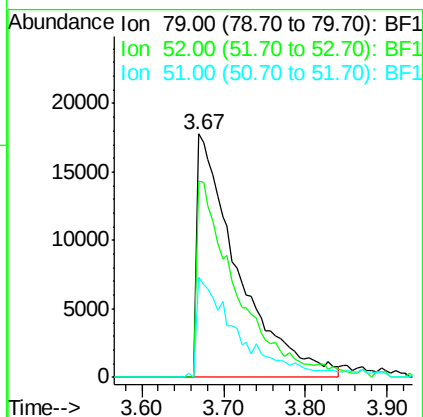
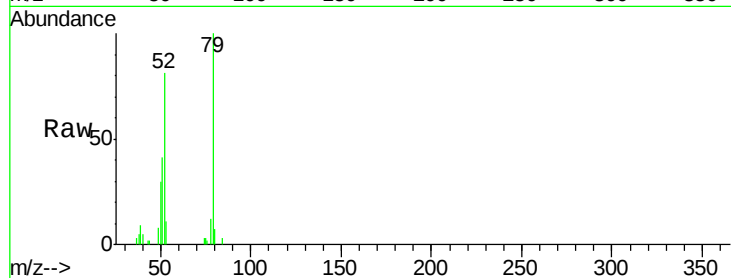
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
79	100		
52	80.6	53.1	79.7#
51	40.9	27.4	41.2

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 5.074 ng

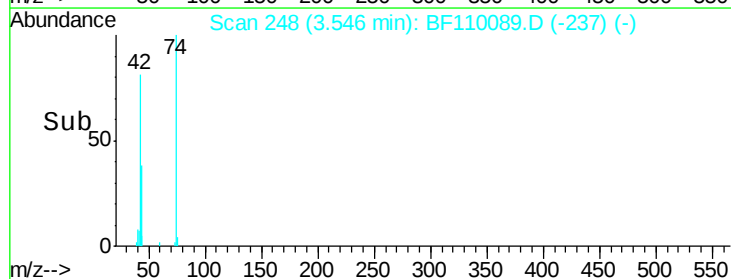
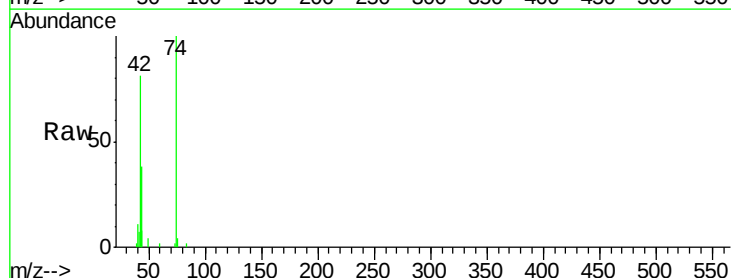
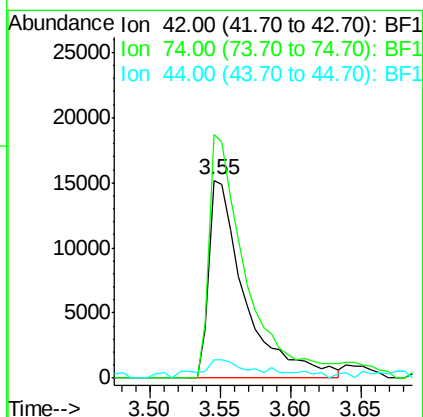
RT: 3.55 min Scan# 248

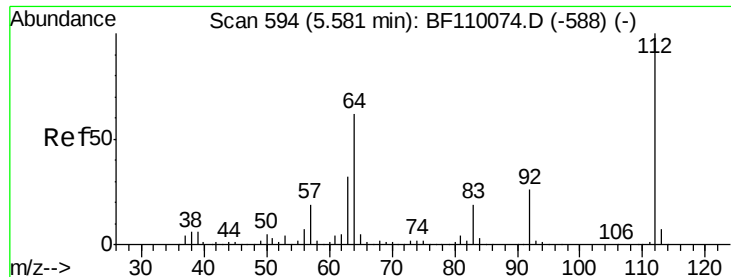
Delta R.T. -0.04 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
42	100		
74	123.0	105.5	158.3
44	9.4	4.9	7.3#





#5

2-Fluorophenol

Concen: 127.361 ng

RT: 5.58 min Scan# 594

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 112 Resp: 1394309

Ion Ratio Lower Upper

112 100

64 63.3 44.1 66.1

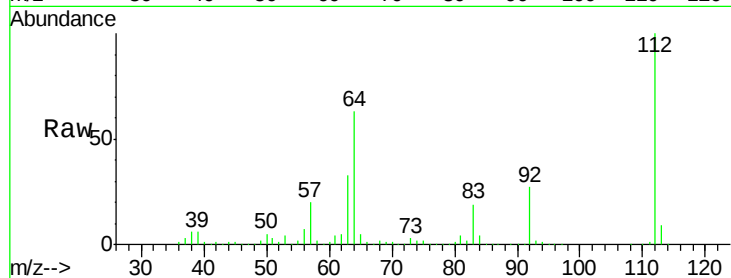
63 33.2 23.7 35.5

Manual Integrations

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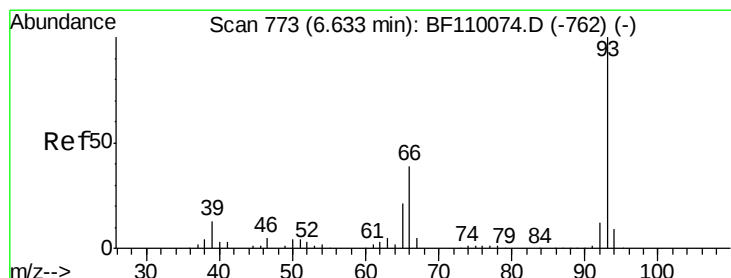
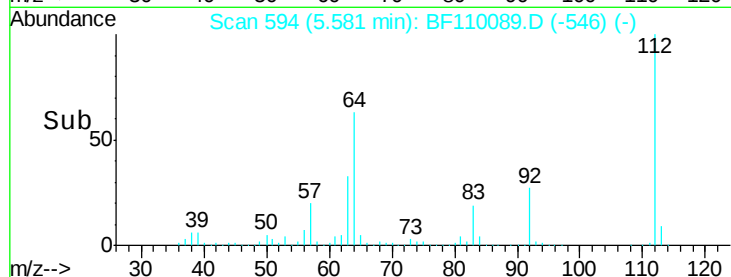
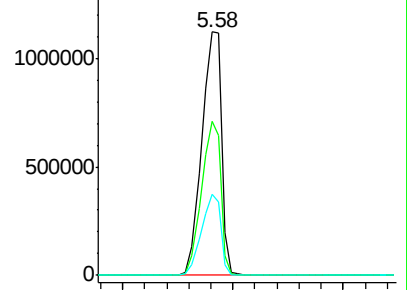
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Abundance Ion 112.00 (111.70 to 112.70): BF110089.D (-546) (-)

Ion 64.00 (63.70 to 64.70): BF110089.D (-546) (-)

Ion 63.00 (62.70 to 63.70): BF110089.D (-546) (-)



#6

Aniline

Concen: 4.668 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

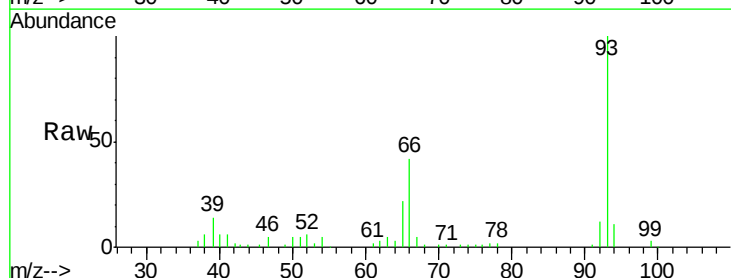
Tgt Ion: 93 Resp: 85147

Ion Ratio Lower Upper

93 100

66 42.5 67.4 101.0#

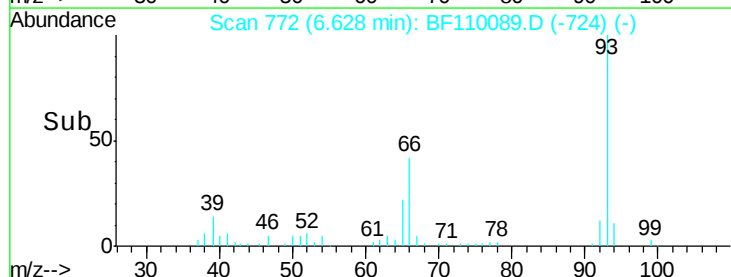
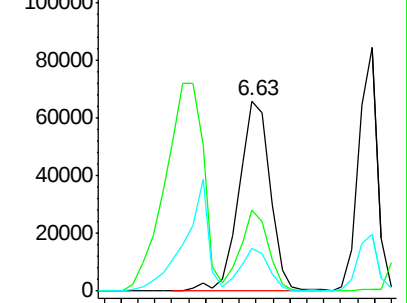
65 22.4 41.0 61.4#

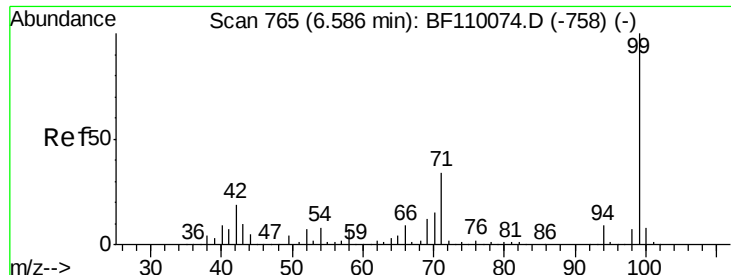


Abundance Ion 93.00 (92.70 to 93.70): BF110089.D (-724) (-)

Ion 66.00 (65.70 to 66.70): BF110089.D (-724) (-)

Ion 65.00 (64.70 to 65.70): BF110089.D (-724) (-)





#7

Phenol-d6

Concen: 127.808 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 99 Resp: 1789688

Ion Ratio Lower Upper

99 100

42 19.9 15.8 23.6

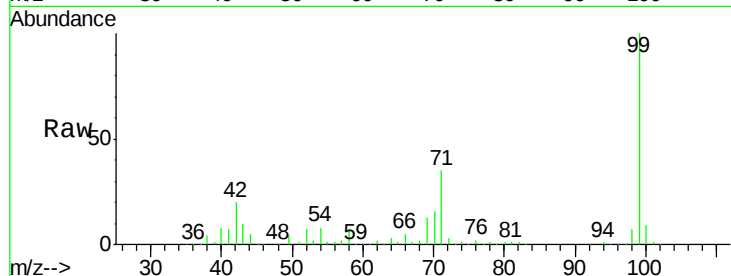
71 35.0 28.0 42.0

Manual Integrations

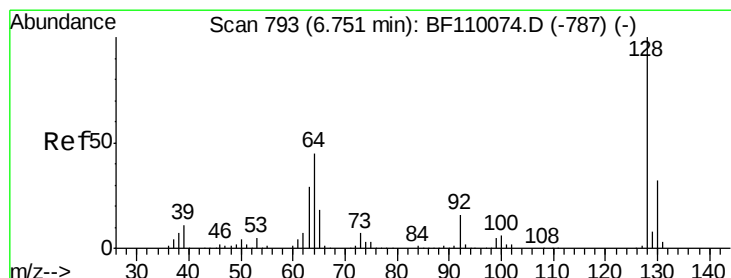
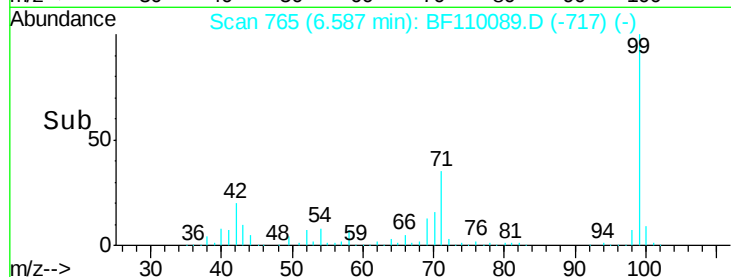
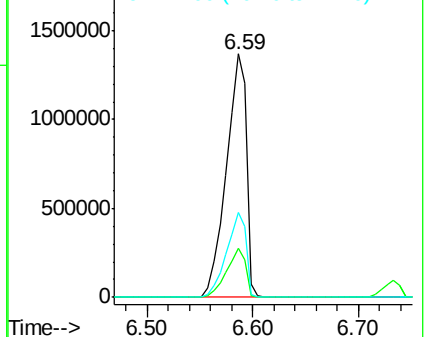
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 5.278 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

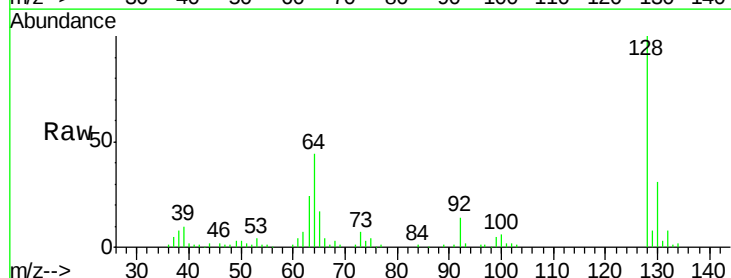
Tgt Ion: 128 Resp: 66619

Ion Ratio Lower Upper

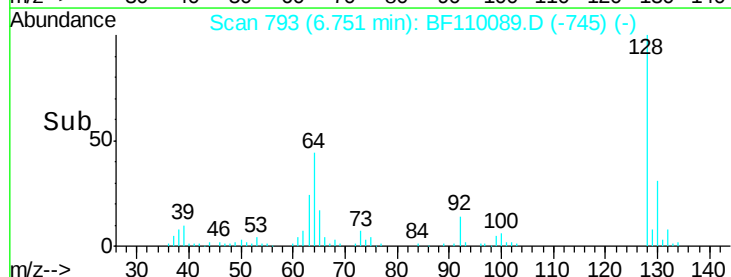
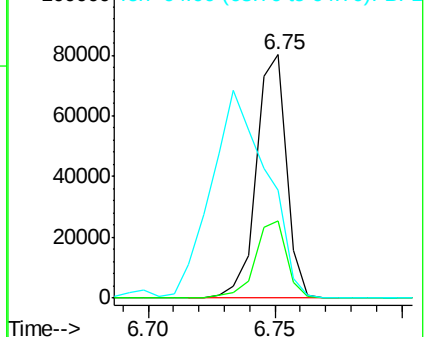
128 100

130 31.5 13.1 53.1

64 44.5 26.0 66.0



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





#9

Benzaldehyde

Concen: 3.410 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

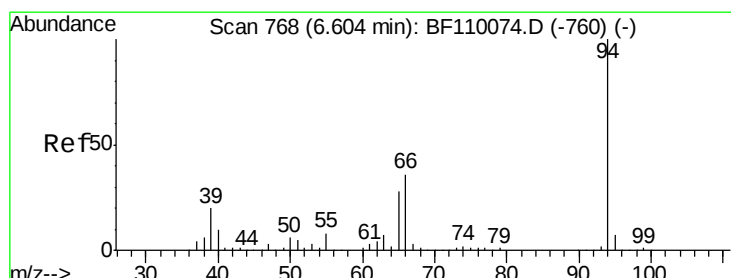
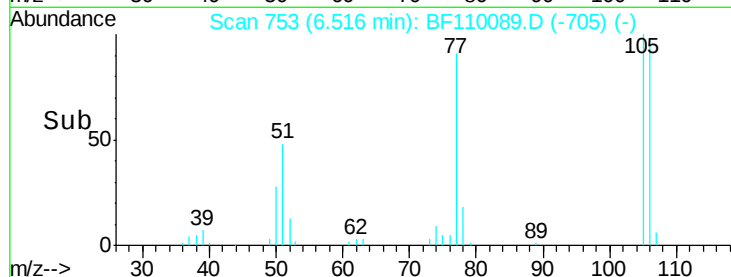
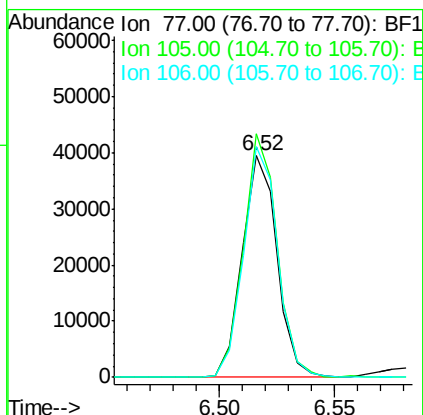
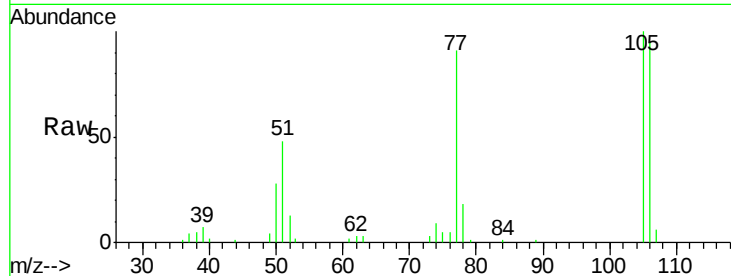
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	77	Resp:	41547
Ion	Ratio	Lower	Upper
77	100		
105	109.9	78.6	118.6
106	104.4	74.8	114.8

Manual Integrations
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#10

Phenol

Concen: 5.210 ng

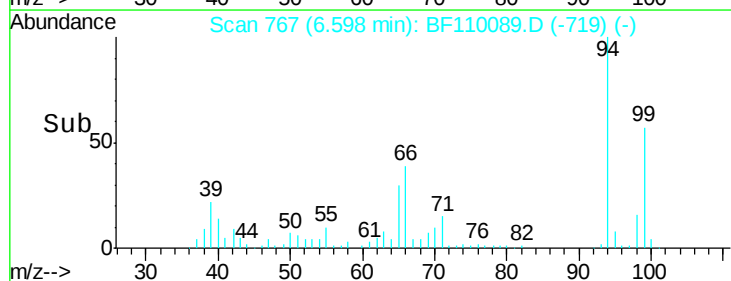
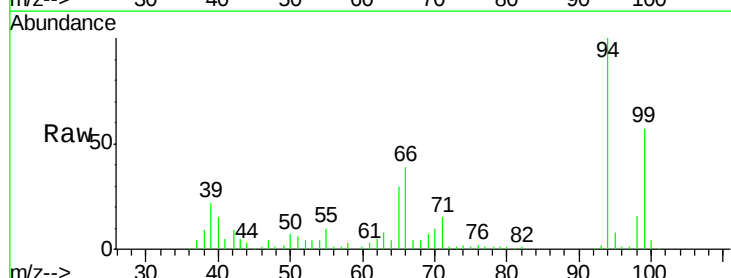
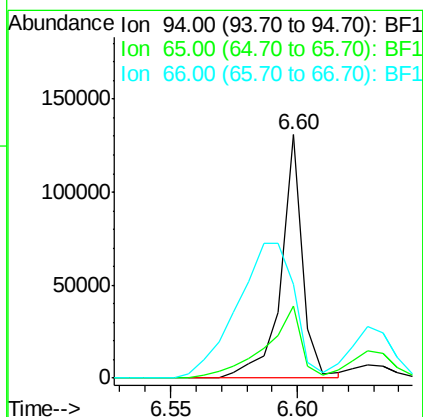
RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion:	94	Resp:	77984
Ion	Ratio	Lower	Upper
94	100		
65	29.7	25.3	65.3
66	38.8	54.5	94.5#





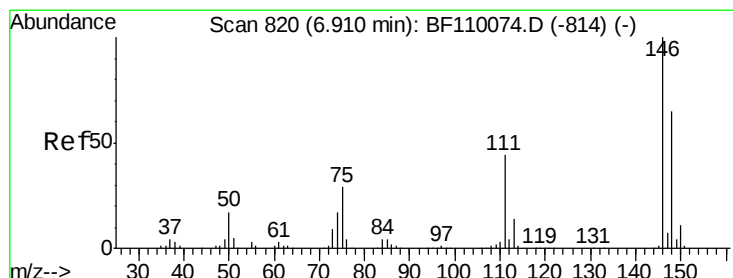
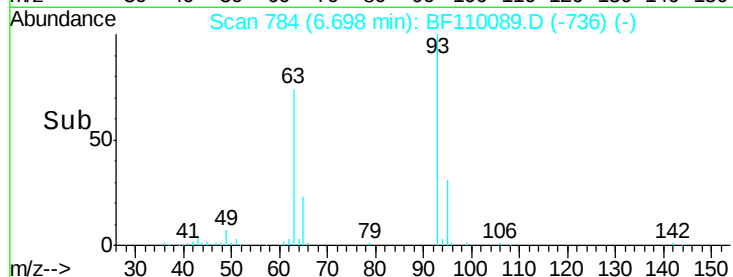
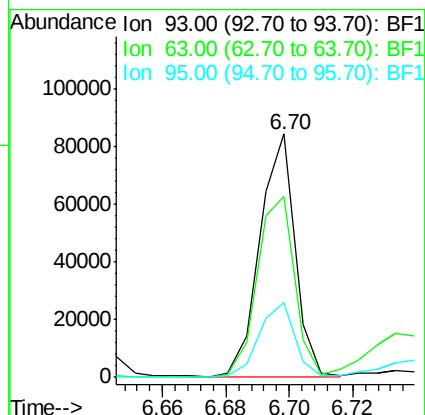
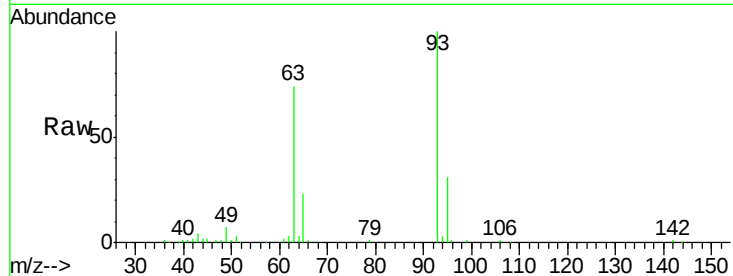
#11
bis(2-Chloroethyl)ether
Concen: 5.312 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
93	100		
63	74.3	53.4	93.4
95	30.9	12.1	52.1

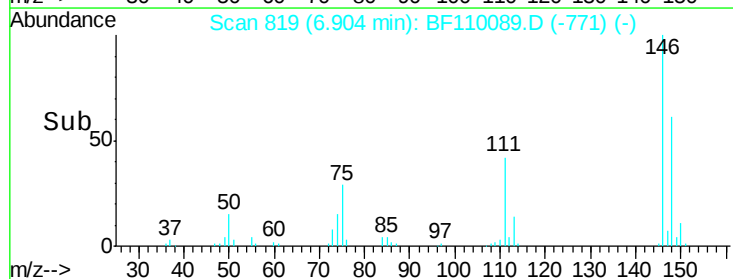
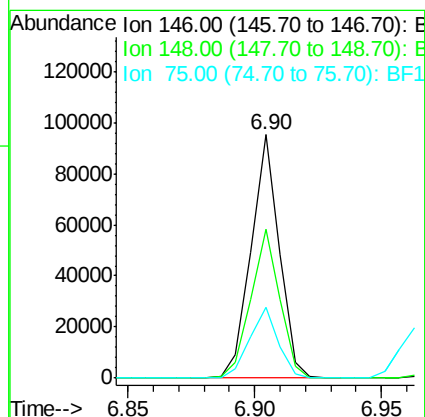
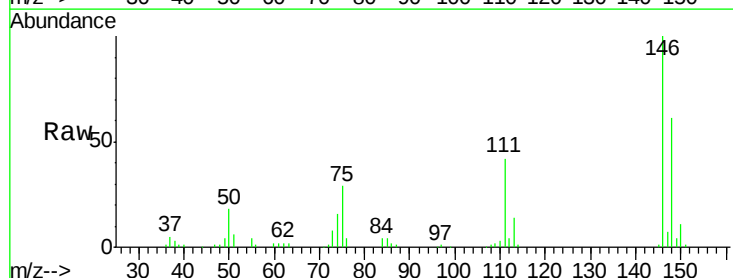
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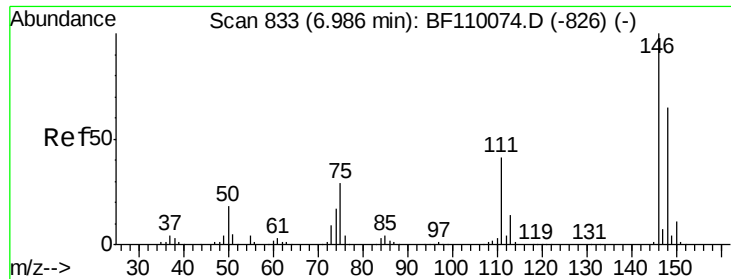
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#12
1,3-Dichlorobenzene
Concen: 5.337 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.1	50.4	75.6
75	29.0	25.8	38.6





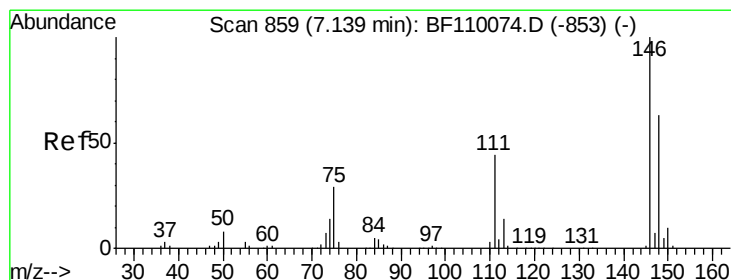
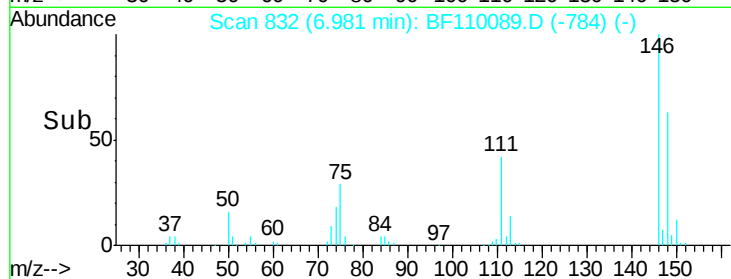
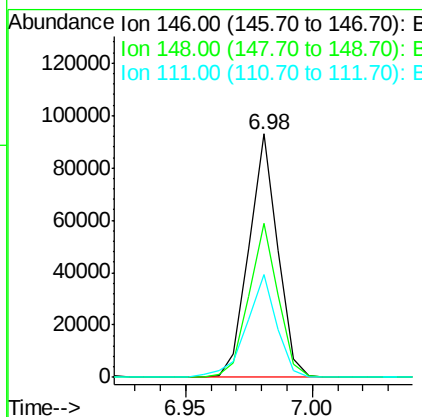
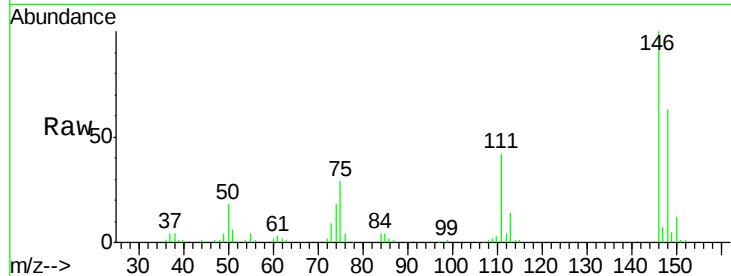
#13
 1,4-Dichlorobenzene
 Concen: 5.226 ng
 RT: 6.98 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.3	75.5
111	42.4	32.7	49.1

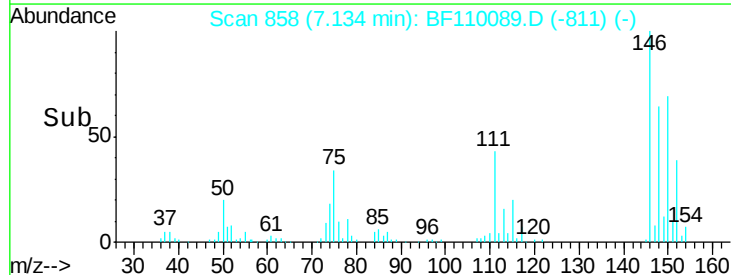
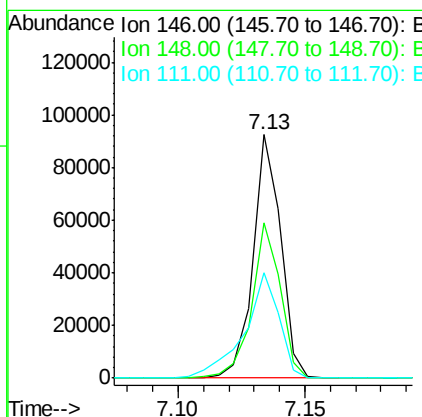
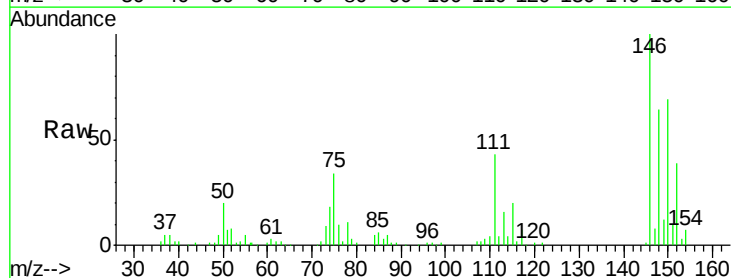
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#14
 1,2-Dichlorobenzene
 Concen: 5.402 ng
 RT: 7.13 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	43.1	35.8	53.6





#15

Benzyl Alcohol

Concen: 6.338 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

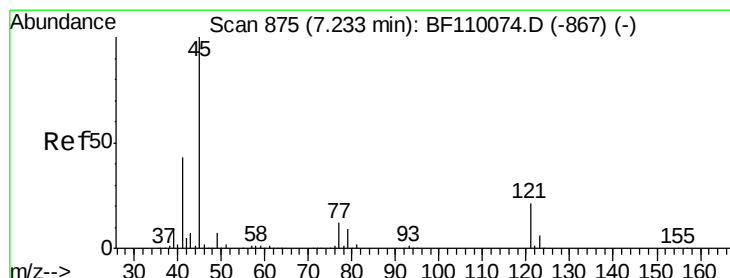
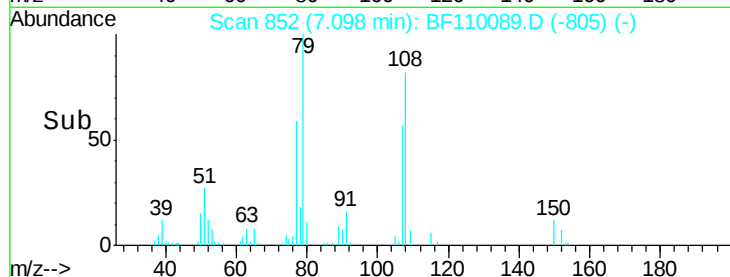
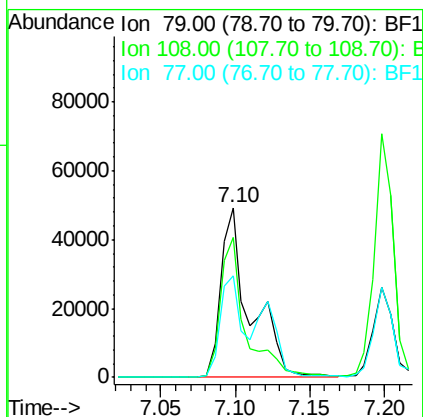
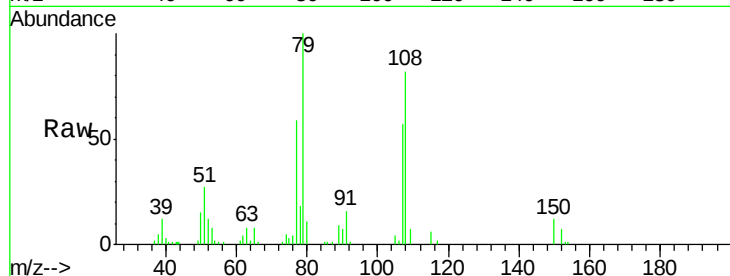
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	68258
Ion Ratio	Lower	Upper	
79	100		
108	82.4	56.3	84.5
77	59.4	52.9	79.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.462 ng

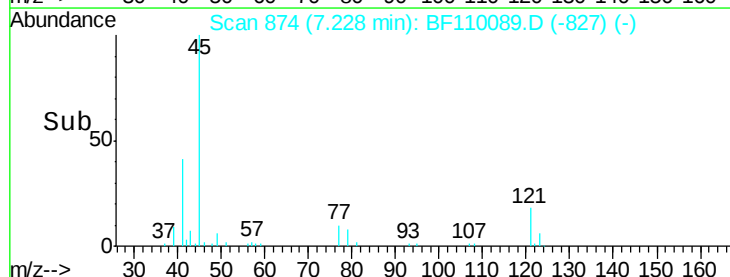
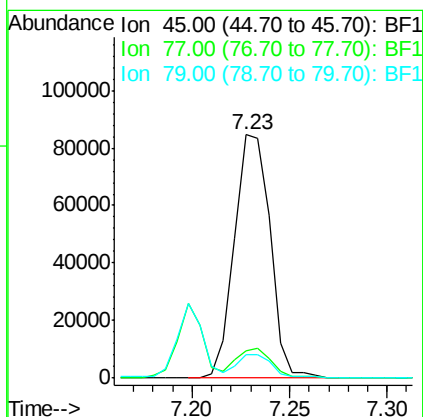
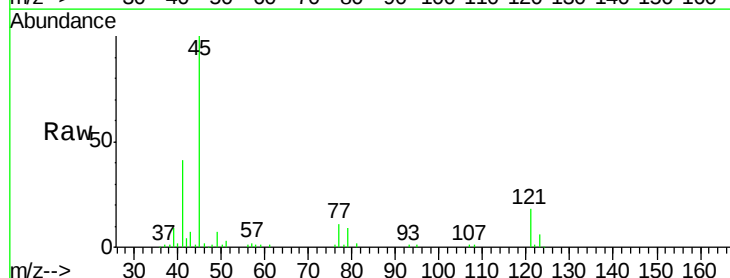
RT: 7.23 min Scan# 874

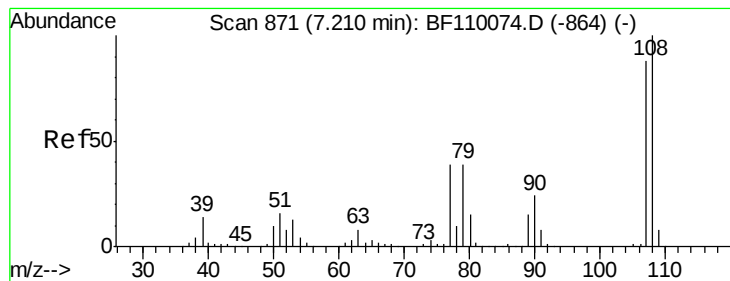
Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

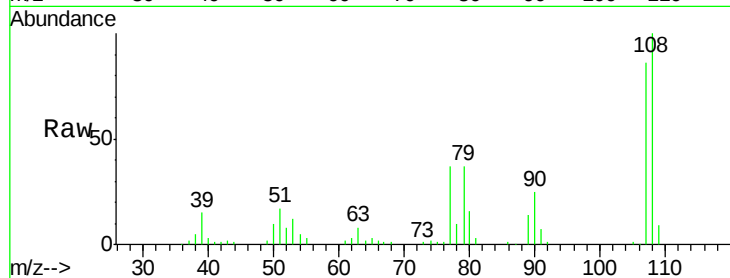
Tgt Ion:	45	Resp:	107549
Ion Ratio	Lower	Upper	
45	100		
77	11.2	10.0	50.0
79	9.4	6.1	46.1





#17
2-Methylphenol
Concen: 5.378 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

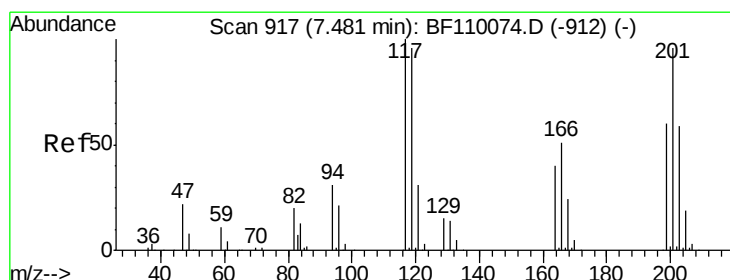
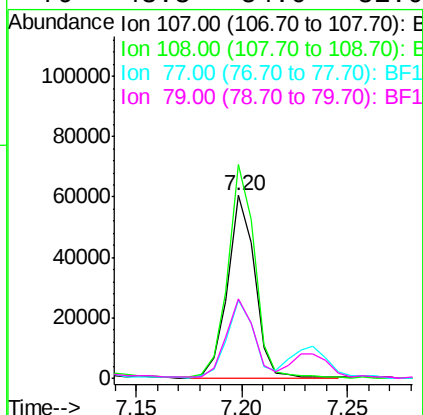
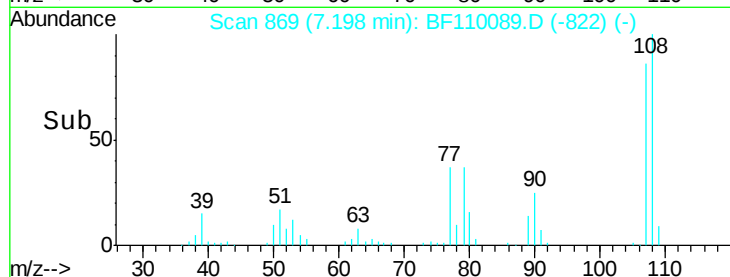
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018



Tgt Ion	Ratio	Lower	Upper
107	100		
108	116.9	92.6	138.8
77	43.0	59.4	89.2#
79	43.3	54.0	81.0#

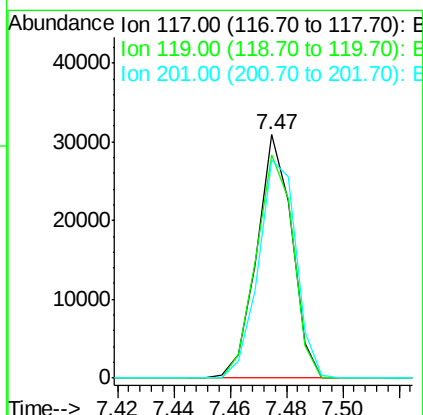
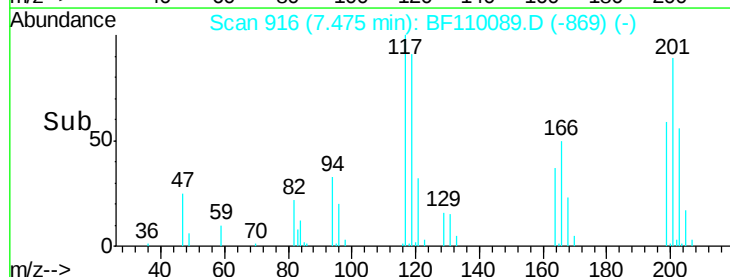
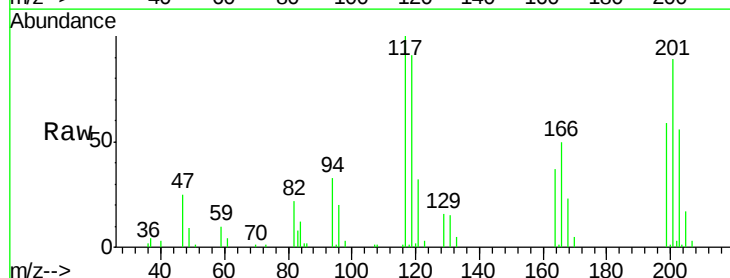
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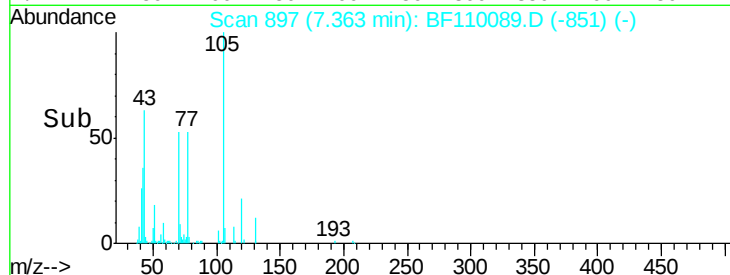
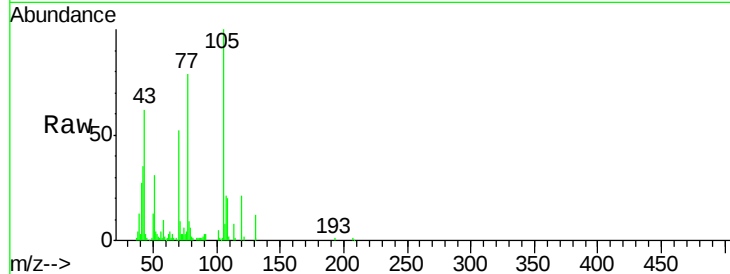
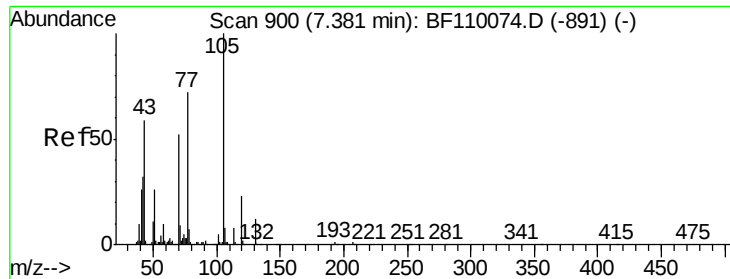
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#18
Hexachloroethane
Concen: 5.186 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	75.0	112.6
201	89.3	79.2	118.8





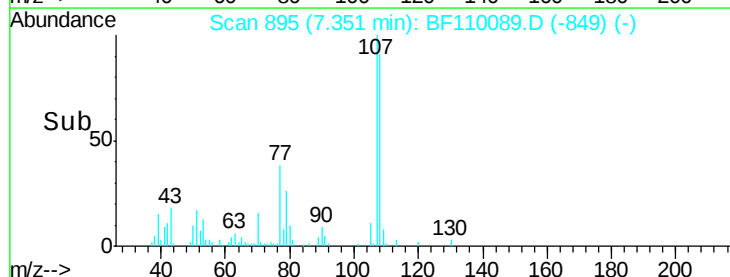
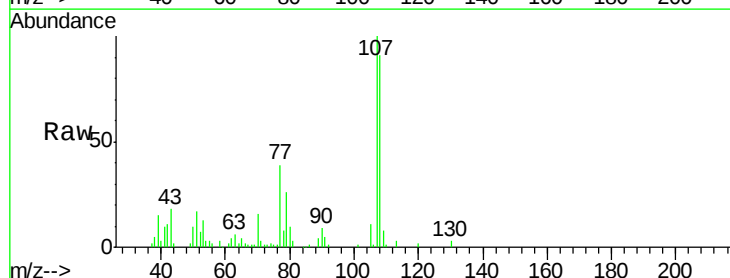
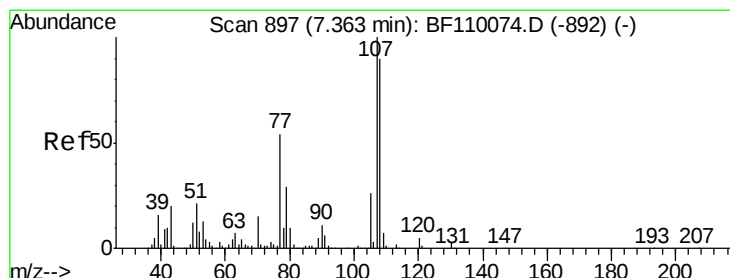
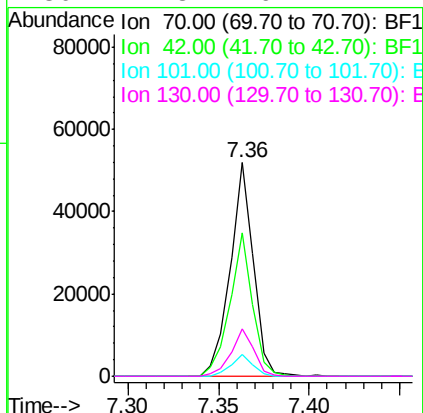
#19
n-Nitroso-di-n-propylamine
Concen: 5.183 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.03 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
70	100		
42	67.3	47.4	71.2
101	10.5	7.3	10.9
130	22.3	16.2	24.2

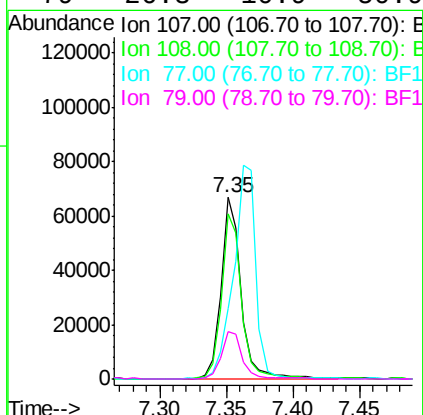
Manual Integrations
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#20
3+4-Methylphenols
Concen: 5.484 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.03 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.4	111.4
77	38.9	47.3	87.3#
79	26.3	10.9	50.9





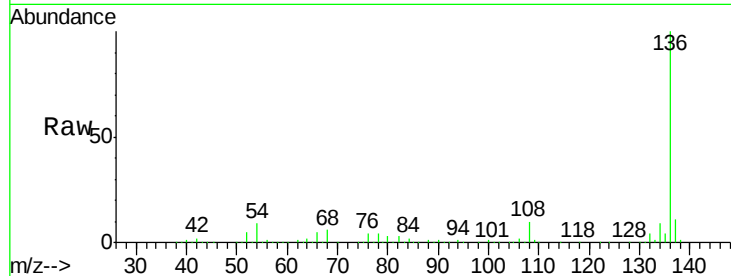
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	758697		
137	10.9	8.8	13.2	
54	8.5	5.4	8.2#	
68	5.7	4.2	6.2	

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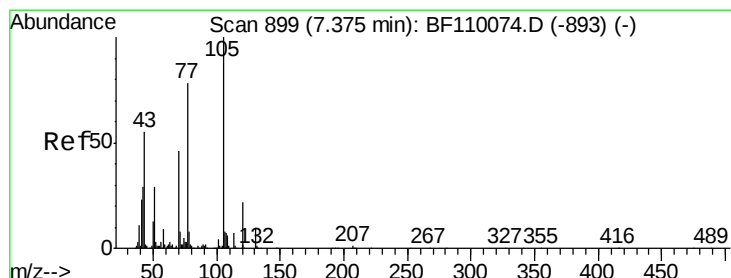
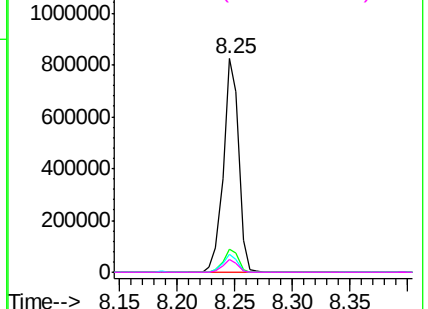
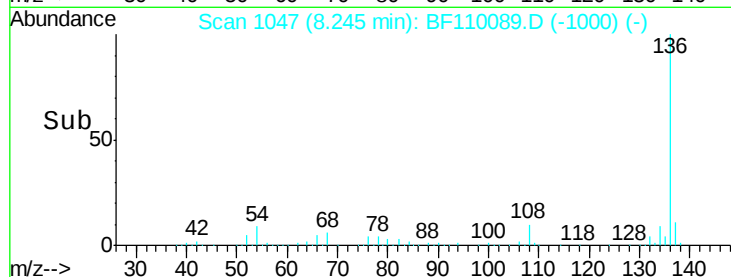
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

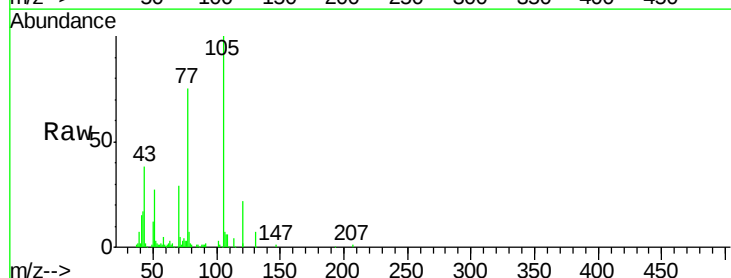
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 5.577 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	97497		
71	4.6	5.2	7.8#	
51	26.9	21.8	32.8	
120	22.2	17.0	25.4	



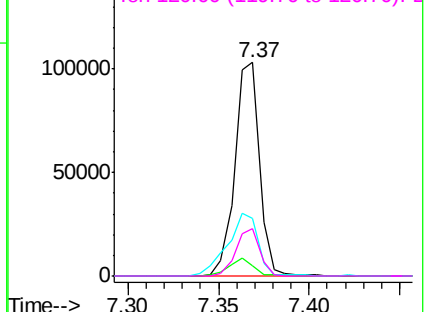
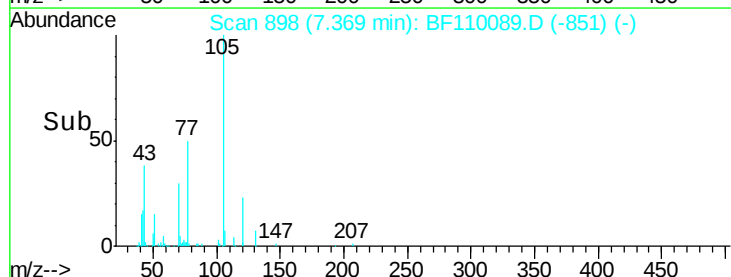
Abundance

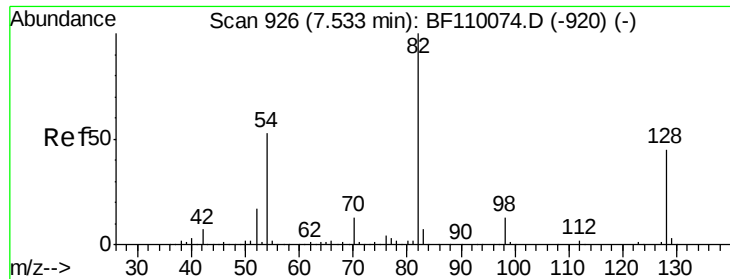
Ion 105.00 (104.70 to 105.70): E

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





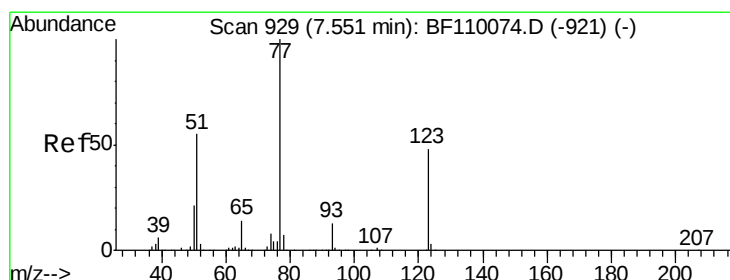
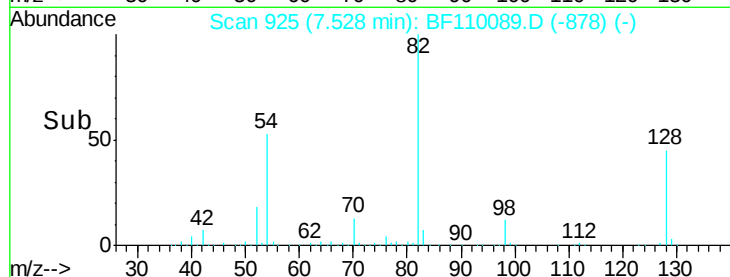
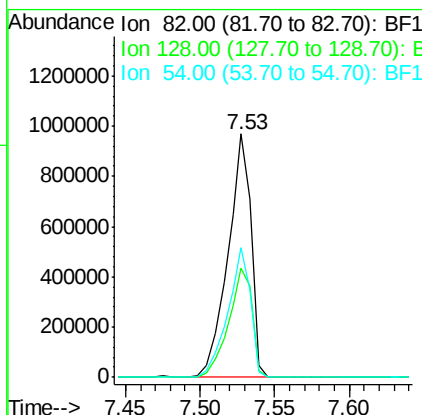
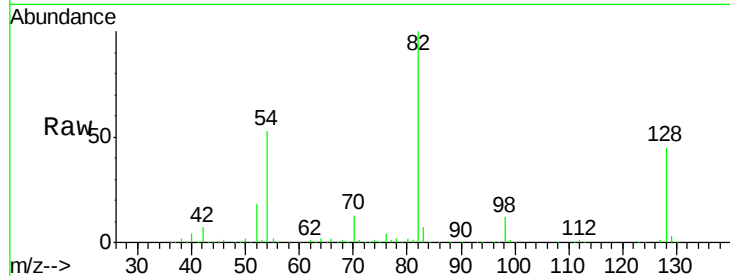
#23
Nitrobenzene-d5
Concen: 82.558 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 82 Resp: 1056032
Ion Ratio Lower Upper
82 100
128 45.0 34.2 51.2
54 53.3 38.6 58.0

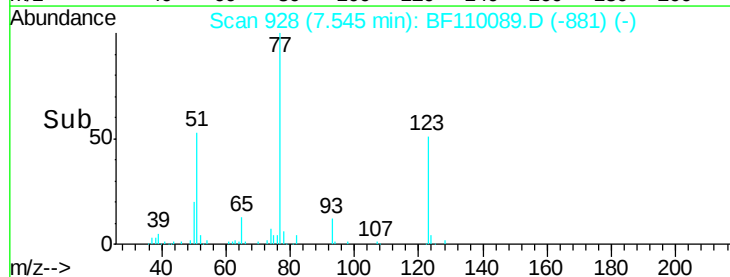
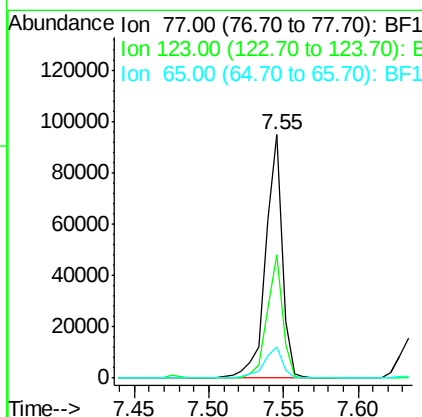
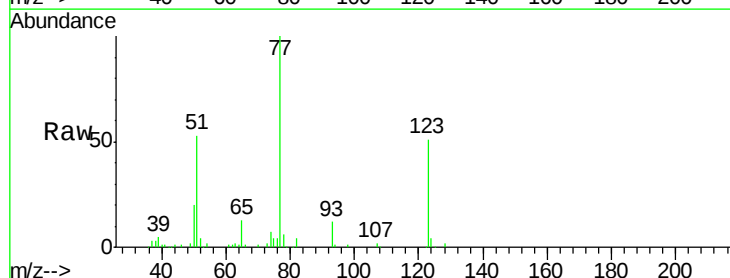
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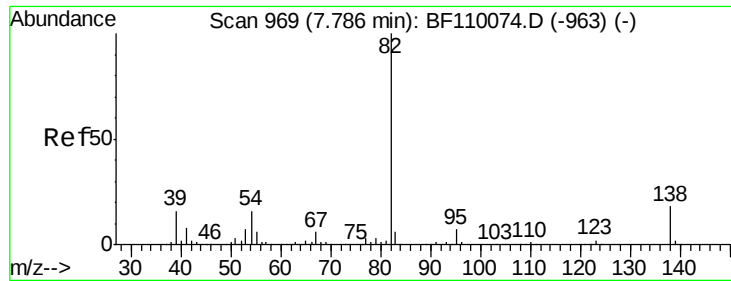
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#24
Nitrobenzene
Concen: 5.460 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion: 77 Resp: 72111
Ion Ratio Lower Upper
77 100
123 50.6 35.7 53.5
65 13.0 10.7 16.1





#25

Isophorone

Concen: 5.961 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.03 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

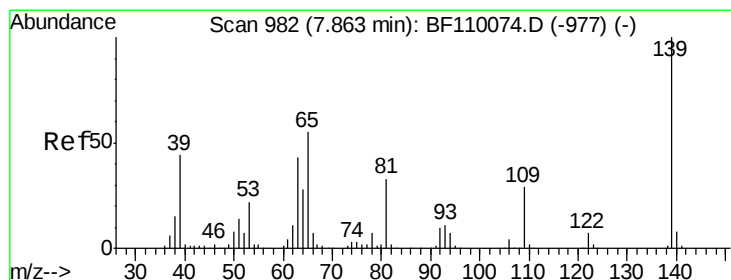
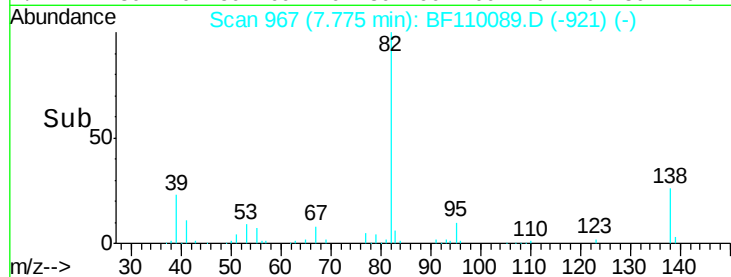
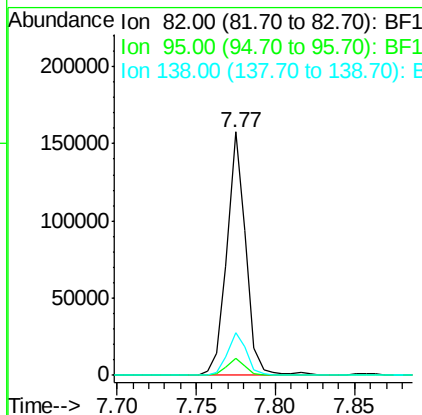
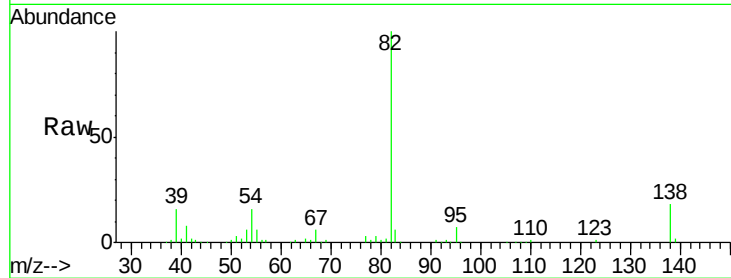
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	82	Resp:	129981
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.7	8.5
138	17.6	13.2	19.8

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#26

2-Nitrophenol

Concen: 4.639 ng

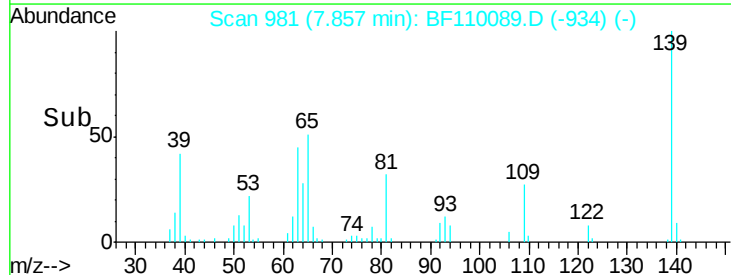
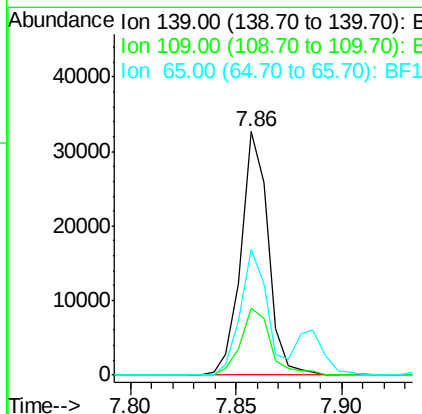
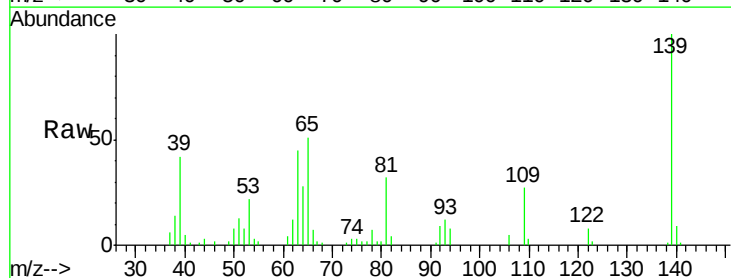
RT: 7.86 min Scan# 981

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion:	139	Resp:	29152
Ion Ratio		Lower	Upper
139	100		
109	27.5	25.0	37.6
65	51.4	44.0	66.0





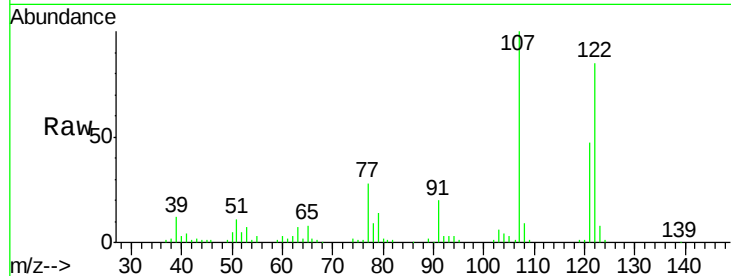
#27
2,4-Dimethylphenol
Concen: 5.586 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

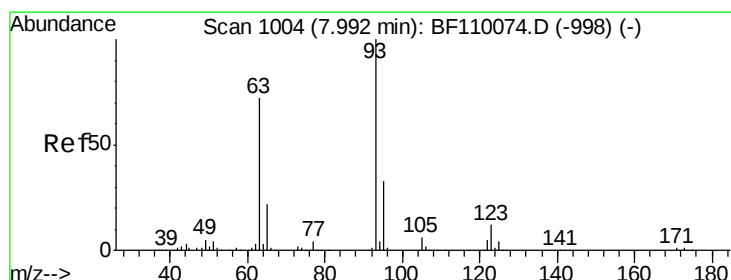
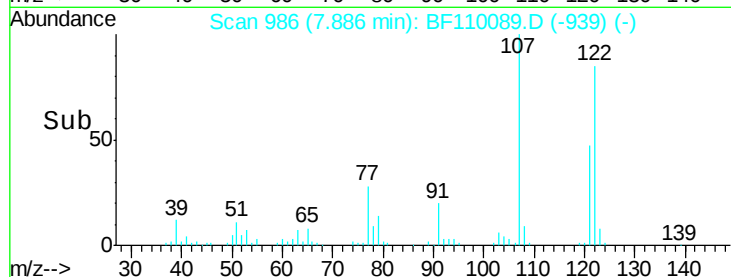
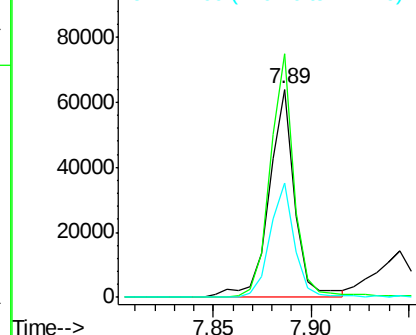
Tgt Ion: 122 Resp: 58205
Ion Ratio Lower Upper
122 100
107 117.0 92.5 138.7
121 55.1 45.8 68.8

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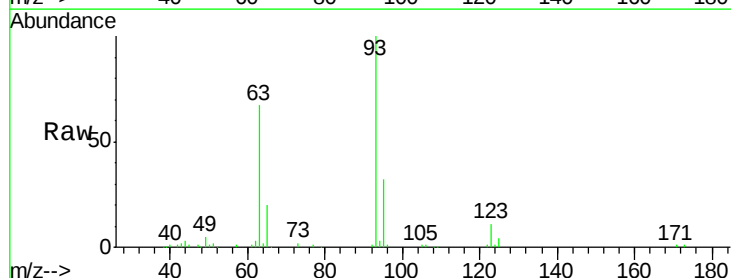


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

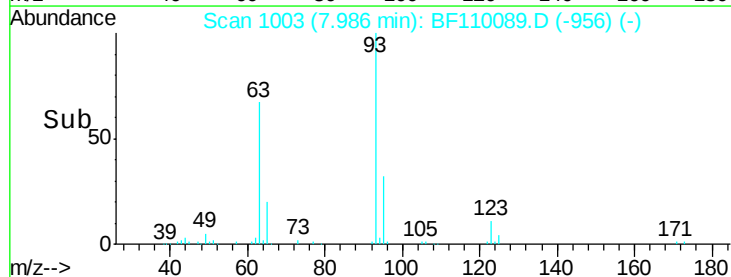
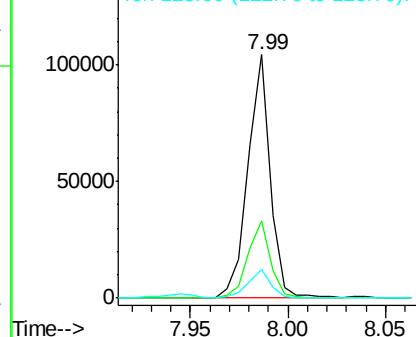


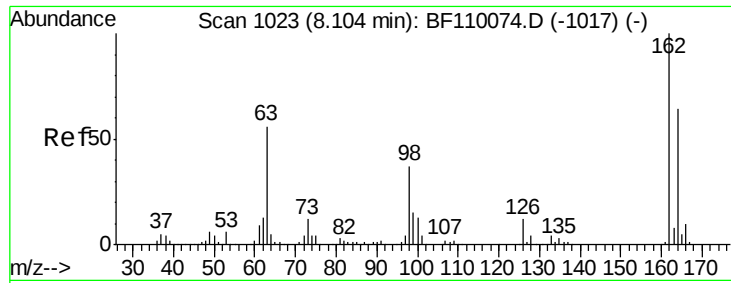
#28
bis(2-Chloroethoxy)methane
Concen: 5.603 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion: 93 Resp: 82997
Ion Ratio Lower Upper
93 100
95 31.7 26.4 39.6
123 11.5 9.0 13.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





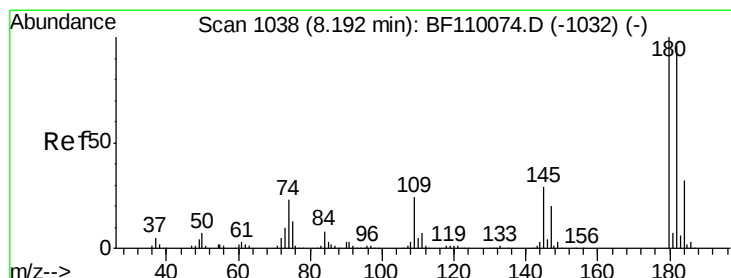
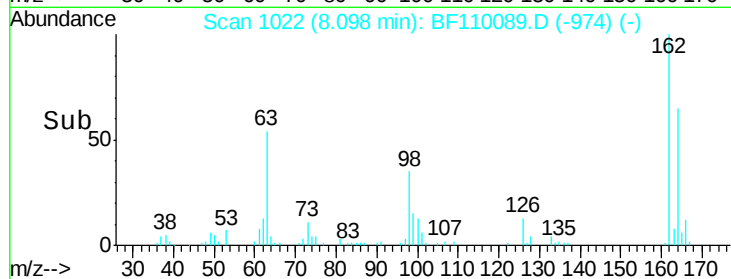
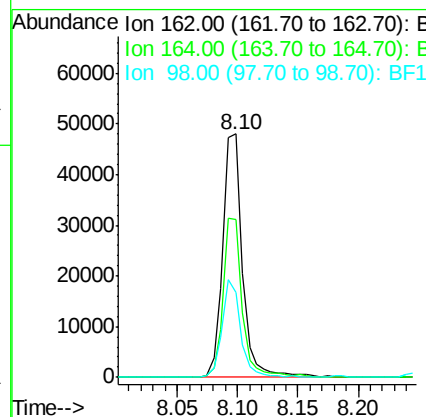
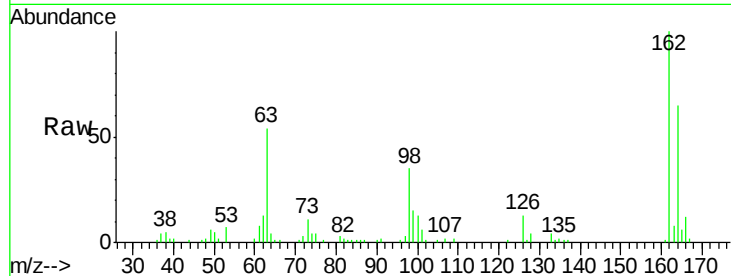
#29
2,4-Dichlorophenol
Concen: 5.139 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
162	100	54097		
164	65.0	44.6	84.6	
98	35.1	17.4	57.4	

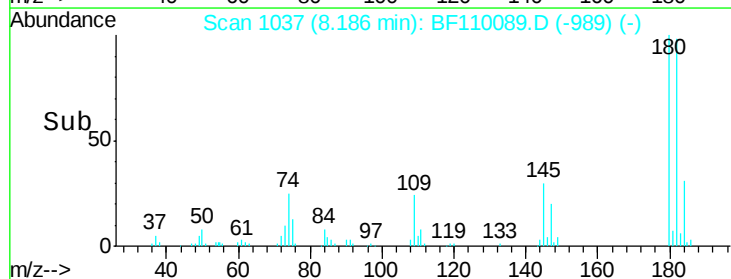
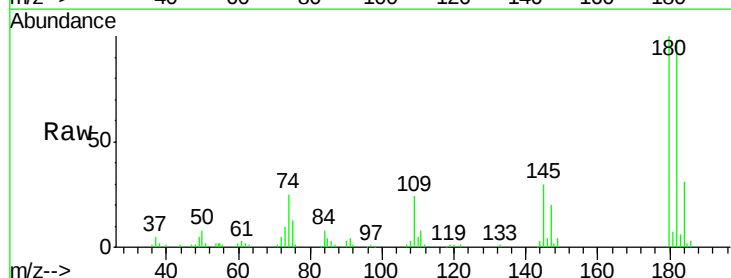
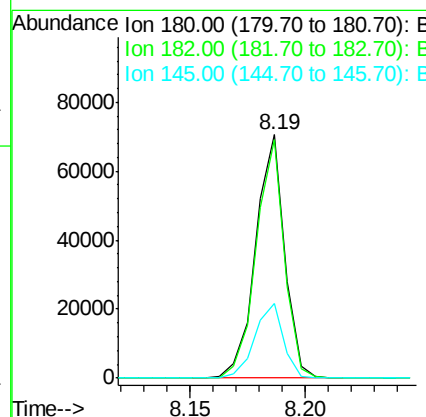
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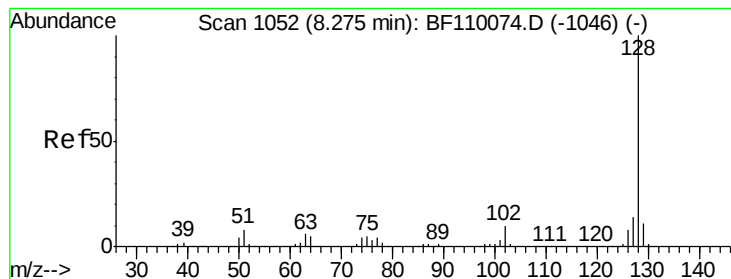
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#30
1,2,4-Trichlorobenzene
Concen: 5.243 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61820		
182	97.9	80.3	120.5	
145	30.5	25.4	38.0	





#31

Naphthalene

Concen: 5.952 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

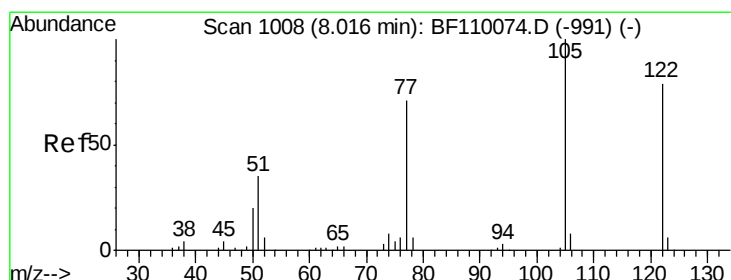
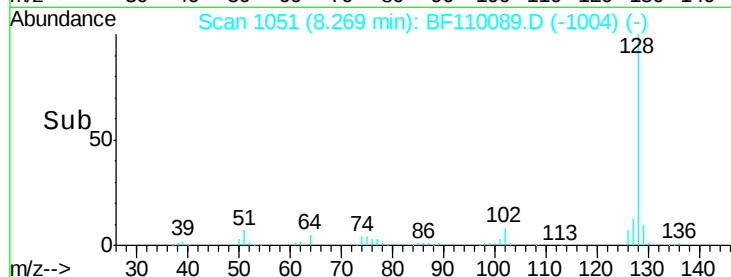
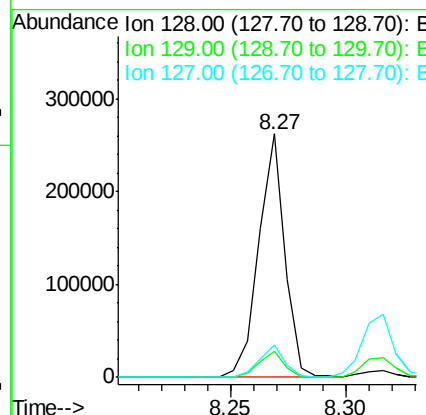
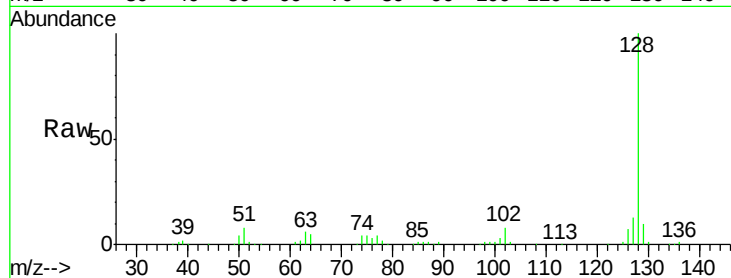
ClientSampleId :

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Tgt Ion:	128	Resp:	208134
Ion Ratio		Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.1	10.8	16.2

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#32

Benzoic acid

Concen: 2.744 ng m

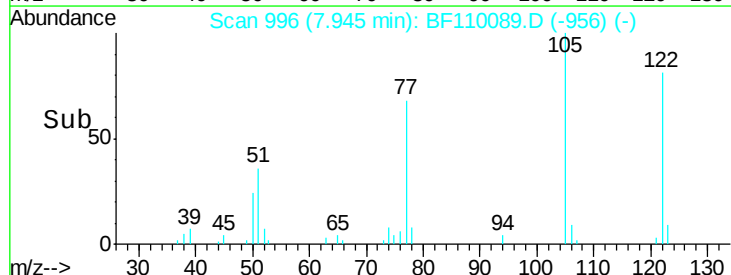
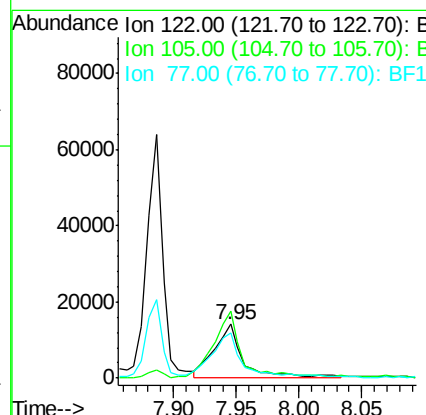
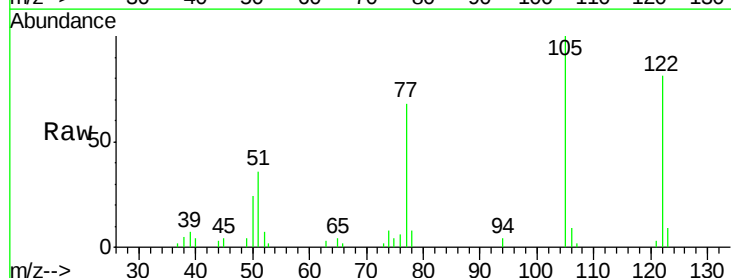
RT: 7.95 min Scan# 996

Delta R.T. -0.06 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion:	122	Resp:	22095
Ion Ratio		Lower	Upper
122	100		
105	123.5	109.0	149.0
77	83.8	79.0	119.0





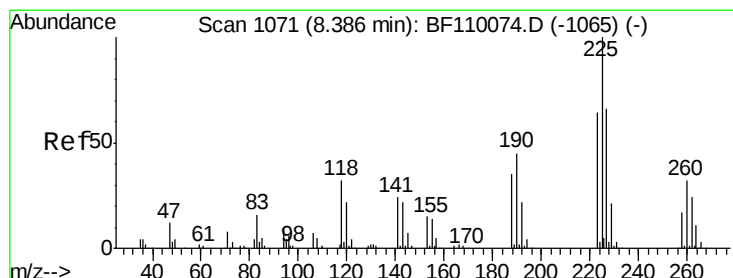
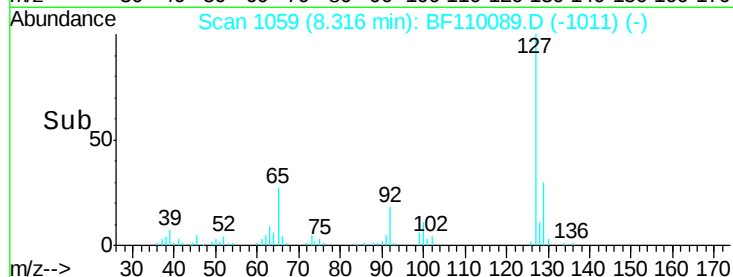
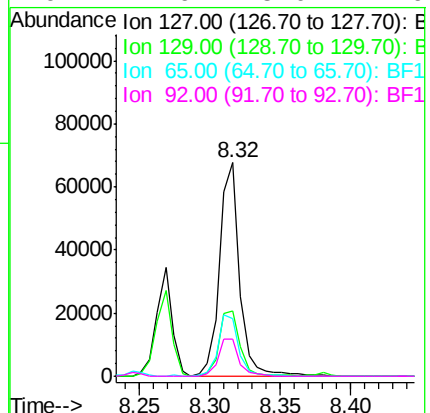
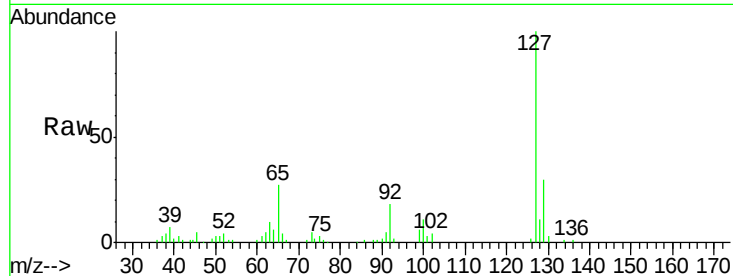
#33
4-Chloroaniline
Concen: 4.258 ng
RT: 8.32 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	127	Resp:	67015
Ion Ratio	Lower	Upper	
127	100		
129	30.5	26.0	39.0
65	27.1	25.1	37.7
92	17.6	15.0	22.6

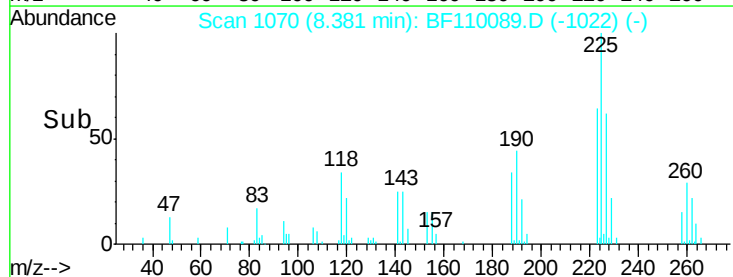
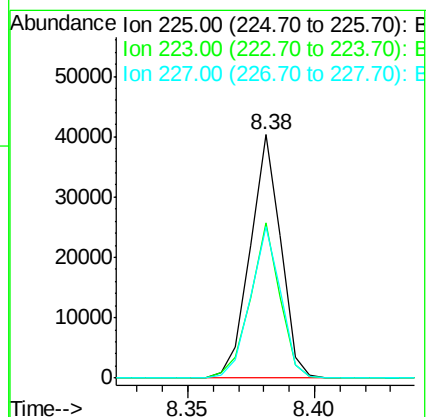
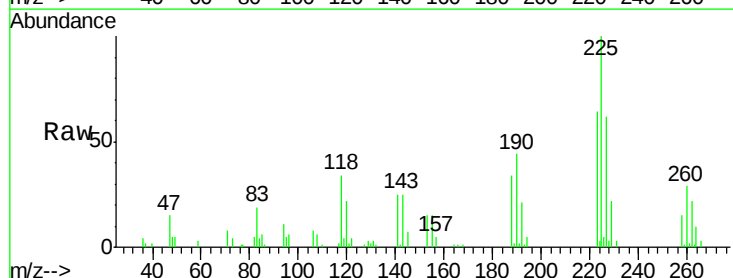
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#34
Hexachlorobutadiene
Concen: 5.155 ng
RT: 8.38 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion:	225	Resp:	33745
Ion Ratio	Lower	Upper	
225	100		
223	63.9	51.4	77.2
227	62.4	51.0	76.6





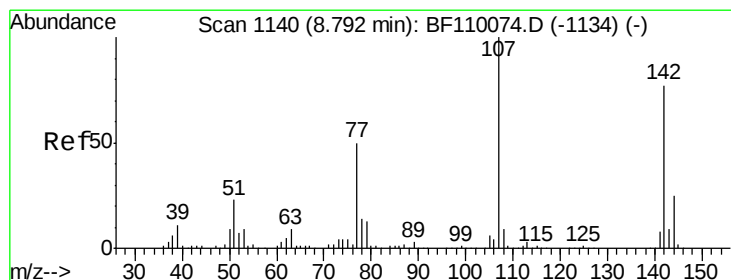
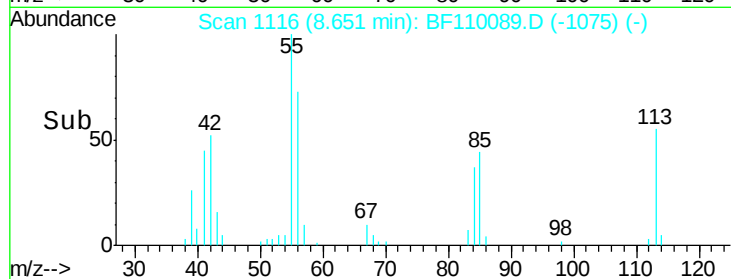
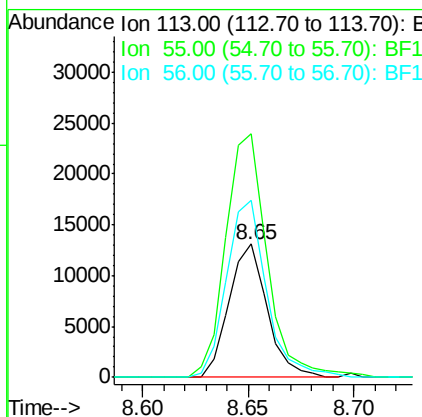
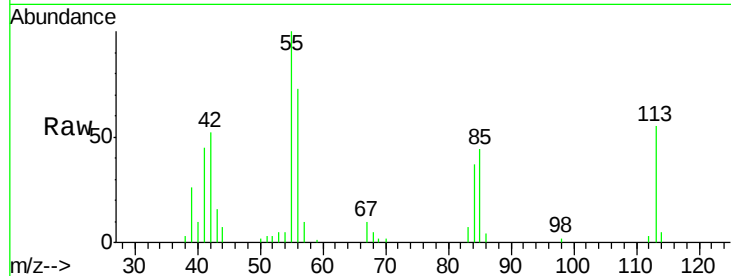
#35
 Caprolactam
 Concen: 4.467 ng
 RT: 8.65 min Scan# 1116
 Delta R.T. -0.06 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:113 Resp: 16388
 Ion Ratio Lower Upper
 113 100
 55 182.9 142.8 182.8#
 56 132.6 105.0 145.0

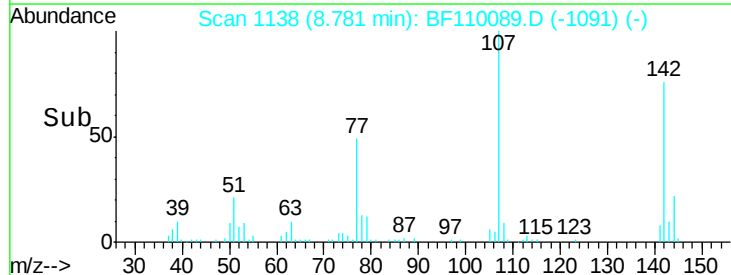
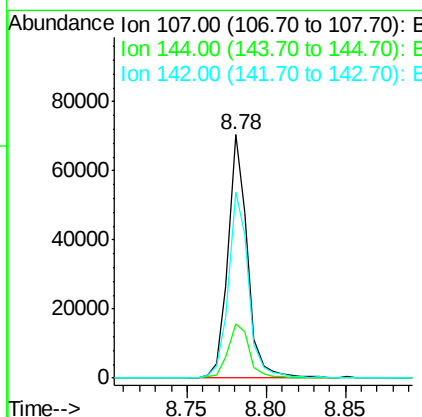
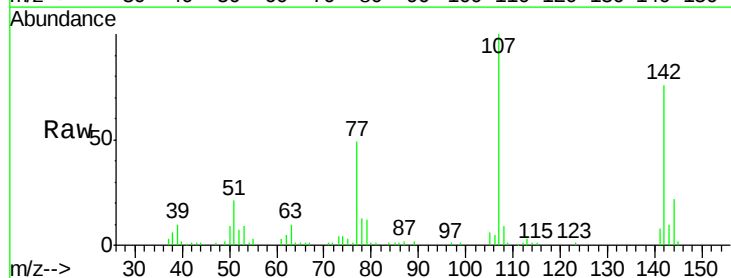
Manual Integrations
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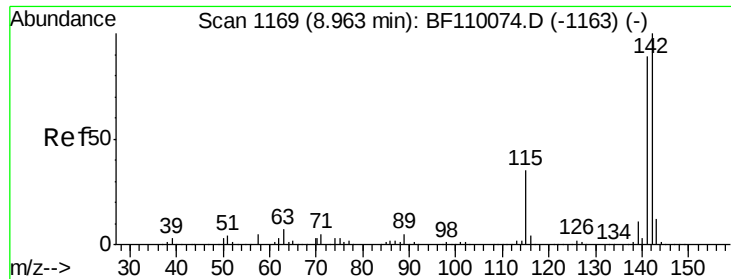
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#36
 4-Chloro-3-methylphenol
 Concen: 5.255 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Tgt Ion:107 Resp: 59817
 Ion Ratio Lower Upper
 107 100
 144 22.1 20.0 30.0
 142 76.2 59.7 89.5





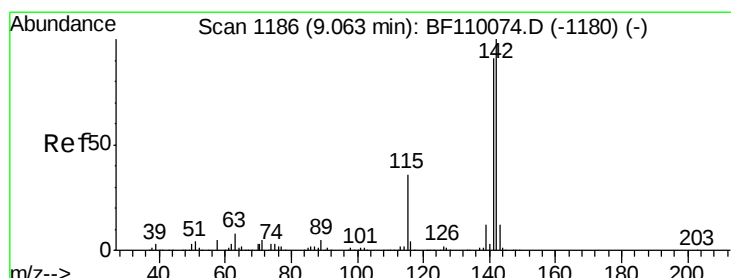
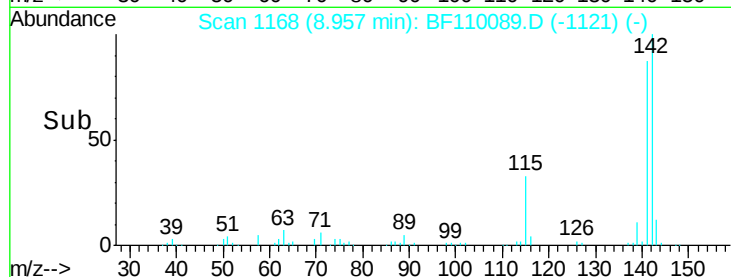
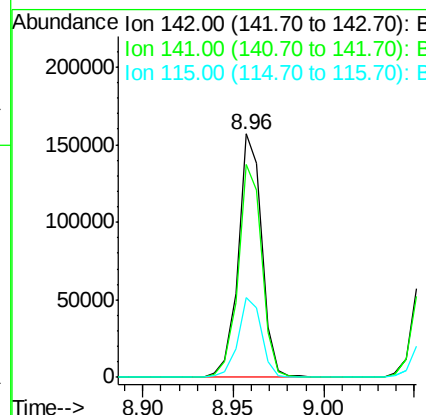
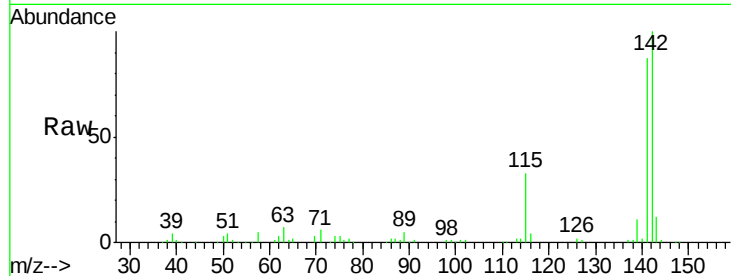
#37
2-Methylnaphthalene
Concen: 6.122 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	141630		
141	87.4	71.4	107.2	
115	33.0	28.7	43.1	

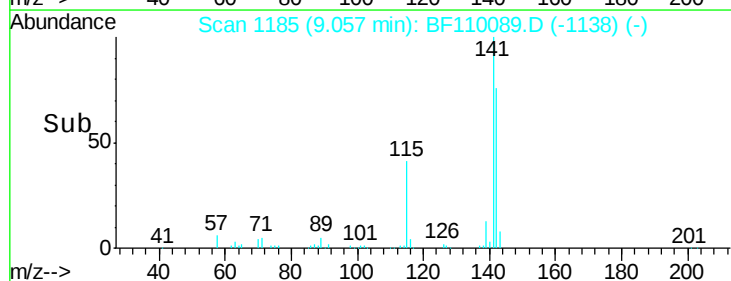
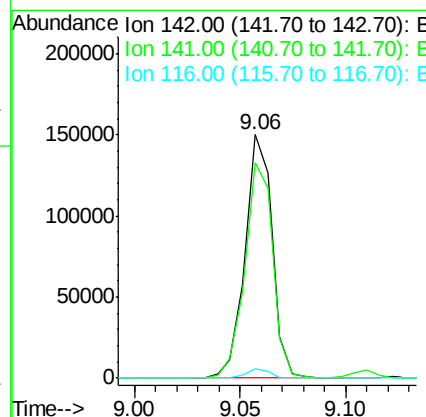
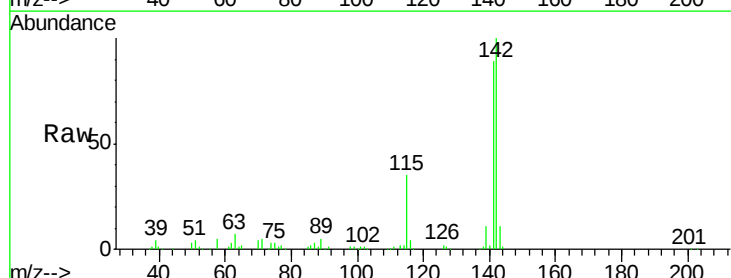
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#38
1-Methylnaphthalene
Concen: 5.951 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	133041		
141	88.7	74.2	111.4	
116	3.6	2.6	4.0	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BF110089.D

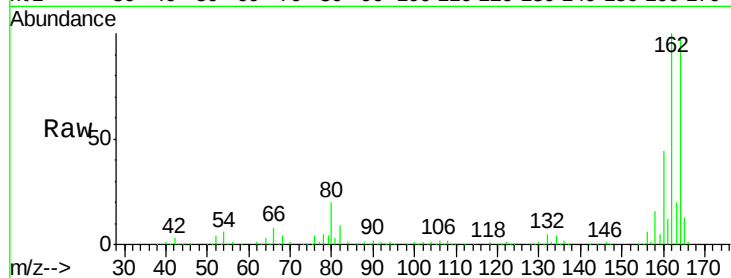
Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018



Tgt Ion:164 Resp: 369248

Ion Ratio Lower Upper

164 100

162 102.1 83.0 124.6

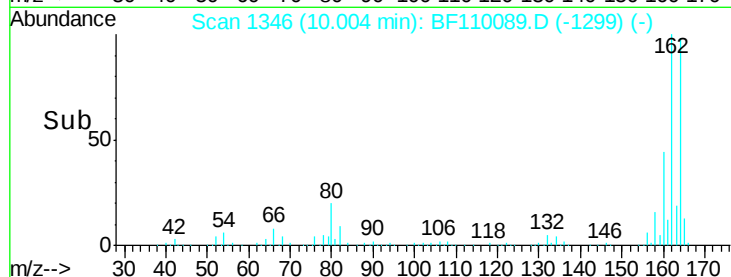
160 45.4 37.0 55.6

Manual Integrations

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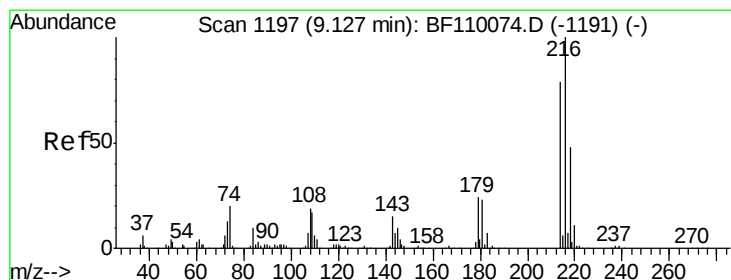
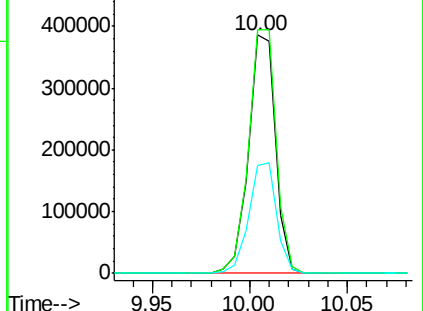
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.124 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion:216 Resp: 58948

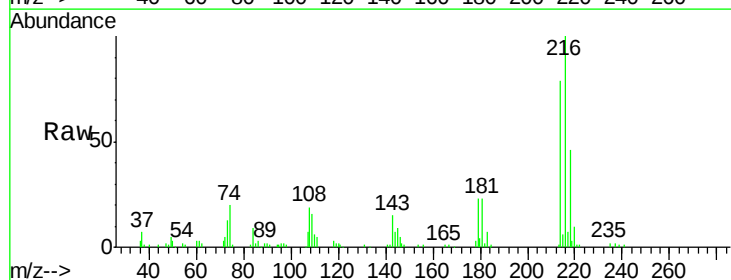
Ion Ratio Lower Upper

216 100

214 78.2 63.8 95.6

179 22.0 16.6 25.0

108 19.5 15.1 22.7

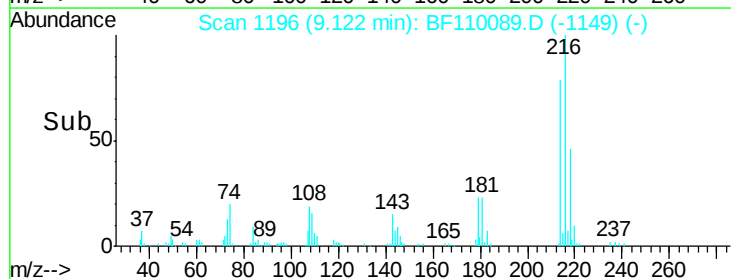
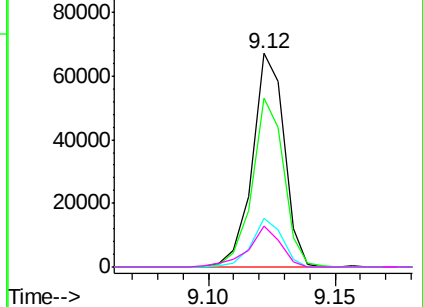


Abundance Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 4.804 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

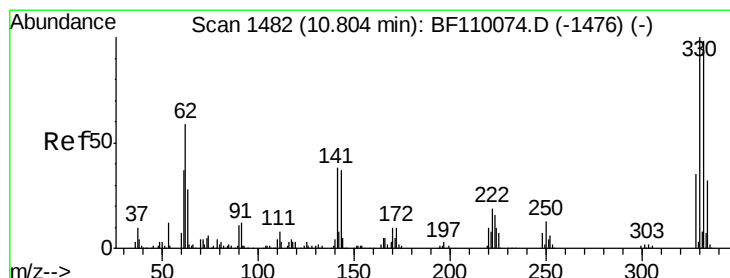
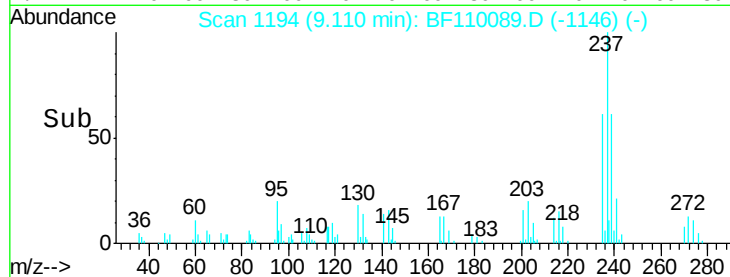
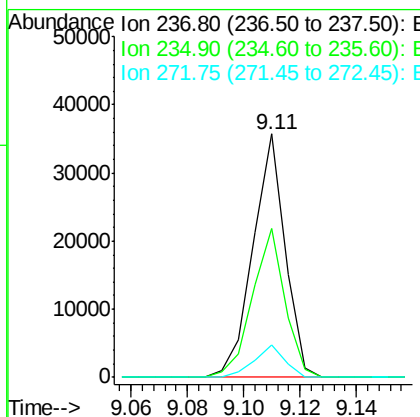
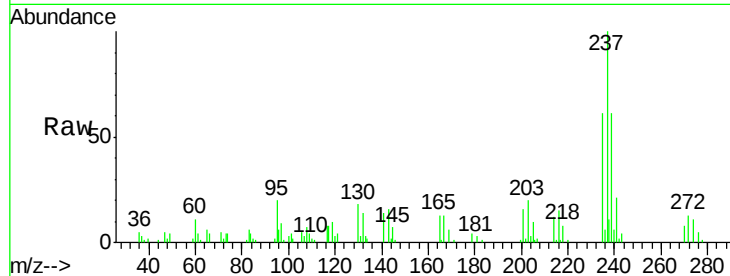
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	237	Resp:	28260
Ion Ratio	Lower	Upper	
237	100		
235	61.1	43.1	83.1
272	13.2	0.0	32.6

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 129.360 ng

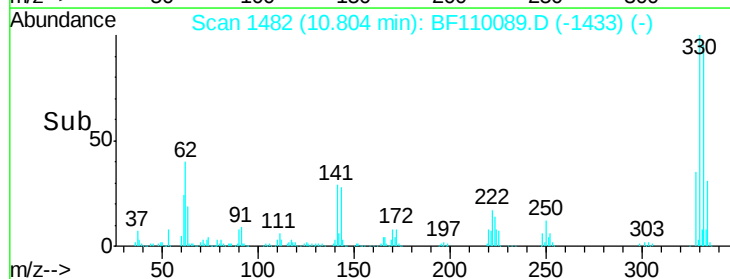
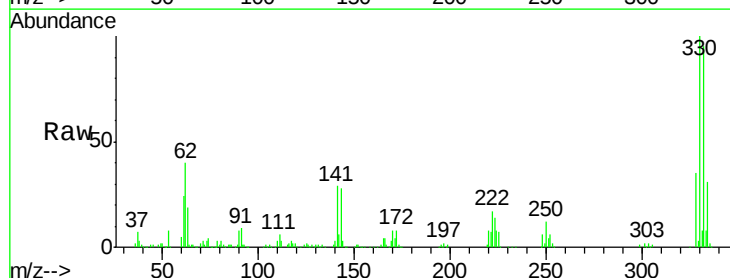
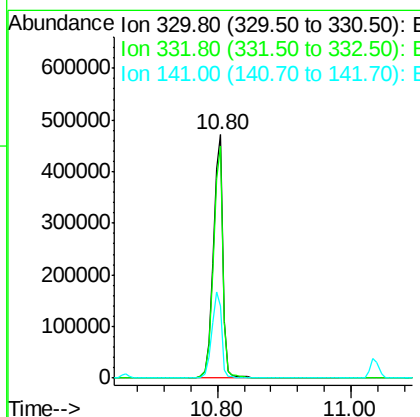
RT: 10.80 min Scan# 1482

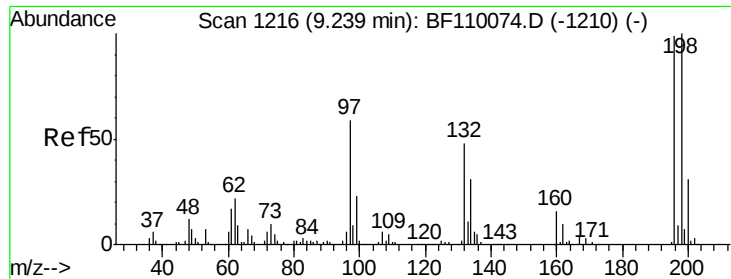
Delta R.T. -0.01 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion:	330	Resp:	473153
Ion Ratio	Lower	Upper	
330	100		
332	94.7	77.1	115.7
141	36.8	27.0	40.4





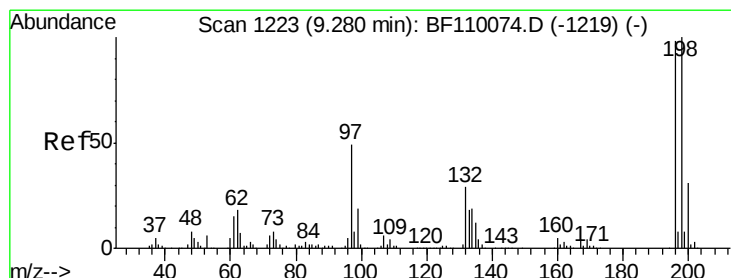
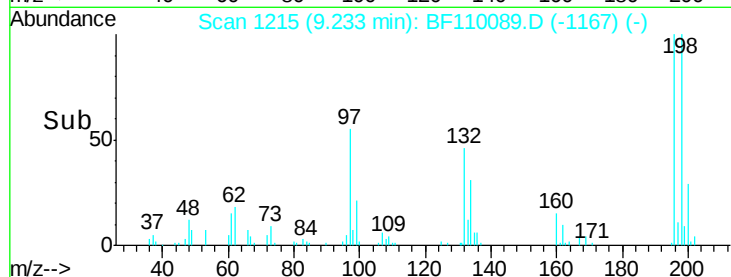
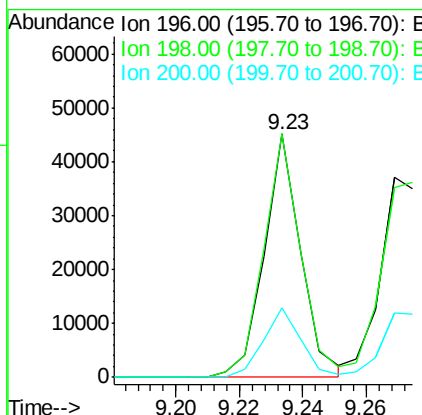
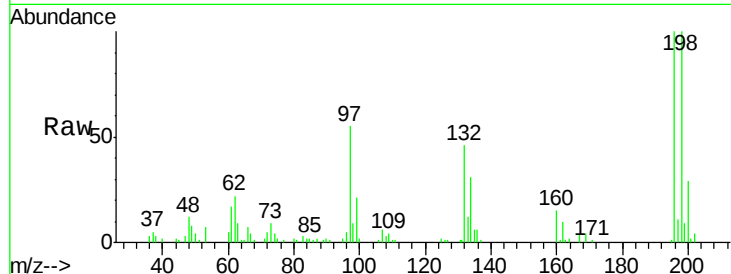
#43
 2,4,6-Trichlorophenol
 Concen: 4.882 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	36225		
198	100.0	76.2	114.4	
200	28.7	24.4	36.6	

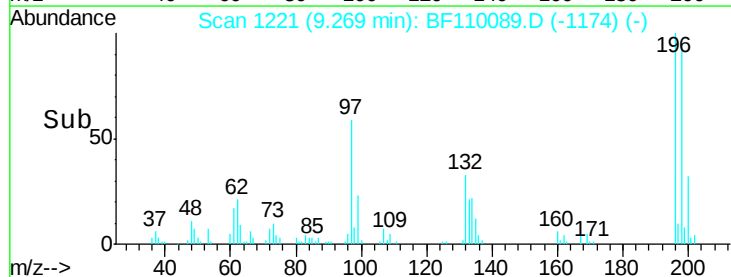
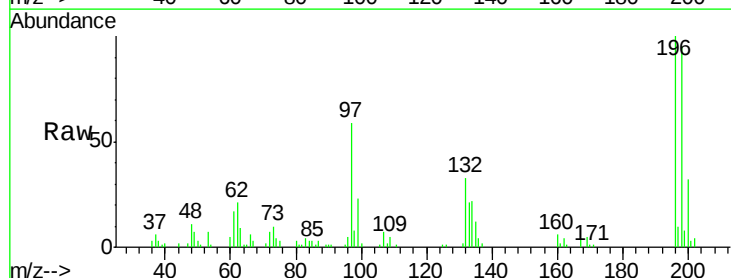
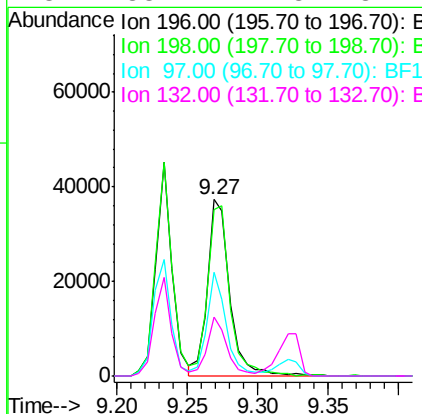
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#44
 2,4,5-Trichlorophenol
 Concen: 5.238 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	41087		
198	94.7	75.8	113.6	
97	58.9	42.4	63.6	
132	33.4	22.8	34.2	





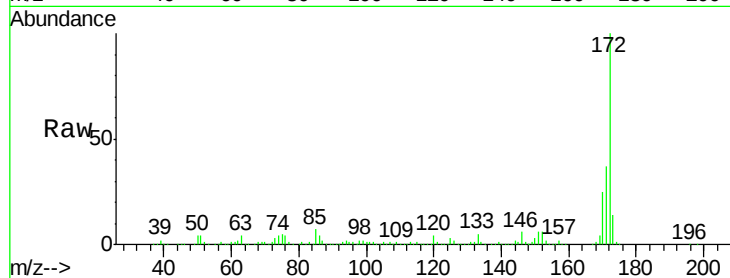
#45
2-Fluorobiphenyl
Concen: 81.316 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

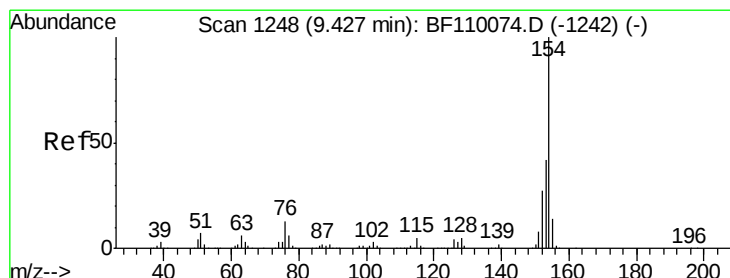
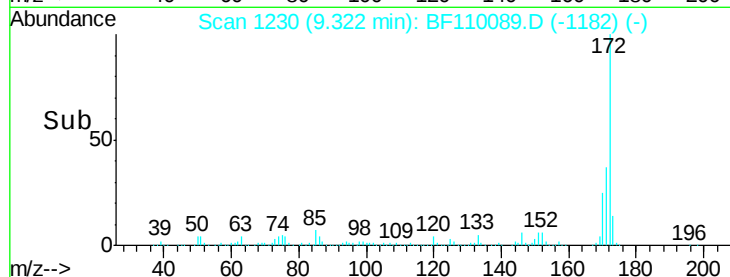
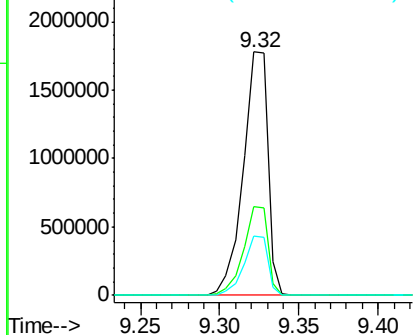
Tgt Ion:172 Resp: 1912143
Ion Ratio Lower Upper
172 100
171 36.6 28.6 43.0
170 24.5 19.7 29.5

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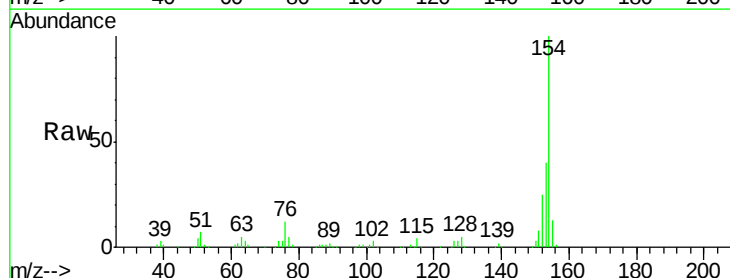


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

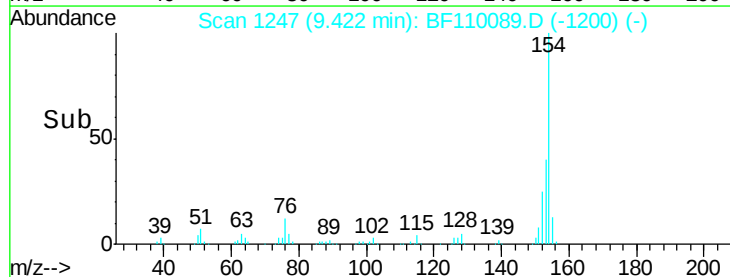
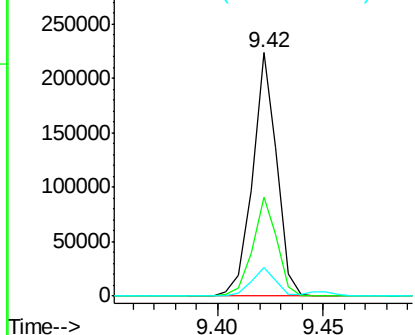


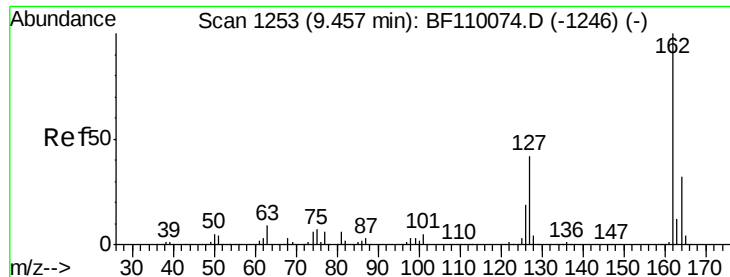
#46
1,1'-Biphenyl
Concen: 5.329 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion:154 Resp: 177930
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 11.6 0.0 31.9



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





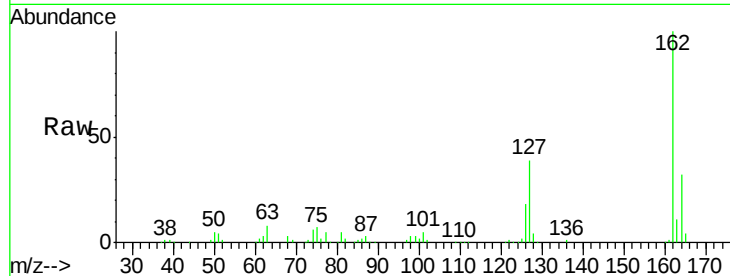
#47
2-Chloronaphthalene
Concen: 5.537 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
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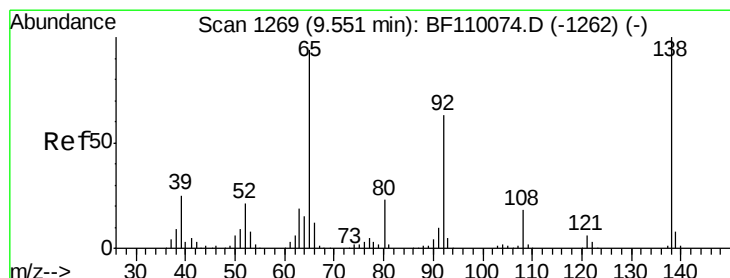
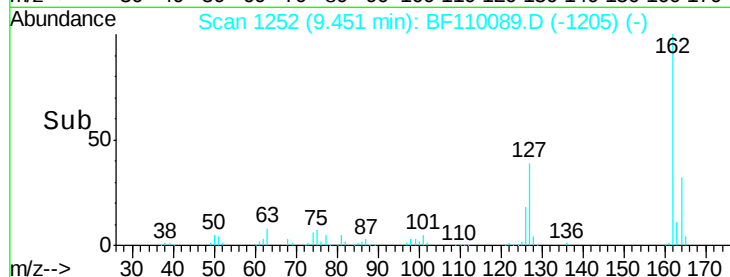
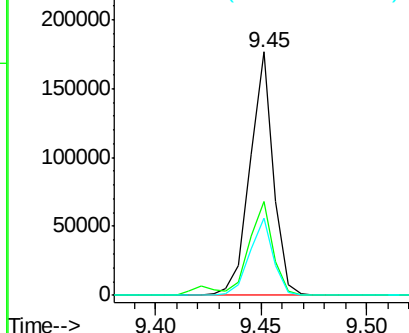
Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	38.7	32.6	48.8
164	31.9	25.9	38.9

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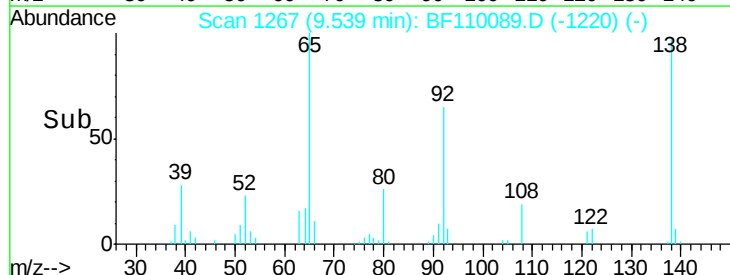
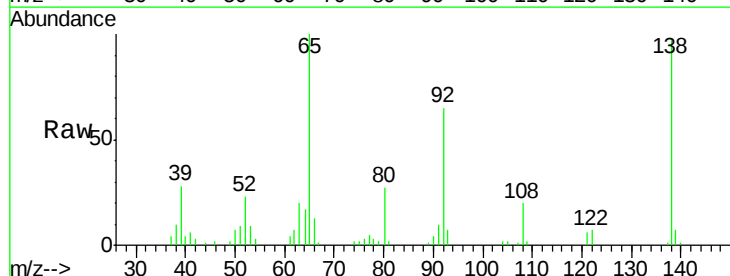
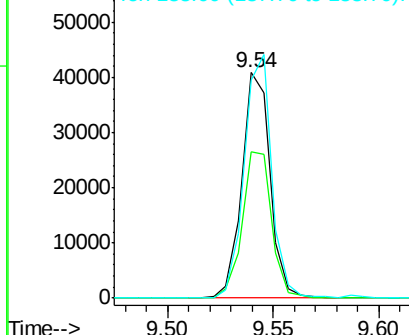
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

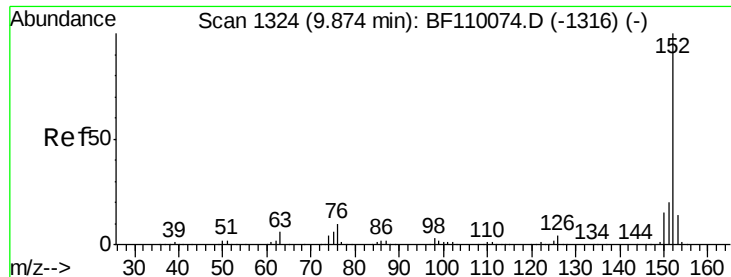


#48
2-Nitroaniline
Concen: 5.089 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
65	100		
92	65.1	54.6	81.8
138	96.9	80.3	120.5

Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 5.827 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

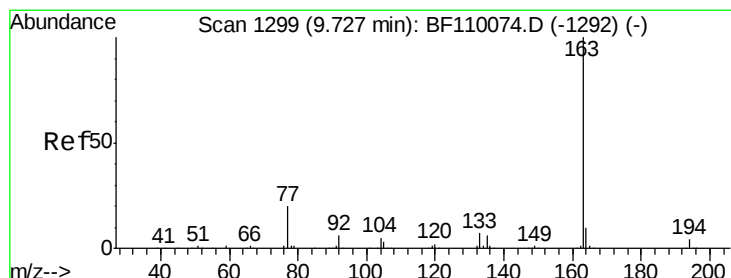
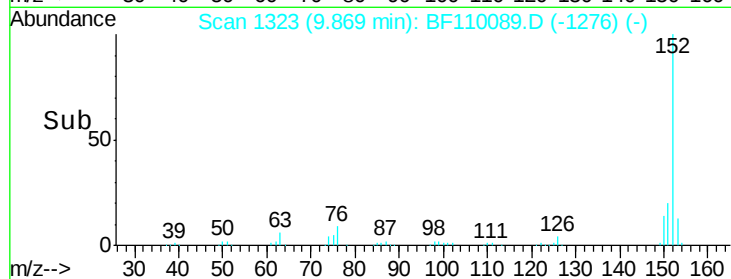
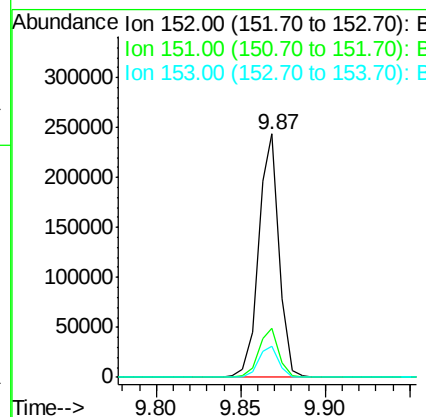
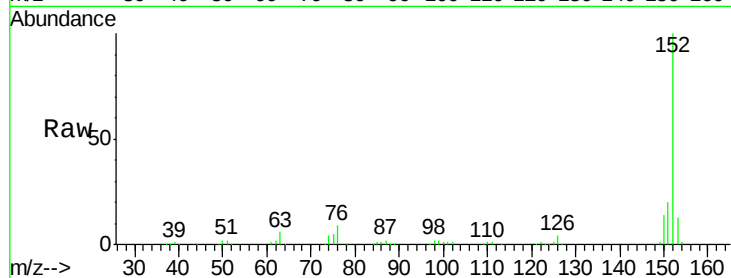
ClientSampleId :

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Tgt Ion:	152	Resp:	206135
Ion Ratio		Lower	Upper
152	100		
151	20.0	15.8	23.8
153	12.9	10.4	15.6

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#50

Dimethylphthalate

Concen: 5.576 ng

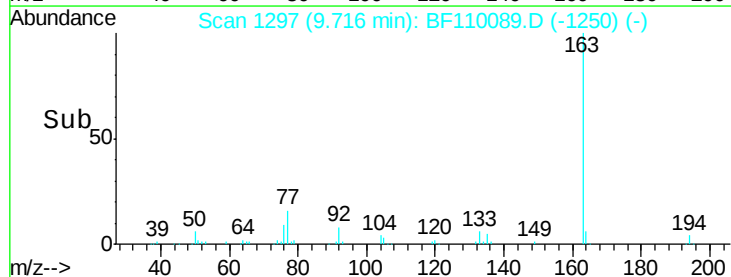
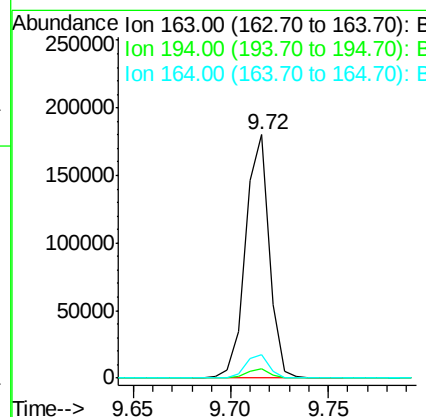
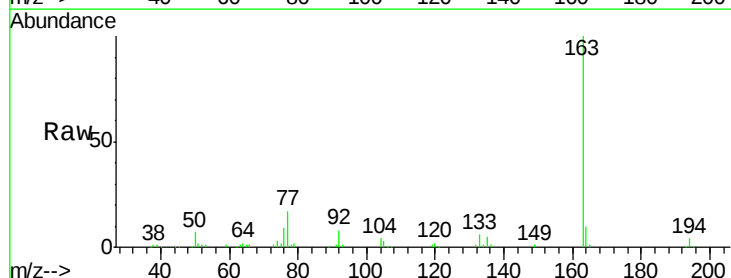
RT: 9.72 min Scan# 1297

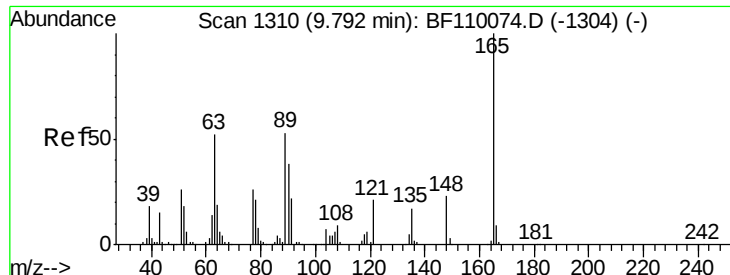
Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion:	163	Resp:	151974
Ion Ratio		Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.6	8.1	12.1





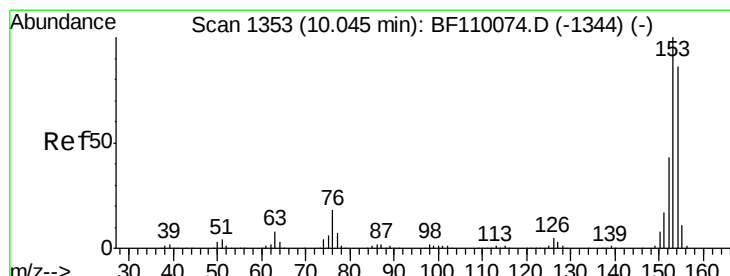
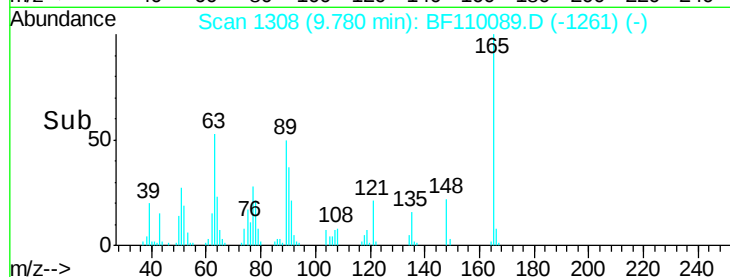
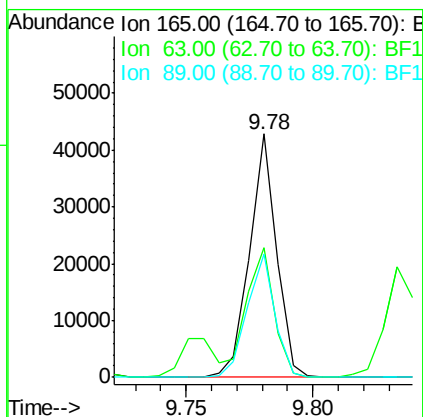
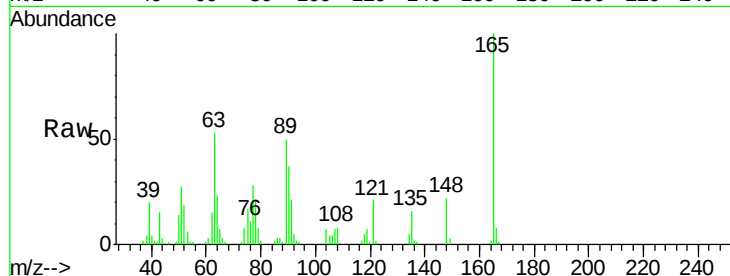
#51
 2,6-Dinitrotoluene
 Concen: 5.418 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	31808		
63	53.1	48.9	73.3	
89	50.5	46.6	69.8	

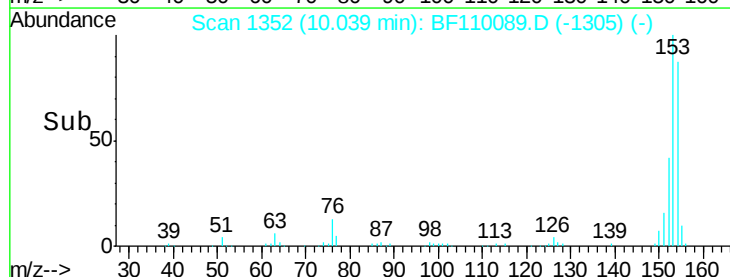
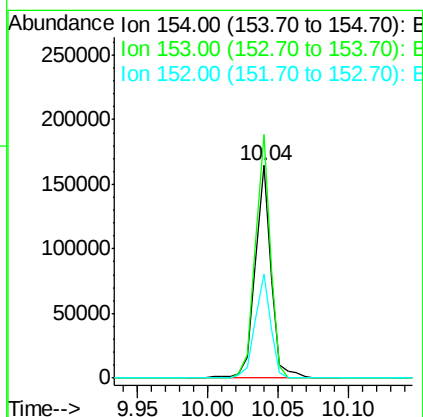
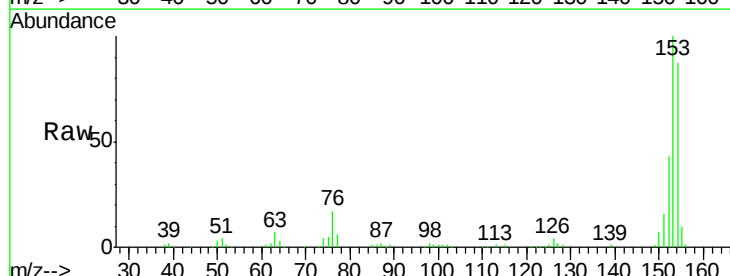
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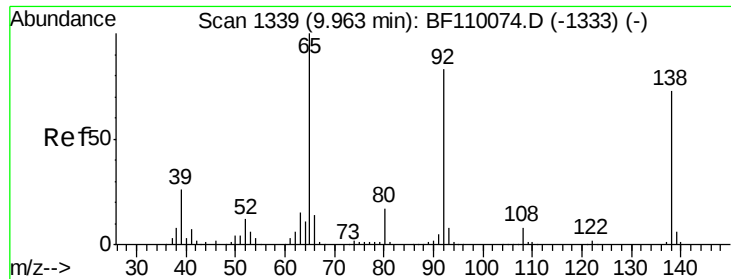
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#52
 Acenaphthene
 Concen: 5.601 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	131072		
153	114.5	90.1	135.1	
152	48.8	43.4	65.2	





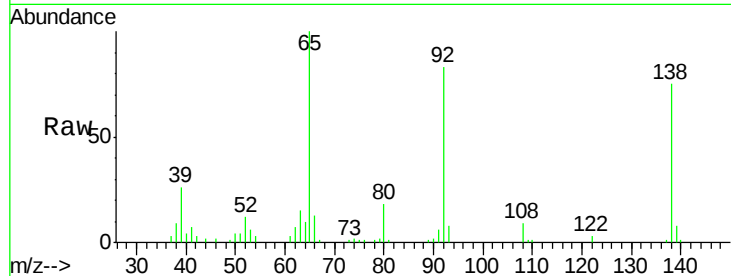
#53
3-Nitroaniline
Concen: 4.366 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

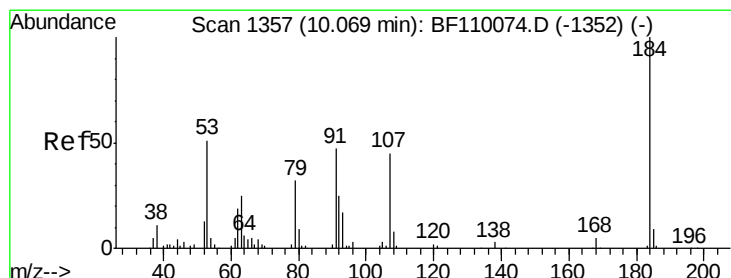
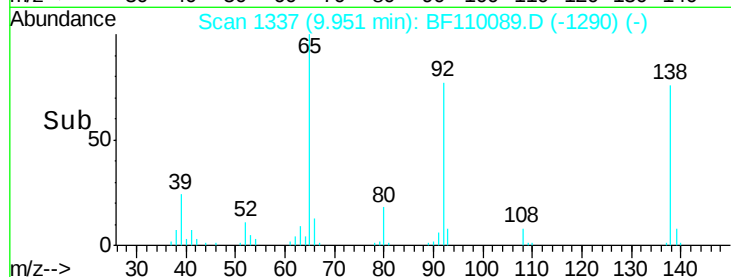
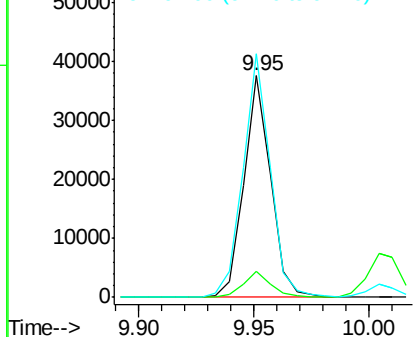
Tgt Ion:138 Resp: 30484
Ion Ratio Lower Upper
138 100
108 11.5 8.7 13.1
92 109.8 97.0 145.4

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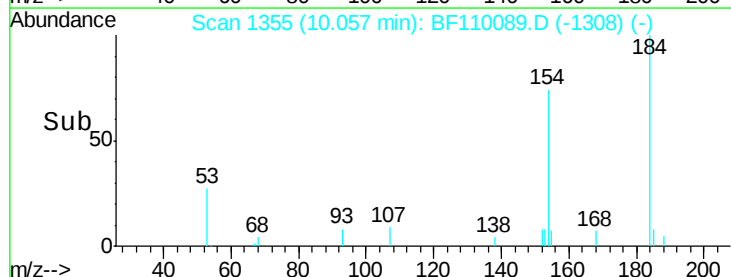
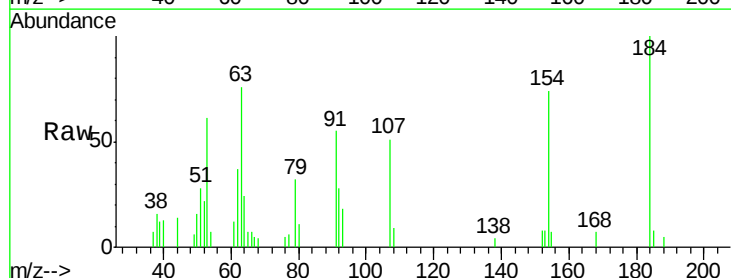
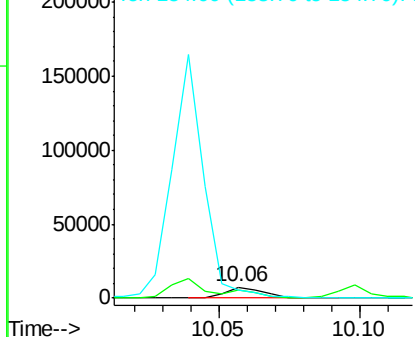
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 7.825 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion:184 Resp: 6603
Ion Ratio Lower Upper
184 100
63 76.2 55.8 83.6
154 73.5 63.2 94.8

Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





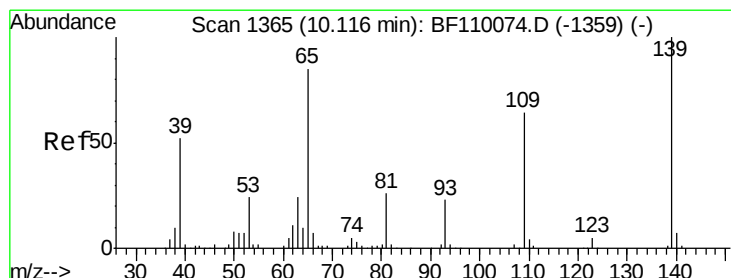
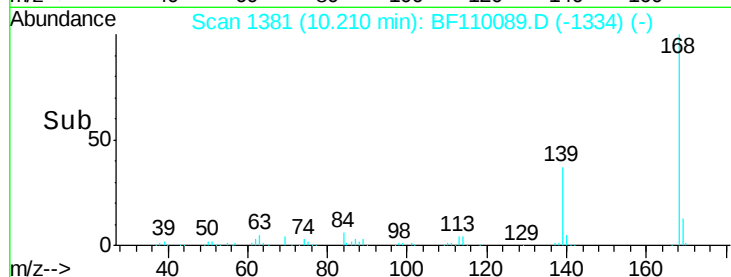
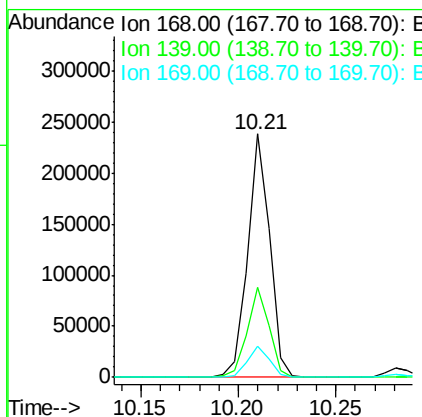
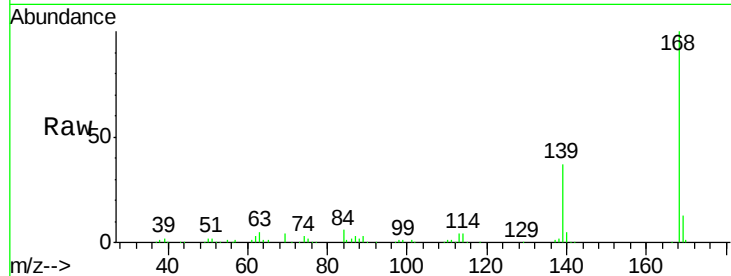
#55
Dibenzenofuran
Concen: 5.689 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	186414		
139	36.9	33.0	49.6	
169	13.0	11.3	16.9	

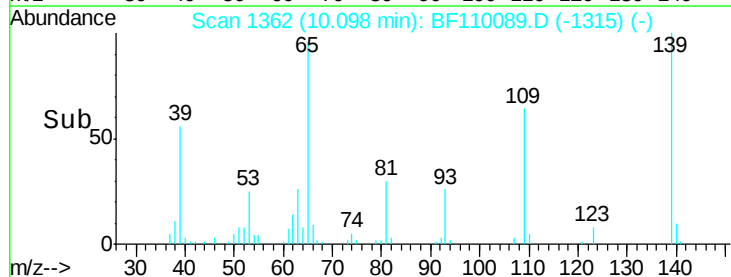
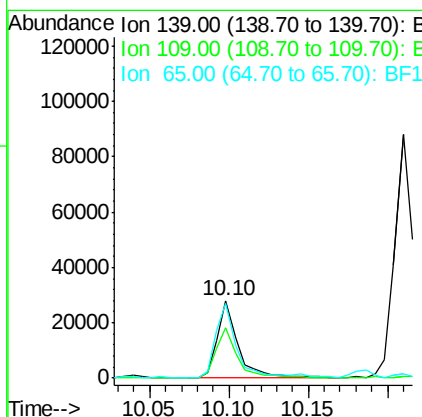
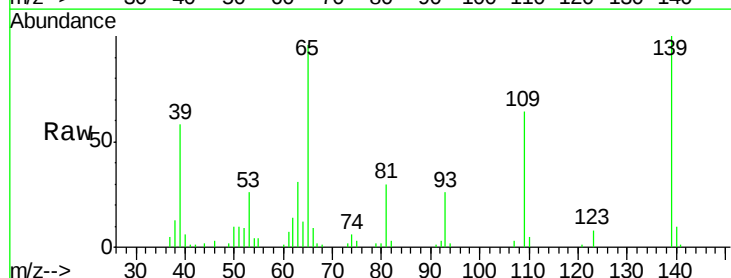
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#56
4-Nitrophenol
Concen: 4.938 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	25515		
109	64.3	55.8	95.8	
65	95.9	77.9	117.9	





#57

2,4-Dinitrotoluene

Concen: 5.270 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BF110089.D

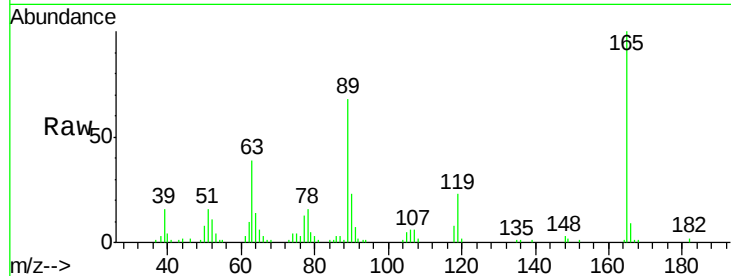
Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

ClientSampleId :

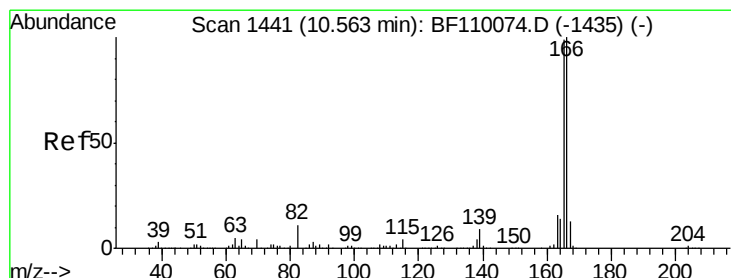
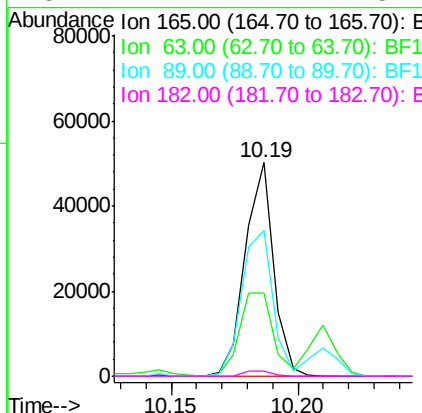
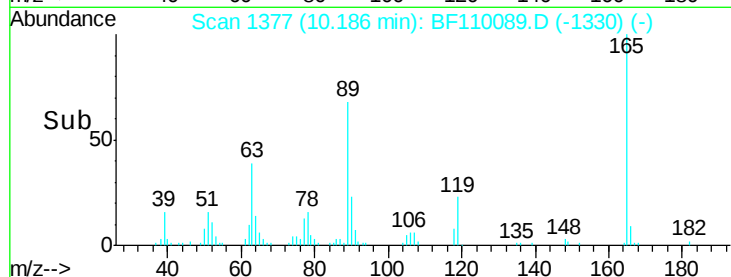
MDL-MDL-SOIL-03-QT4-2018



Tgt Ion	Ratio	Resp	Lower	Upper
165	100	39299		
63	39.2	44.8	67.2#	
89	68.1	62.2	93.4	
182	2.4	2.1	3.1	

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#58

Fluorene

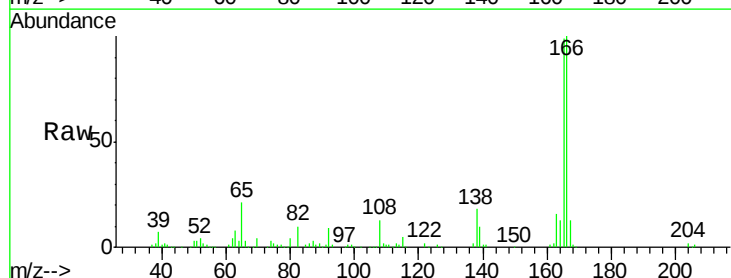
Concen: 6.104 ng

RT: 10.56 min Scan# 1440

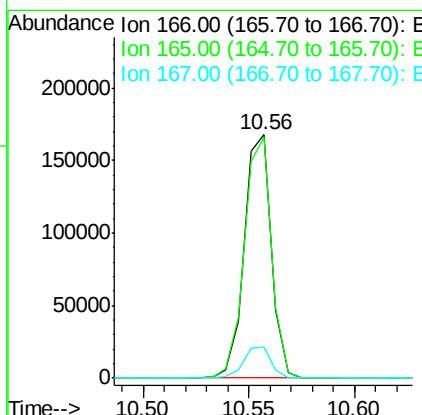
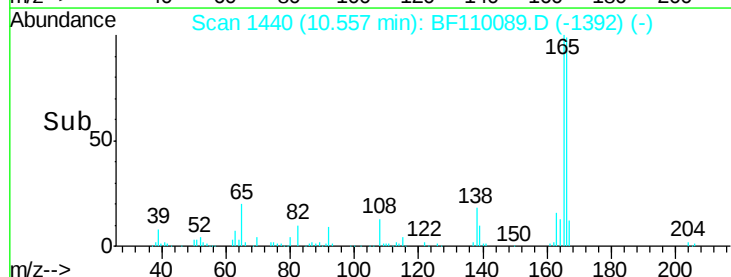
Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	148851		
165	99.0	78.6	117.8	
167	12.6	10.8	16.2	





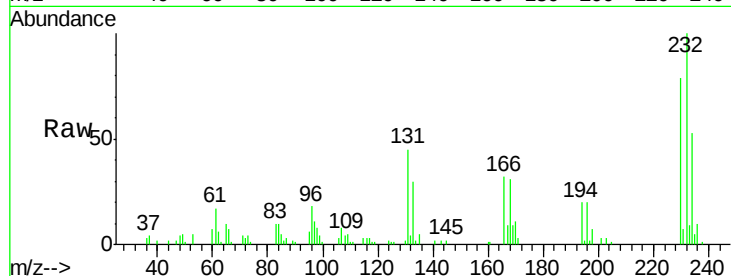
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 5.085 ng m
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

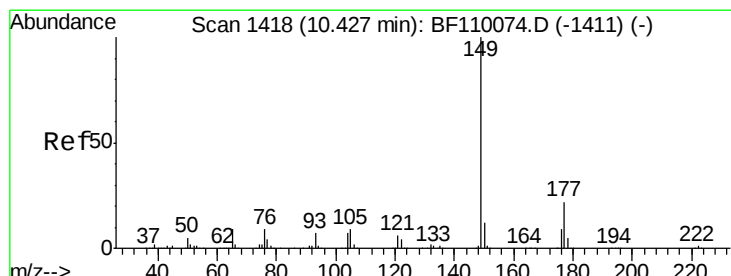
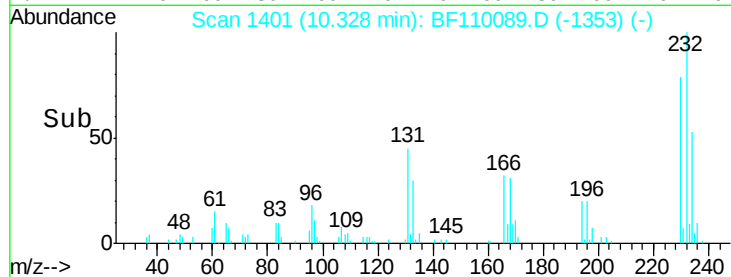
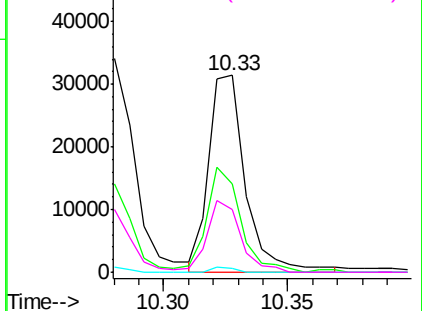
Tgt Ion	Ratio	Lower	Upper
232	100		
131	38.4	37.0	55.4
130	1.9	1.8	2.6
166	24.7	22.0	33.0

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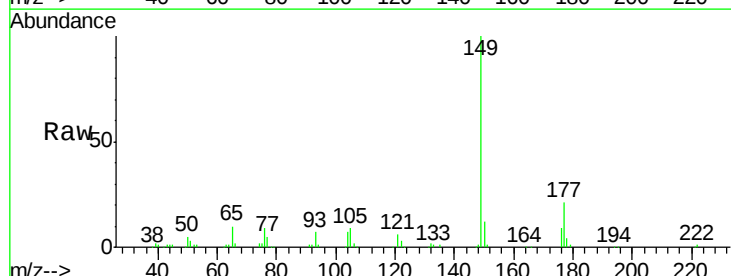


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

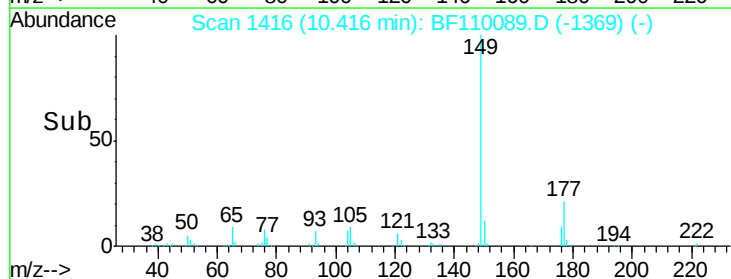
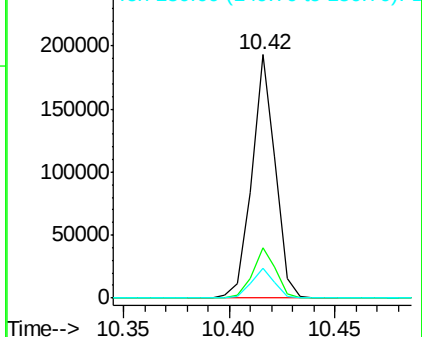


#60
 Diethylphthalate
 Concen: 5.576 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.4	26.2
150	12.1	9.8	14.8



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





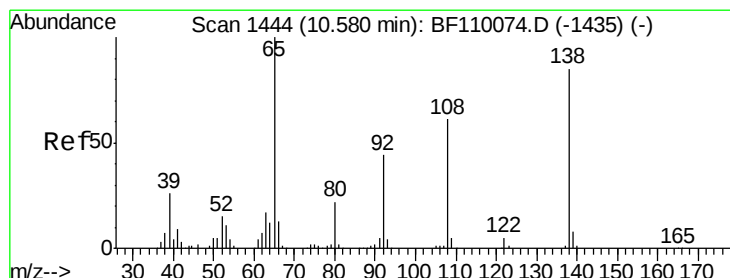
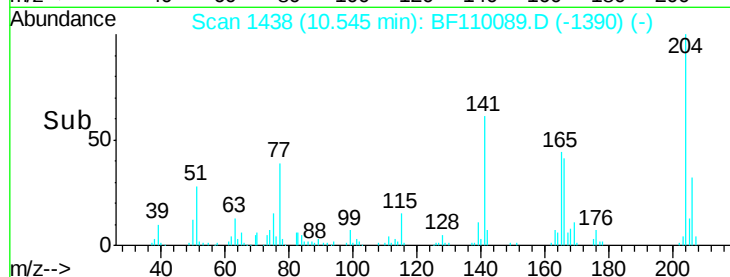
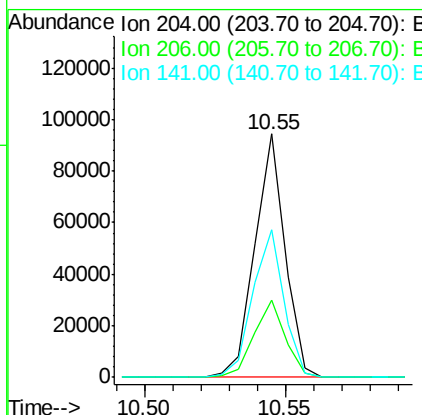
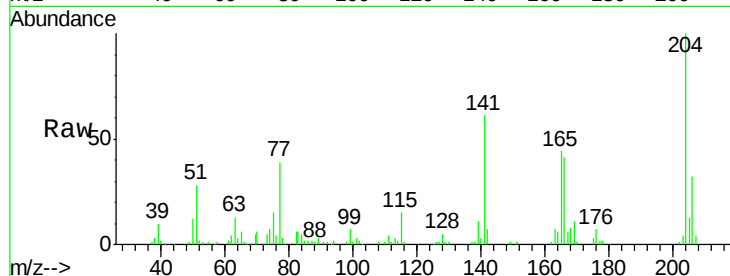
#61
4-Chlorophenyl-phenylether
Concen: 5.444 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.5	39.7
141	60.5	51.8	77.8

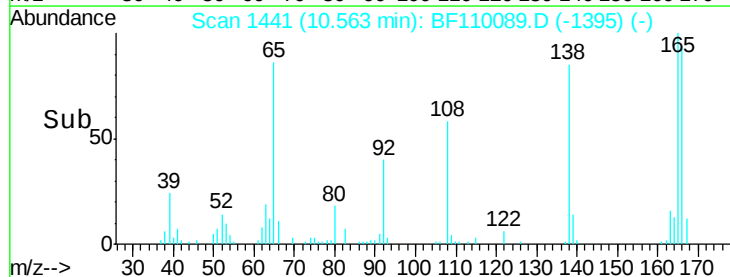
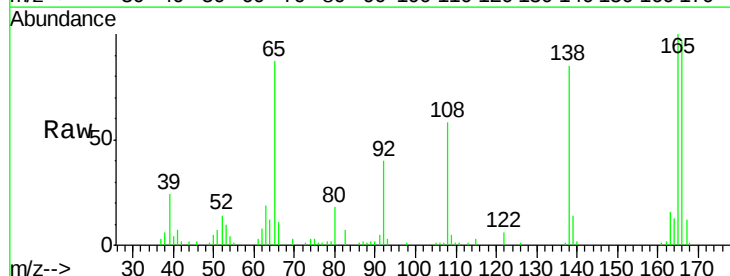
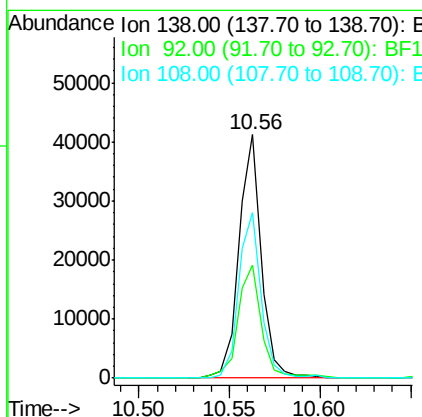
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#62
4-Nitroaniline
Concen: 5.090 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.03 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.6	31.7	71.7
108	68.1	59.3	99.3





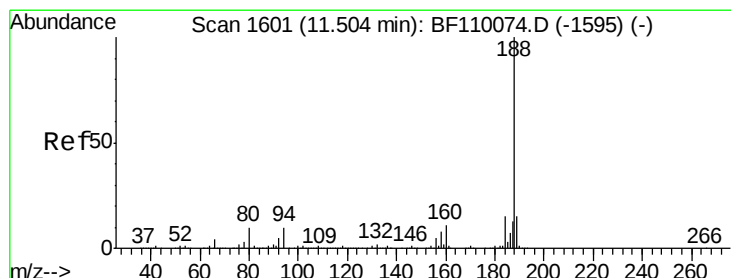
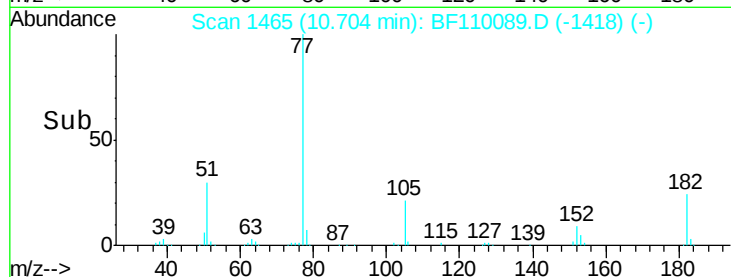
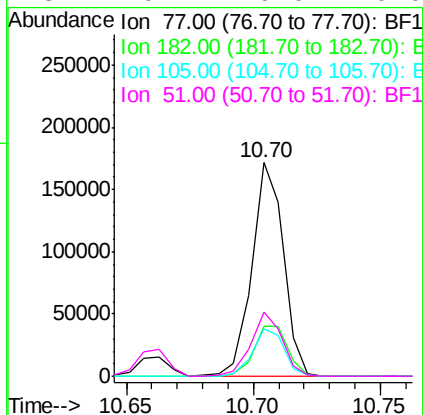
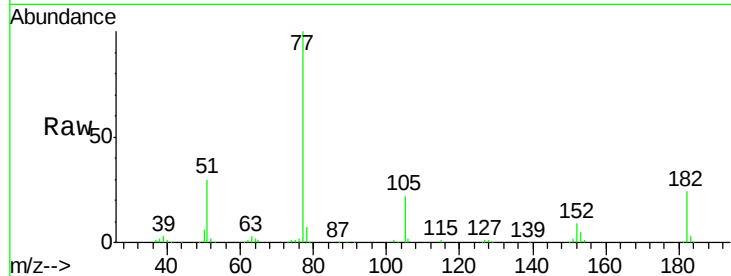
#63
Azobenzene
Concen: 5.643 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	149031		
182	23.7	4.3	44.3	
105	21.9	1.3	41.3	
51	29.7	9.0	49.0	

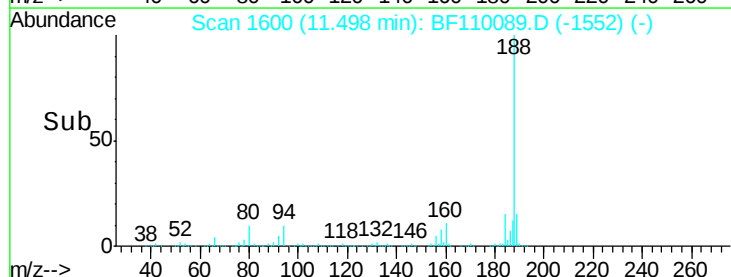
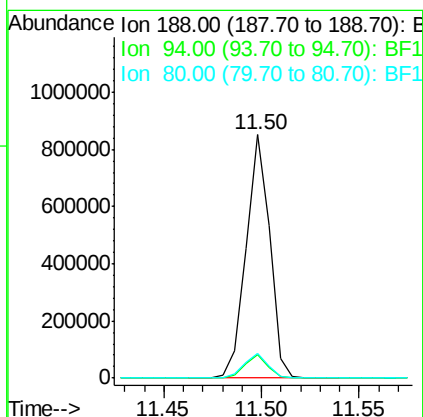
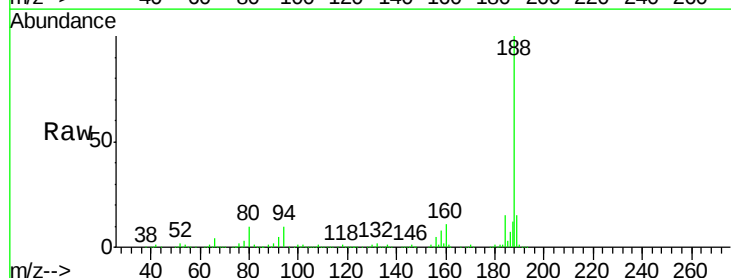
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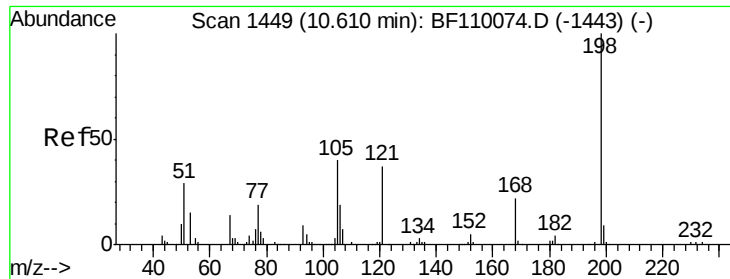
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	717002		
94	9.8	7.2	10.8	
80	10.4	7.9	11.9	





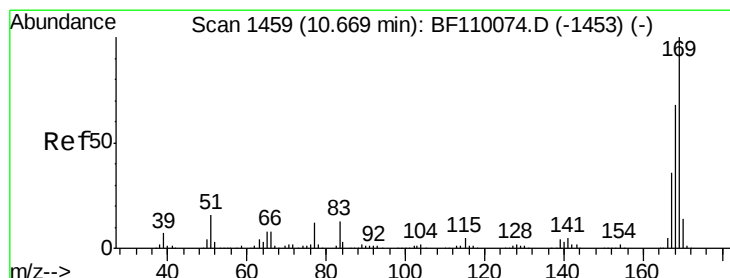
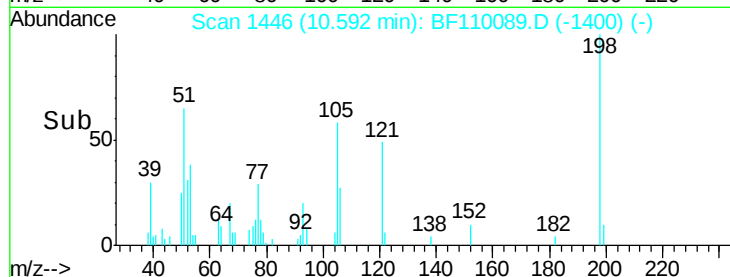
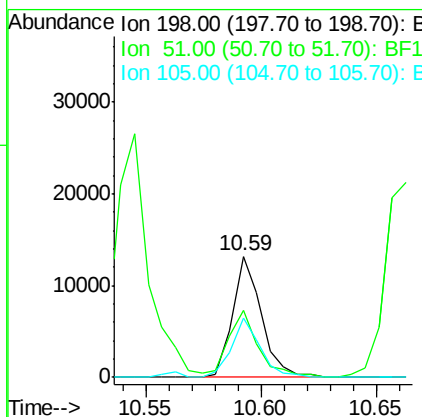
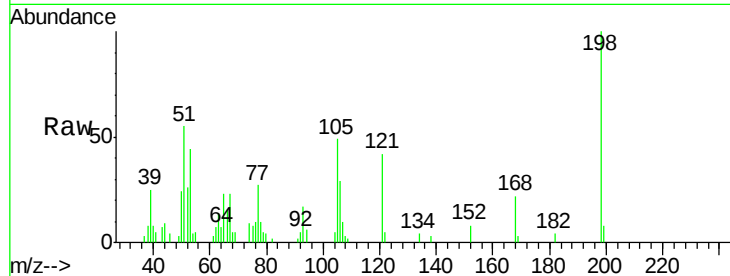
#65
4,6-Dinitro-2-methylphenol
Concen: 3.517 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.03 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.2	22.8	62.8
105	48.8	23.6	63.6

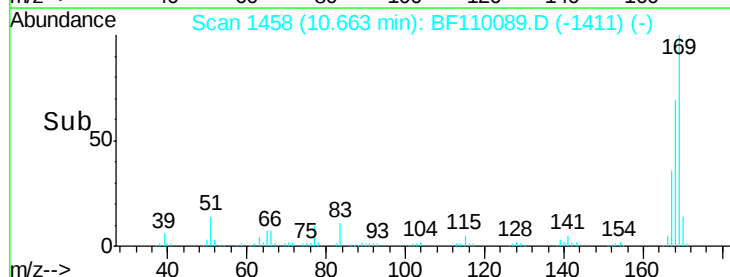
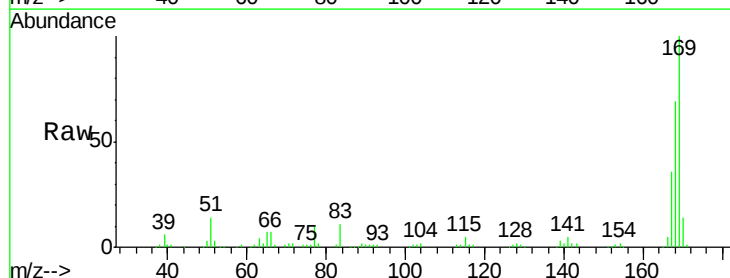
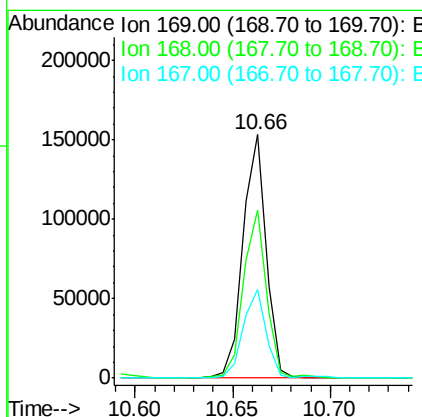
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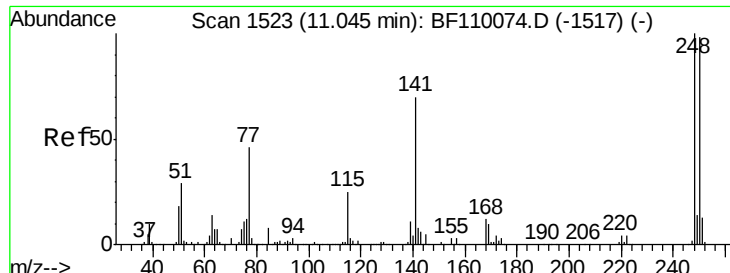
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#66
n-Nitrosodiphenylamine
Concen: 5.365 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.0	51.2	76.8
167	36.2	27.8	41.6





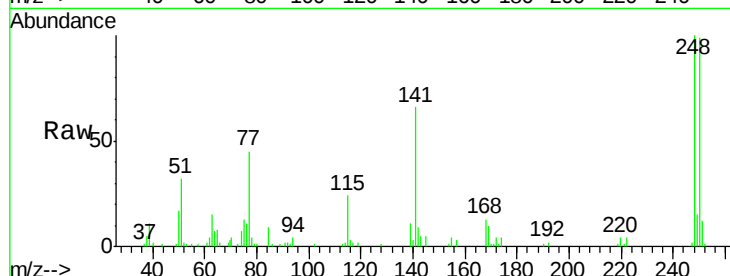
#67
 4-Bromophenyl-phenylether
 Concen: 5.338 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

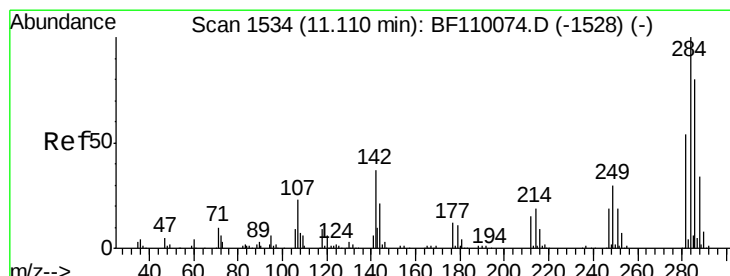
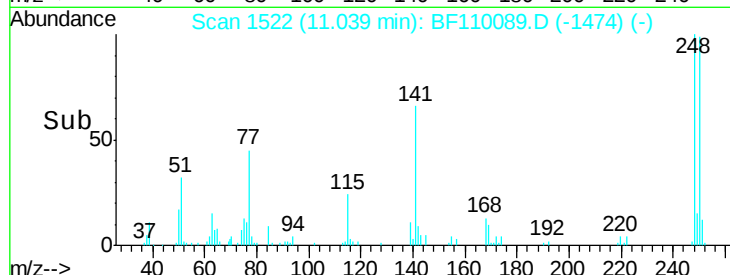
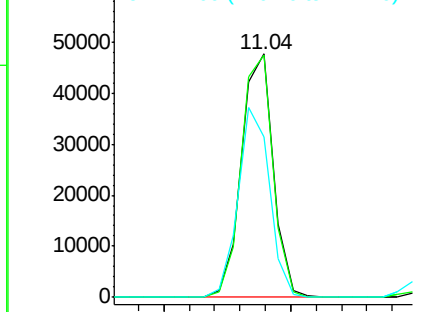
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.4	79.4	119.2
141	65.8	55.9	83.9

Manual Integrations
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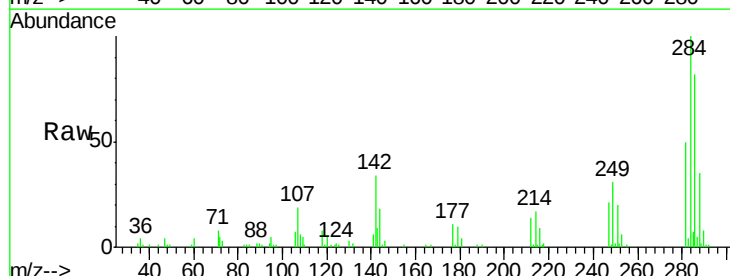


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

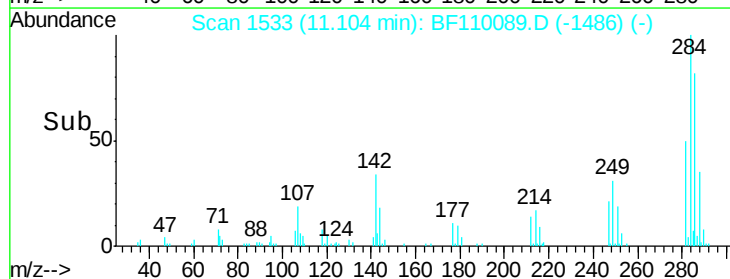
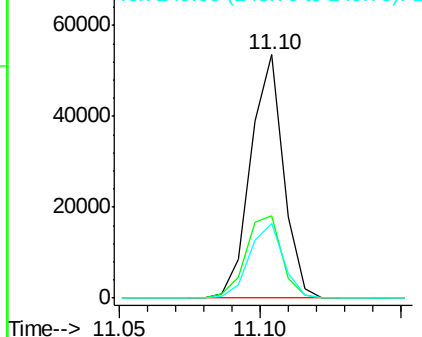


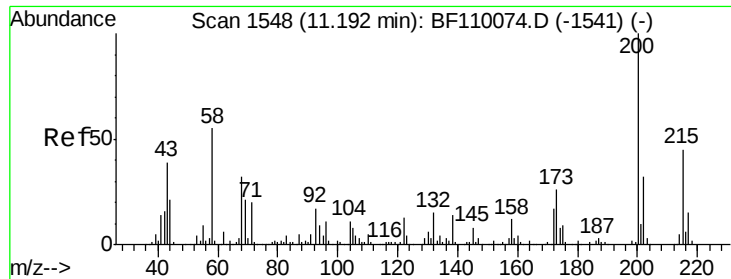
#68
 Hexachlorobenzene
 Concen: 5.220 ng
 RT: 11.10 min Scan# 1533
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.9	23.9	35.9
249	30.9	24.2	36.2



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





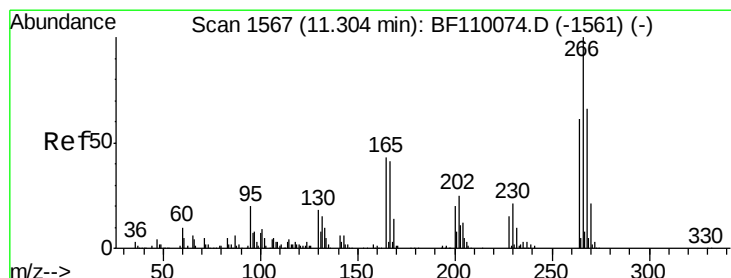
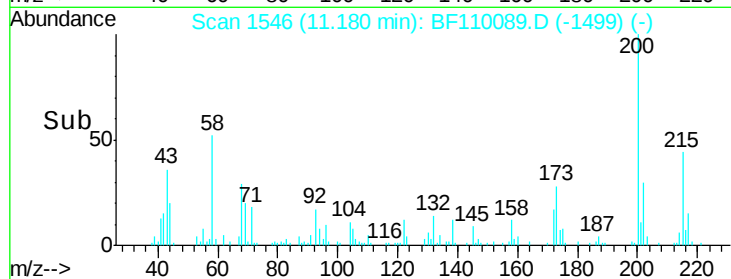
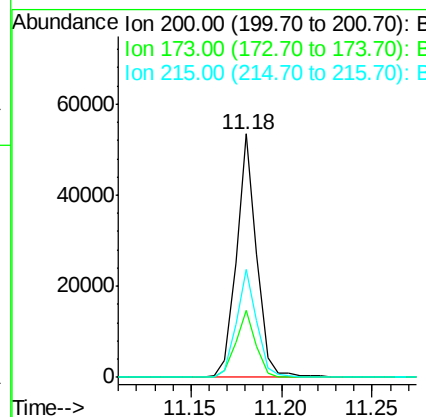
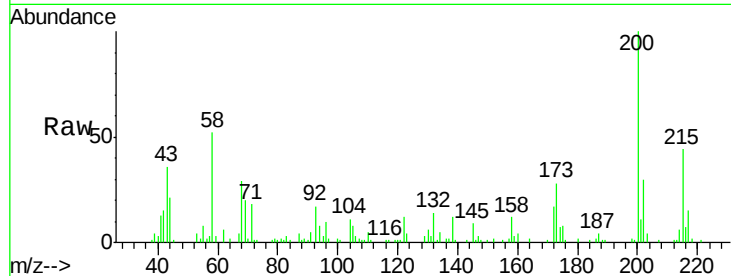
#69
Atrazine
Concen: 5.563 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.8	6.6	46.6
215	44.2	26.3	66.3

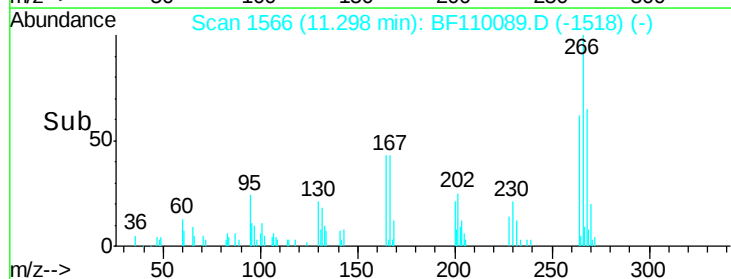
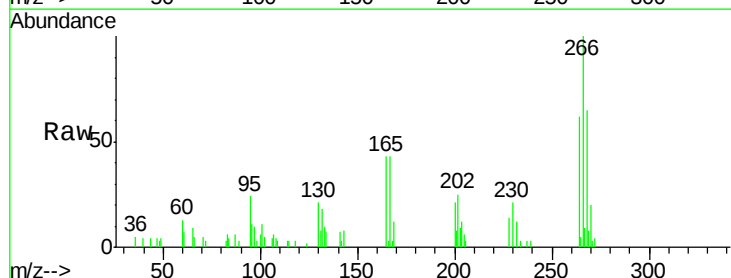
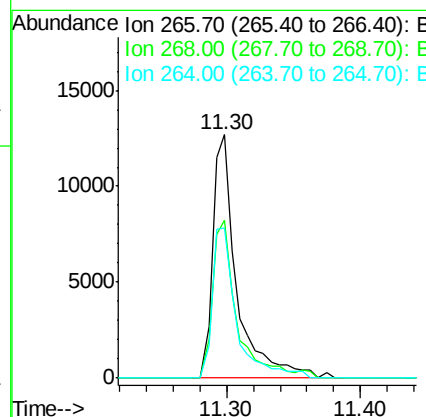
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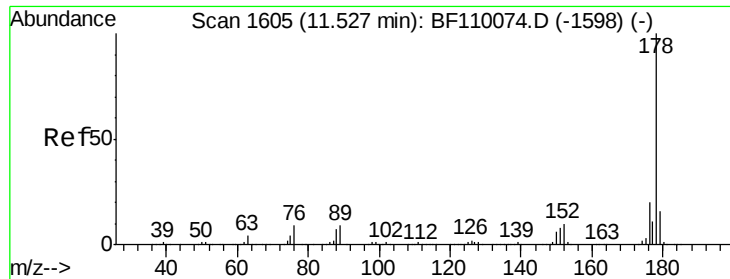
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#70
Pentachlorophenol
Concen: 3.333 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.7	50.6	75.8
264	61.9	50.6	75.8





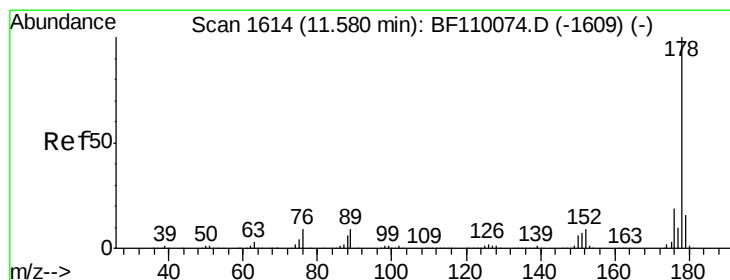
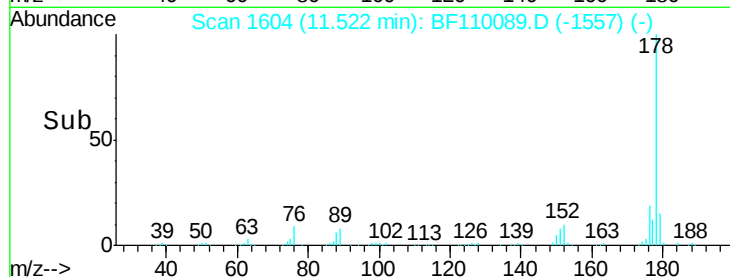
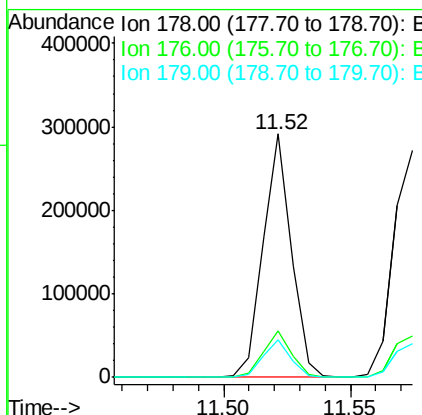
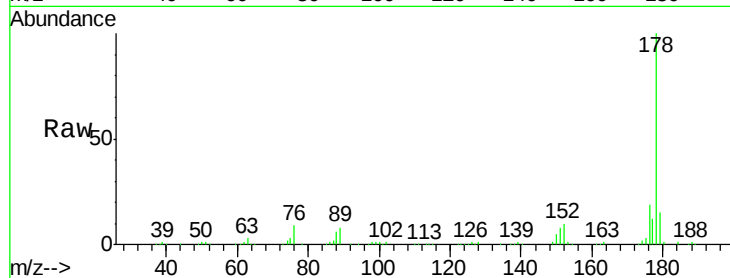
#71
Phenanthrene
Concen: 6.012 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.5	12.5	18.7

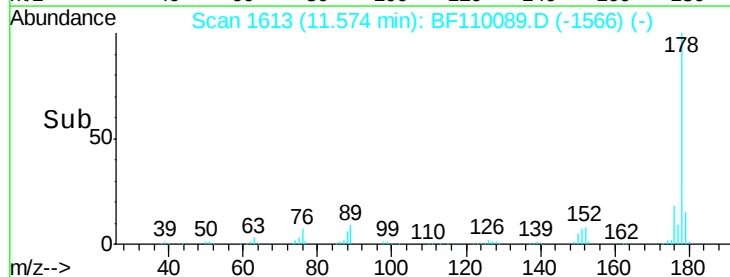
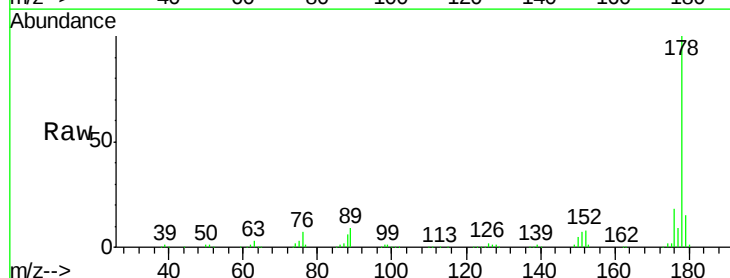
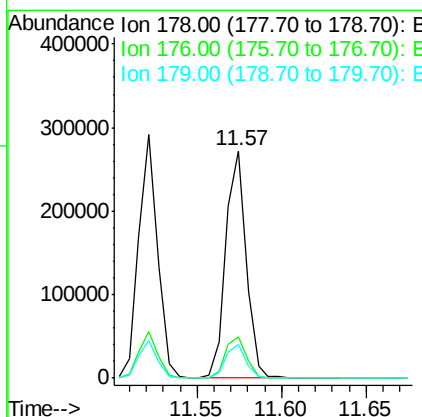
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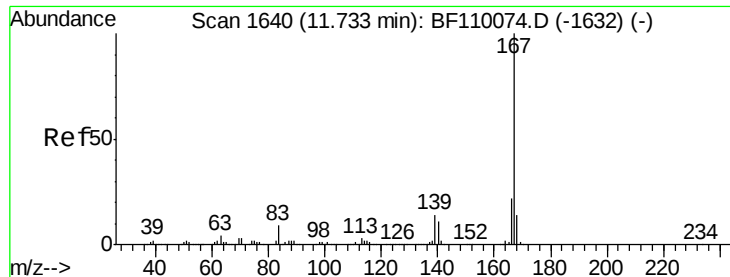
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#72
Anthracene
Concen: 6.115 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	14.7	12.6	18.8





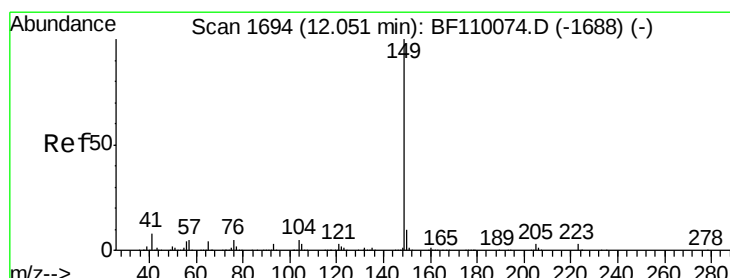
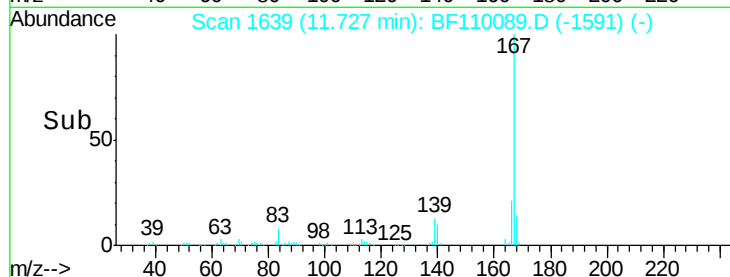
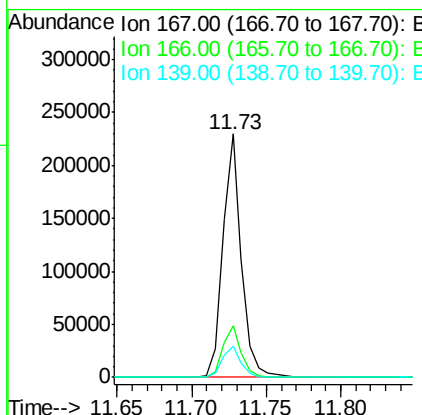
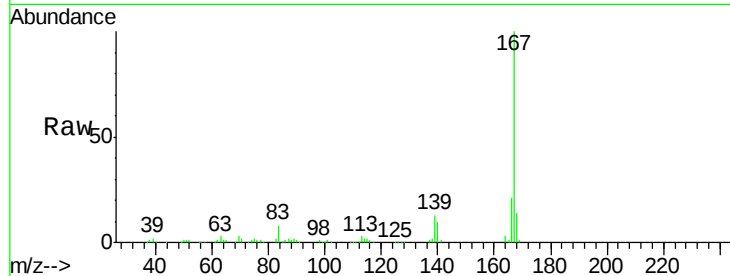
#73
 Carbazole
 Concen: 5.445 ng
 RT: 11.73 min Scan# 1639
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	199928		
166	21.3		17.4	26.0
139	12.6		10.9	16.3

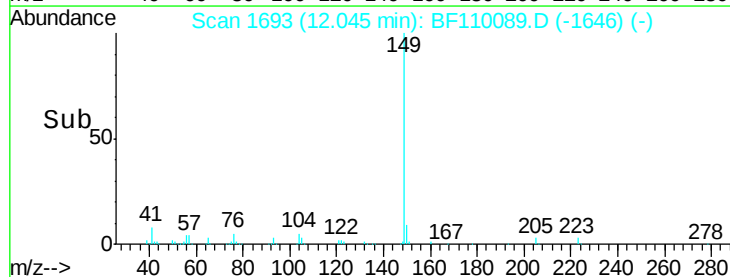
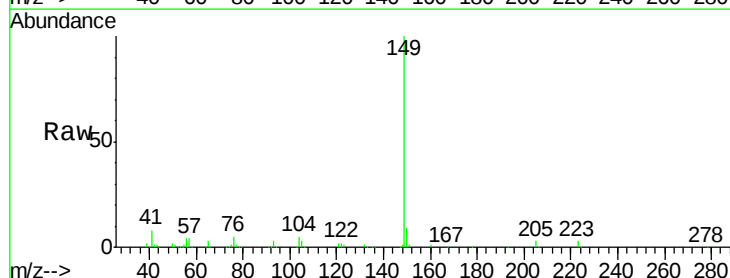
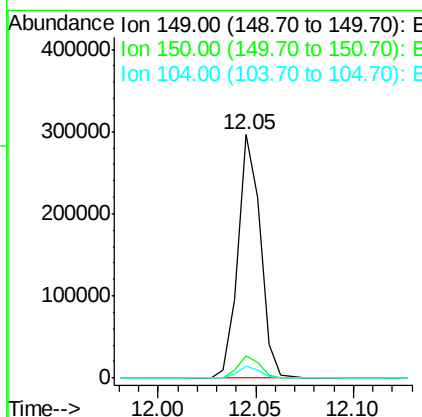
Manual Integrations
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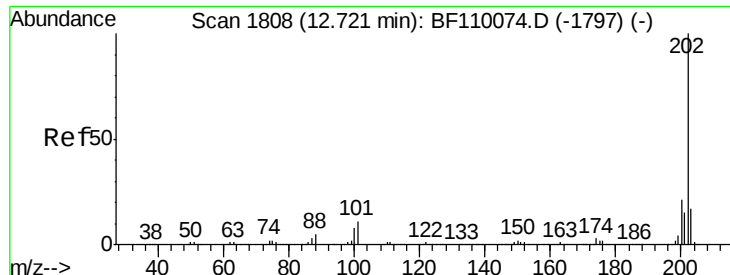
Sohil
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#74
 Di-n-butylphthalate
 Concen: 5.692 ng
 RT: 12.05 min Scan# 1693
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	236018		
150	9.1		7.7	11.5
104	4.9		4.2	6.4





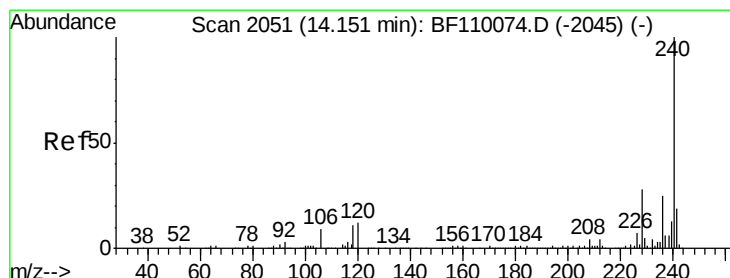
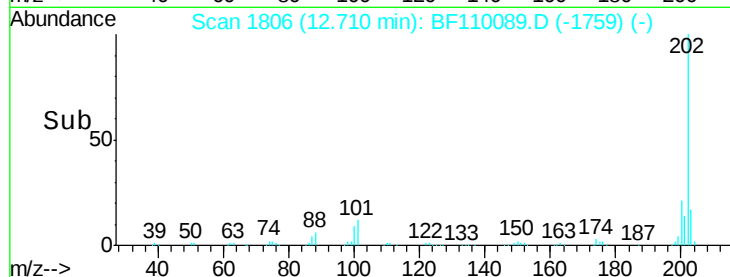
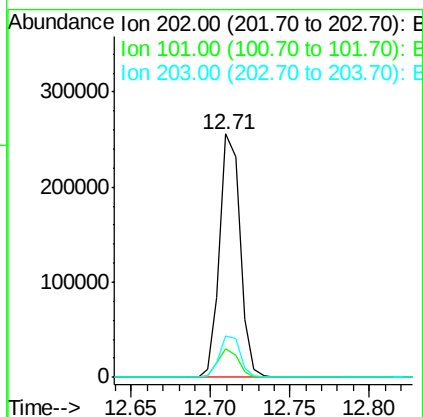
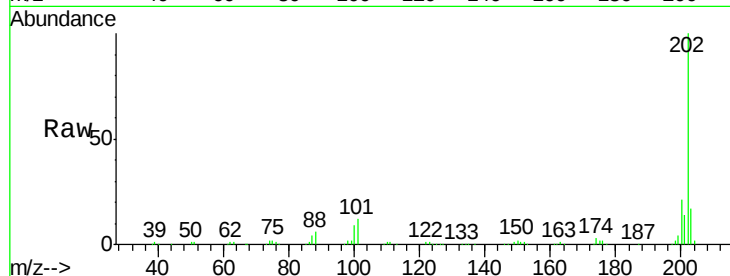
#75
 Fluoranthene
 Concen: 6.073 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.8	0.0	31.4
203	17.0	0.0	37.7

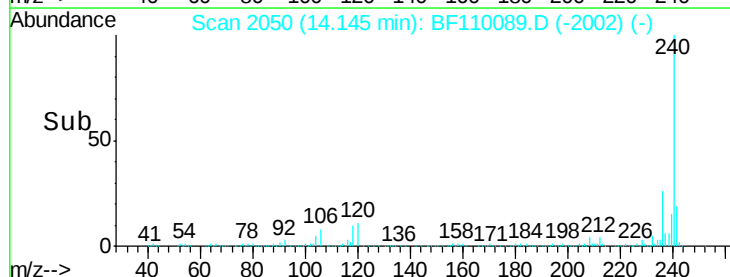
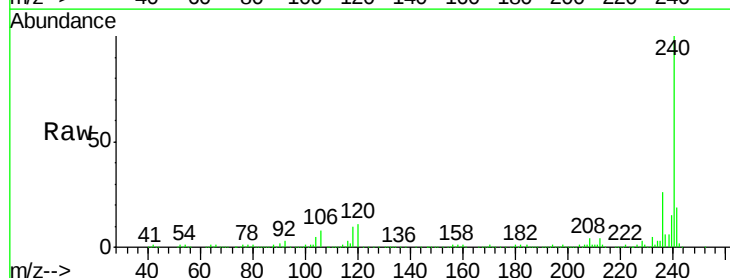
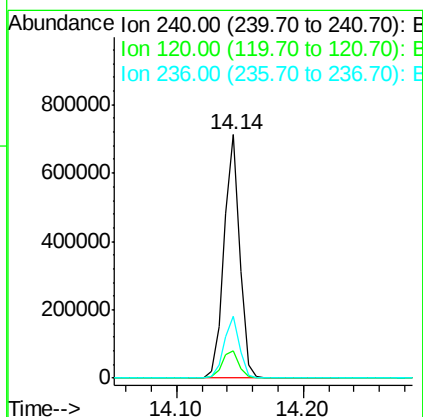
Manual Integrations
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BF110089.D
 Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.2	8.3	12.5
236	25.6	21.2	31.8





#77

Benzidine

Concen: 2.127 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

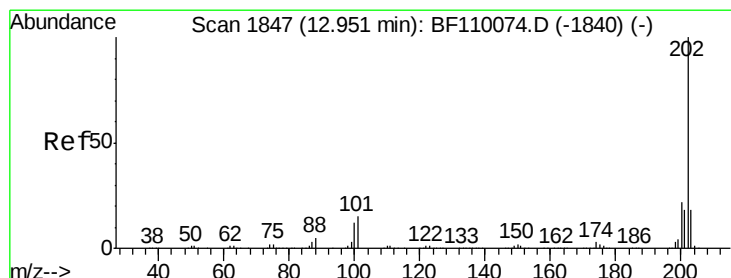
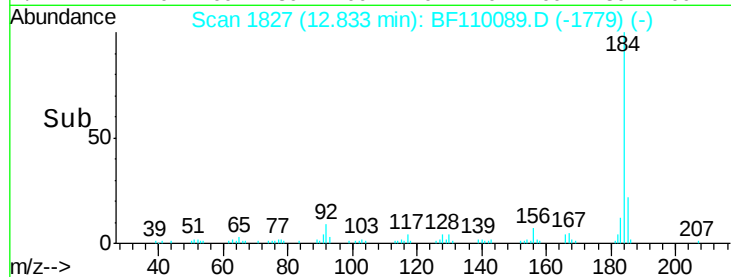
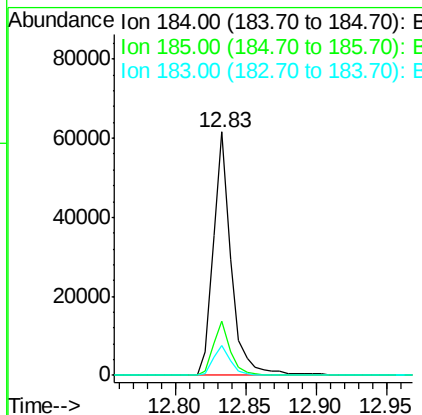
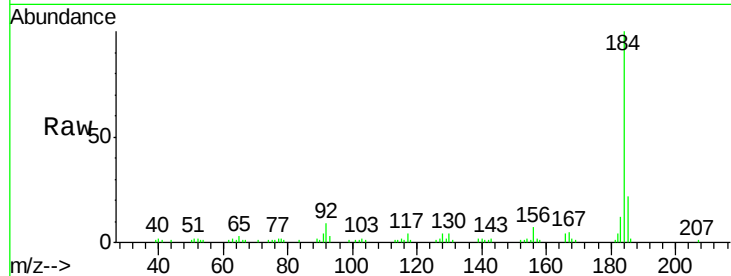
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	184	Resp:	54039
Ion Ratio	Lower	Upper	
184	100		
185	22.3	13.4	20.2#
183	12.5	9.4	14.2

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#78

Pyrene

Concen: 5.288 ng

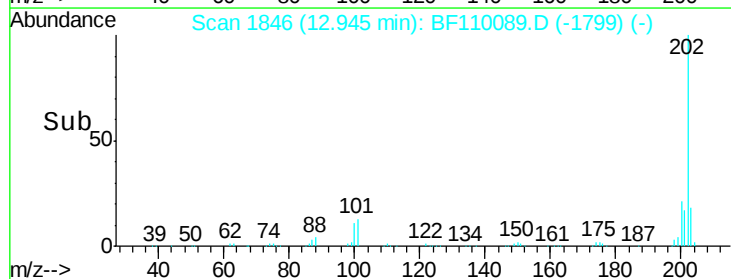
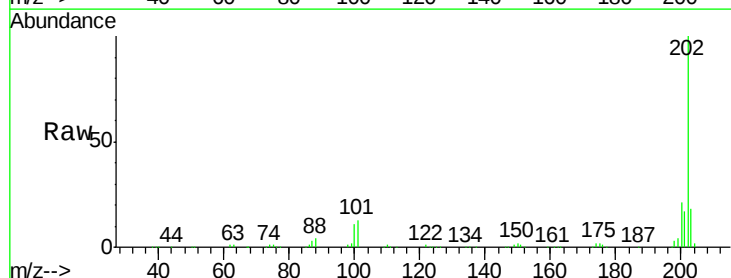
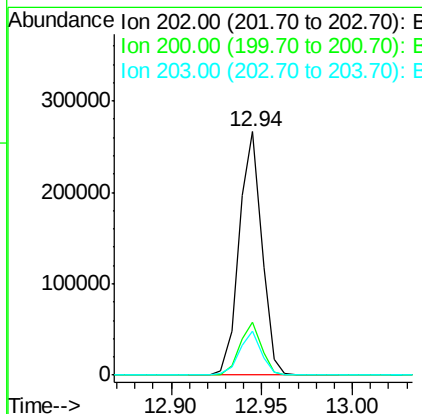
RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion:	202	Resp:	231606
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.8	26.6
203	17.9	14.2	21.4





#79

Terphenyl-d14

Concen: 68.039 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

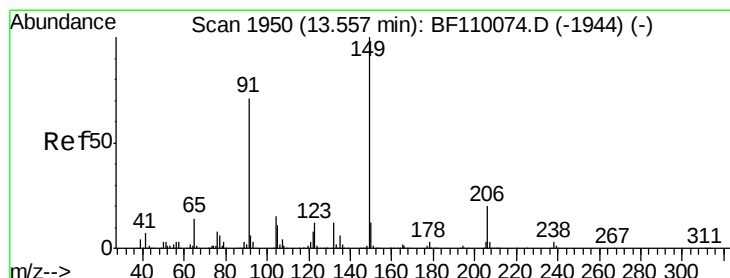
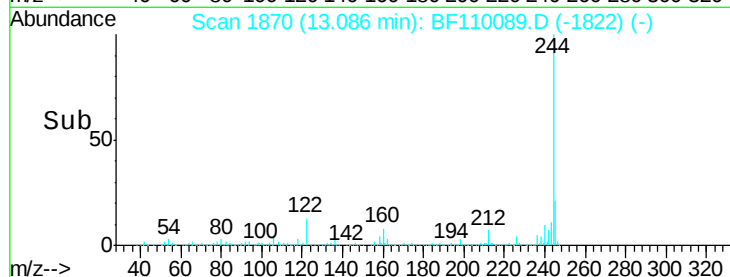
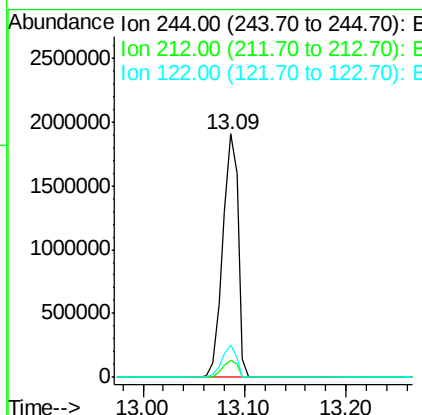
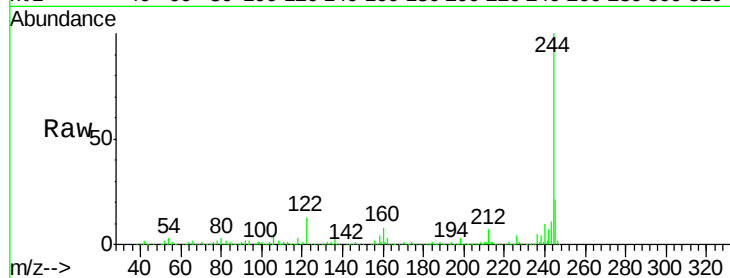
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.4	8.7	13.1

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#80

Butylbenzylphthalate

Concen: 5.024 ng

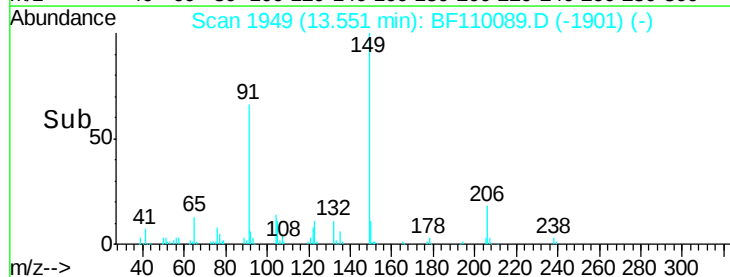
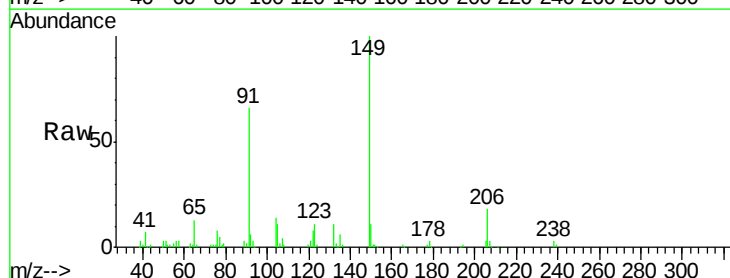
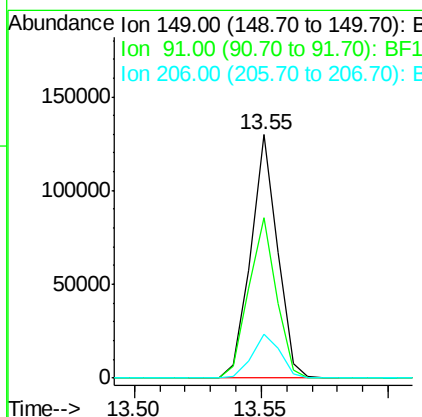
RT: 13.55 min Scan# 1949

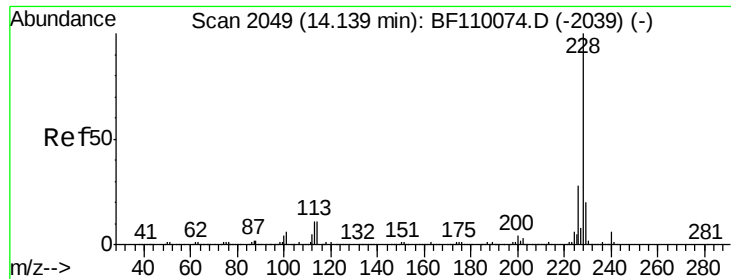
Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.6	57.2	85.8
206	18.0	15.7	23.5





#81

Benzo(a)anthracene

Concen: 5.723 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

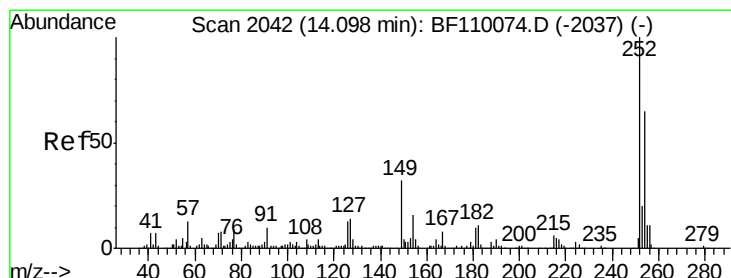
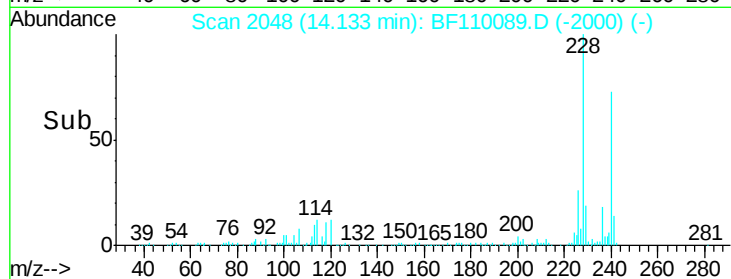
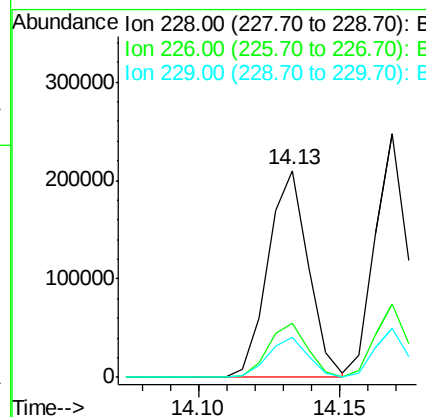
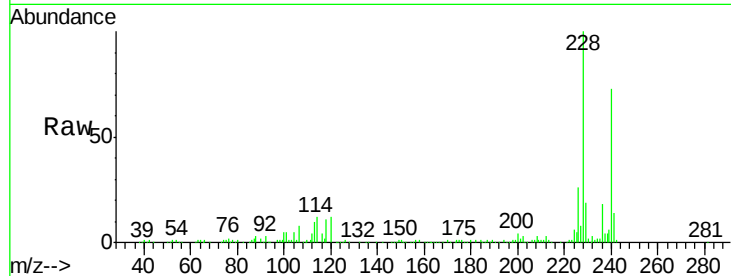
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt	Ion	228	Resp:	207350
Ion	Ratio	Lower	Upper	
228	100			
226	26.0	22.1	33.1	
229	19.4	15.6	23.4	

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#82

3,3'-Dichlorobenzidine

Concen: 3.905 ng

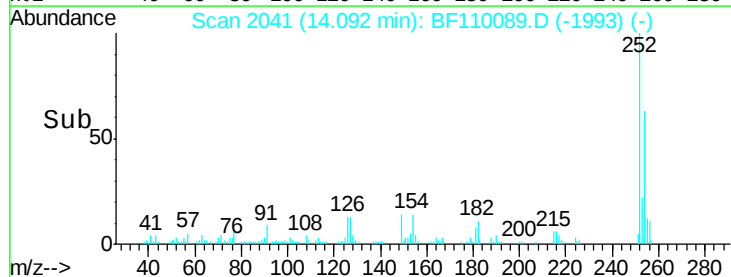
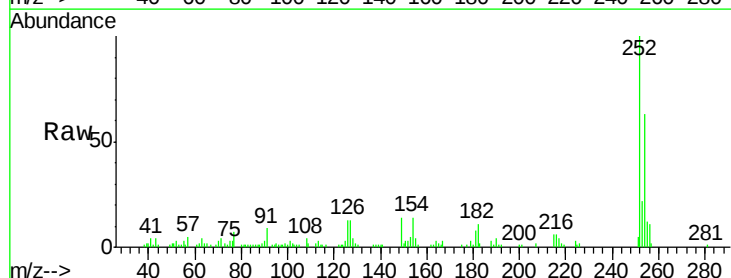
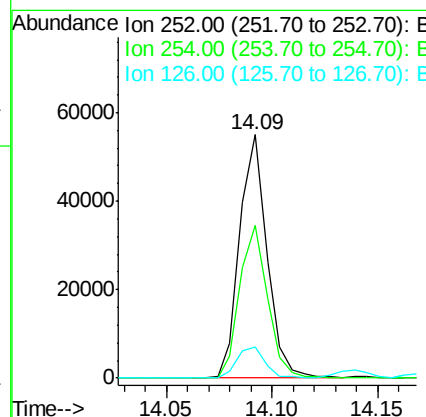
RT: 14.09 min Scan# 2041

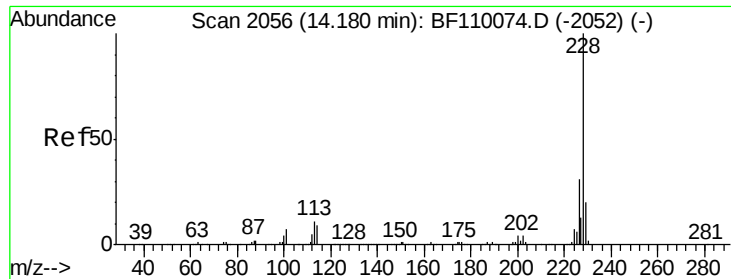
Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt	Ion	252	Resp:	49262
Ion	Ratio	Lower	Upper	
252	100			
254	62.6	51.3	76.9	
126	12.5	9.4	14.2	





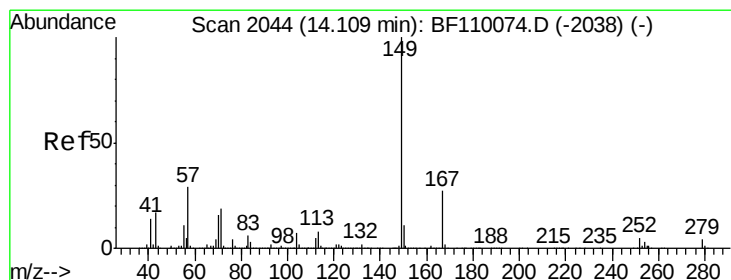
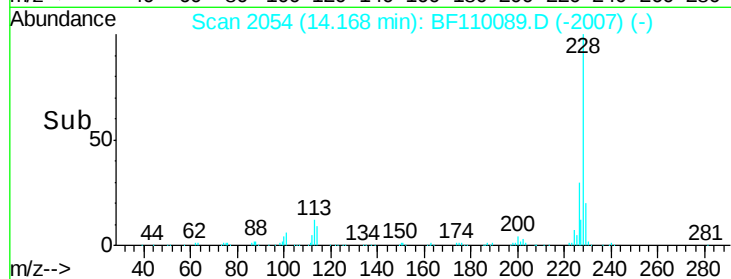
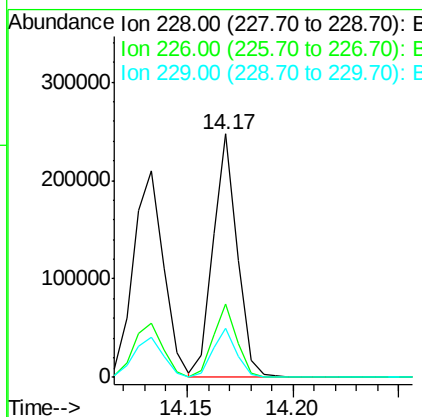
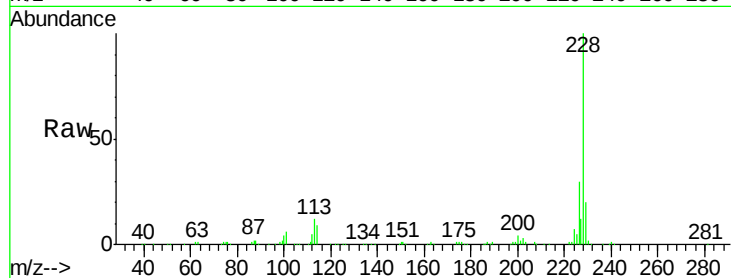
#83
Chrysene
Concen: 5.710 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	19.9	15.9	23.9

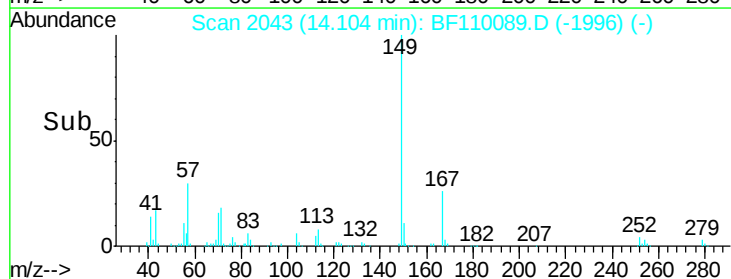
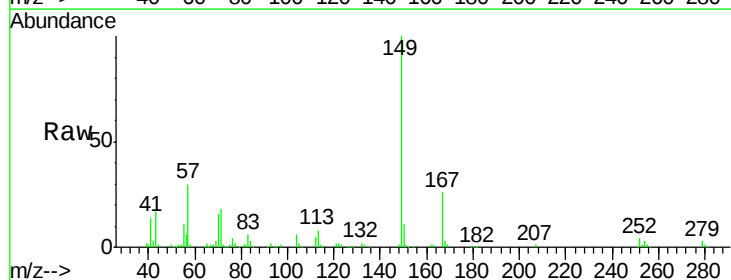
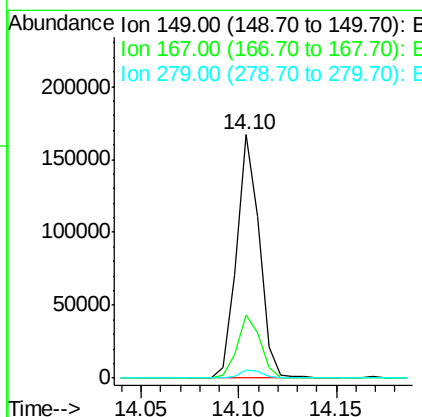
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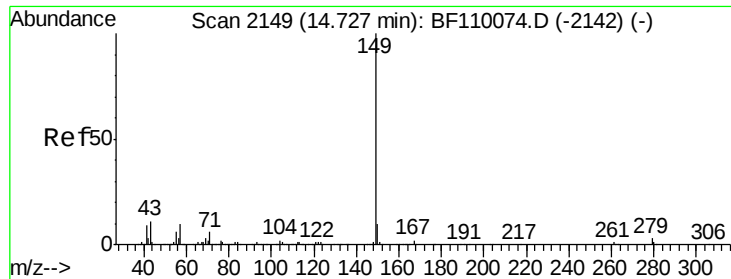
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.267 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	19.8	29.8
279	3.1	2.7	4.1





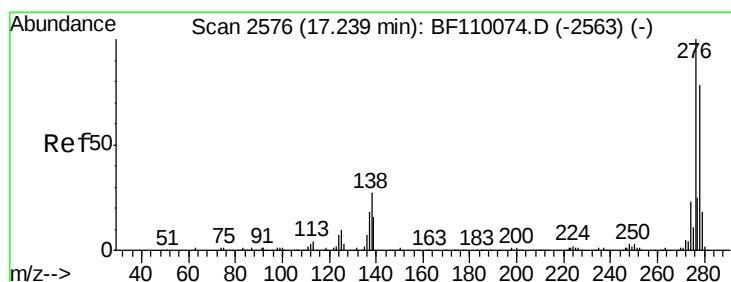
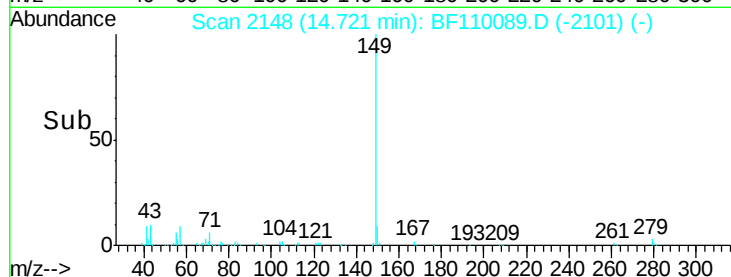
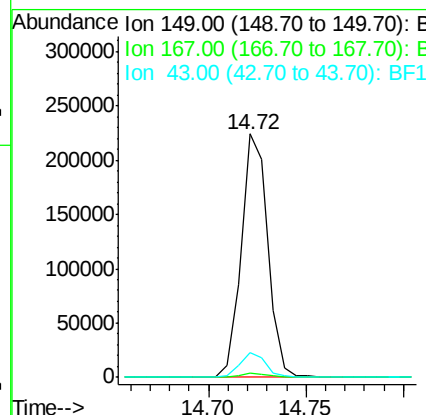
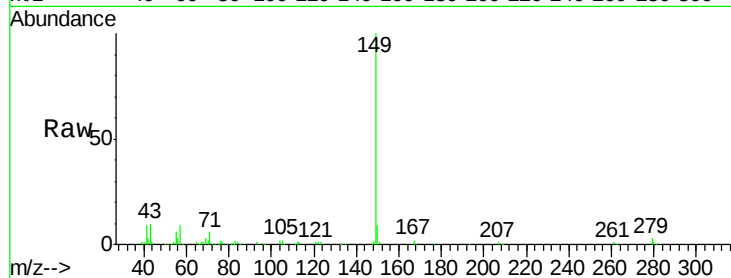
#85
Di-n-octyl phthalate
Concen: 5.271 ng
RT: 14.72 min Scan# 2148
Delta R.T. -0.02 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.5	1.1	1.7
43	10.2	7.8	11.8

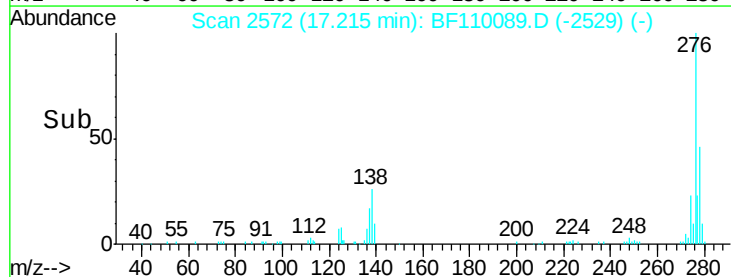
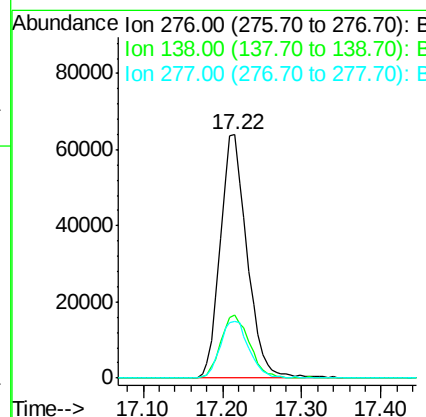
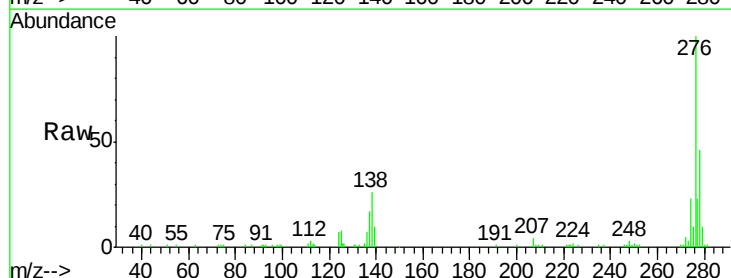
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.259 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.05 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.6	18.5	27.7
277	25.0	20.0	30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Instrument :

BNA_F

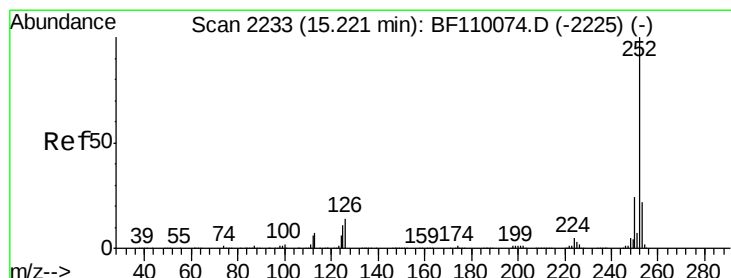
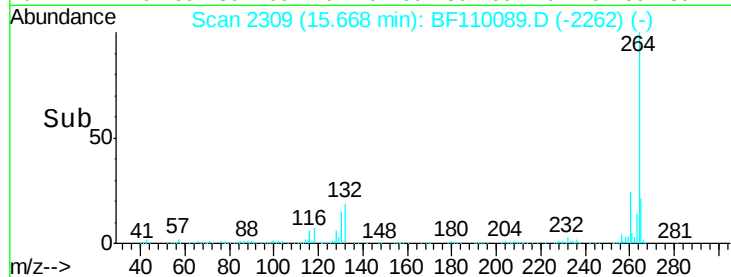
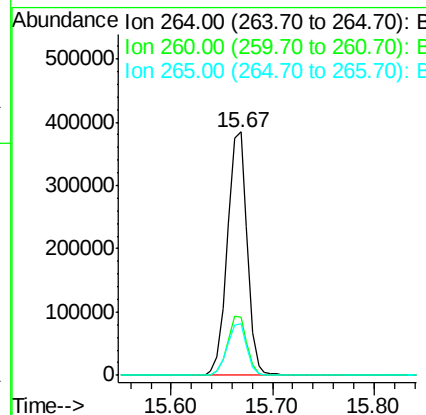
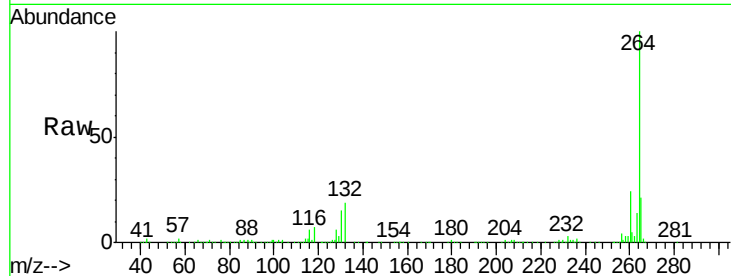
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	264	Resp:	519471
Ion Ratio		Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.1	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 5.755 ng

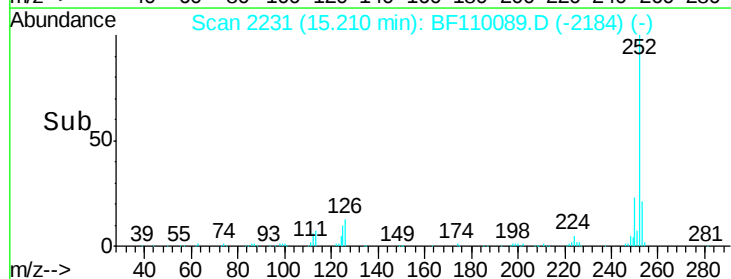
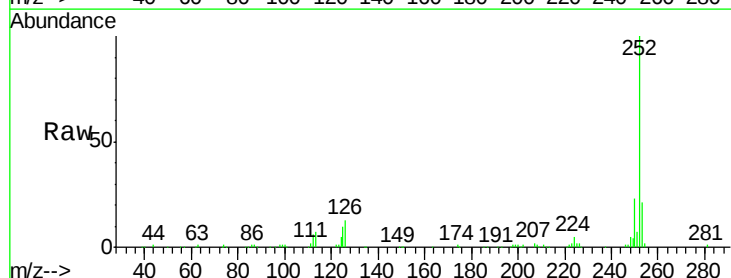
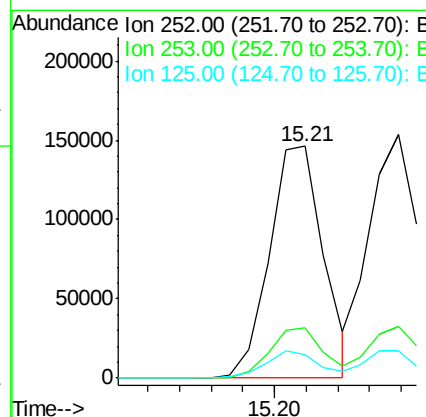
RT: 15.21 min Scan# 2231

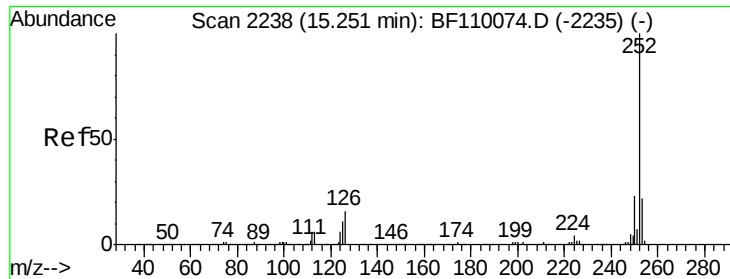
Delta R.T. -0.02 min

Lab File: BF110089.D

Acq: 23 Oct 2018 20:37

Tgt Ion:	252	Resp:	172641
Ion Ratio		Lower	Upper
252	100		
253	21.5	17.2	25.8
125	10.1	8.2	12.4





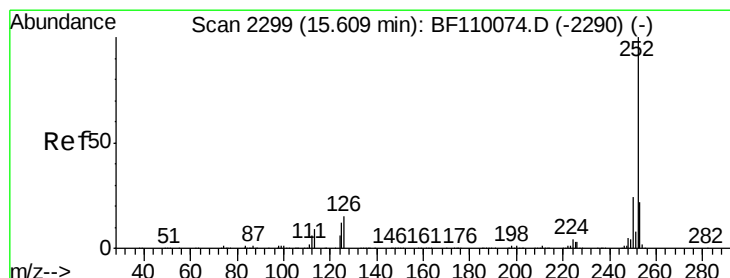
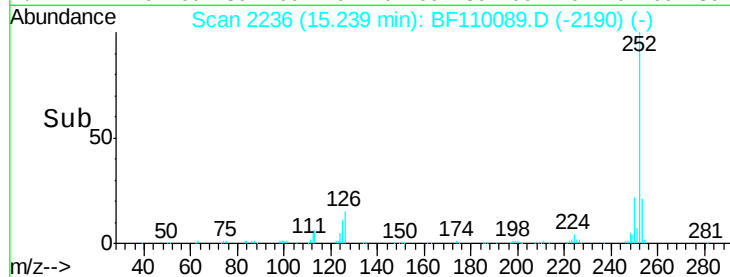
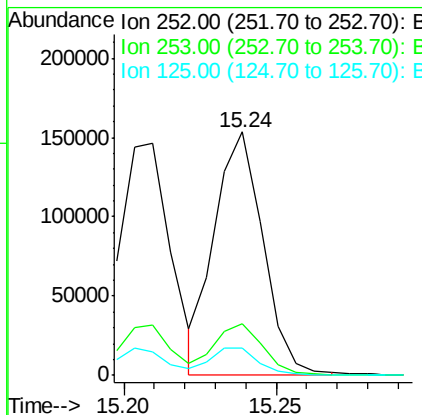
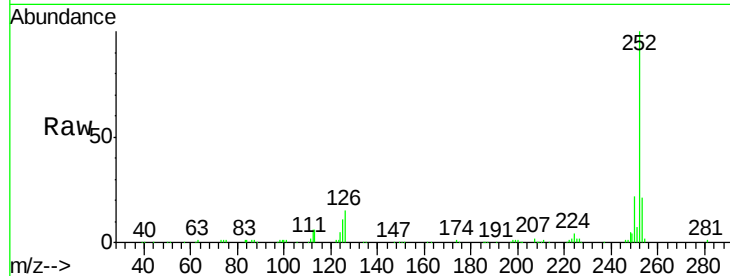
#89
Benzo(k)fluoranthene
Concen: 5.793 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.2	25.8
125	11.1	7.4	11.0

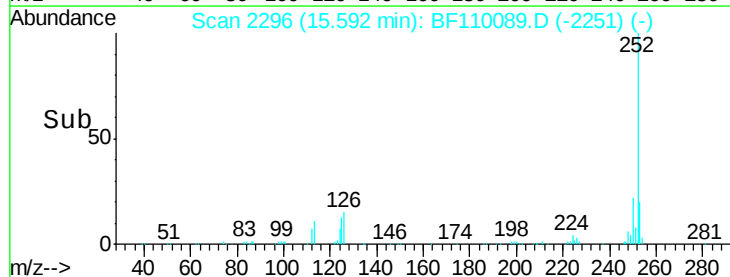
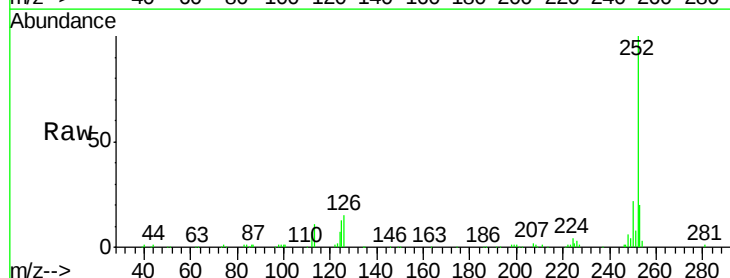
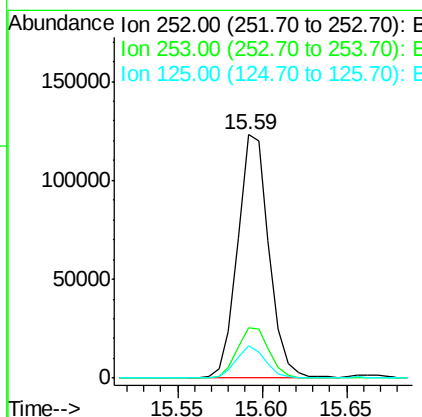
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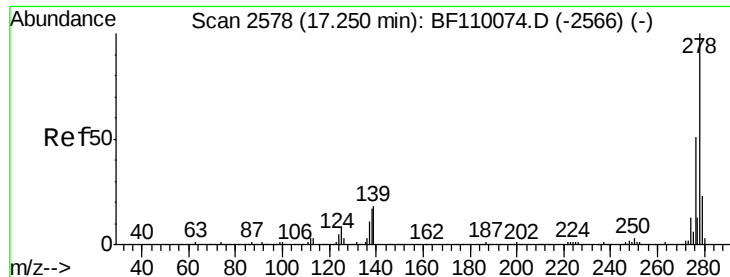
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#90
Benzo(a)pyrene
Concen: 5.757 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.04 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.2	27.4
125	13.1	9.0	13.6





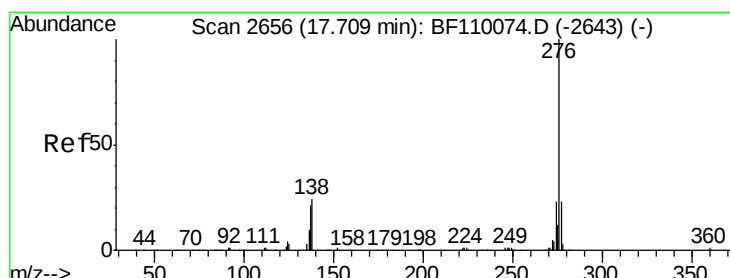
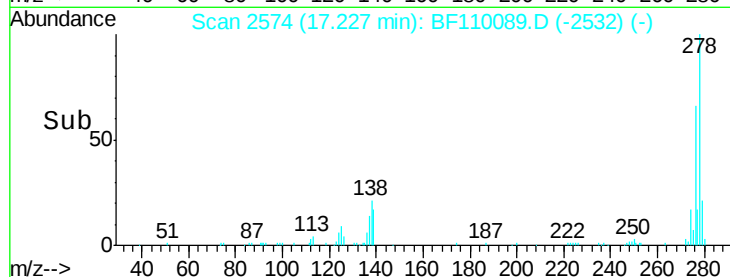
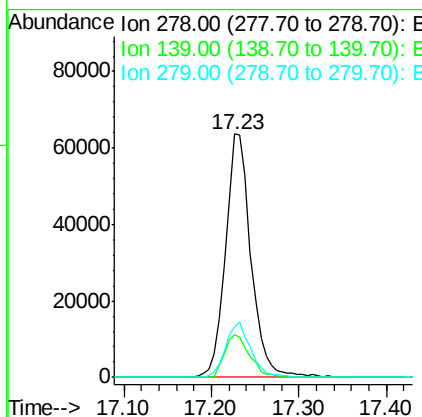
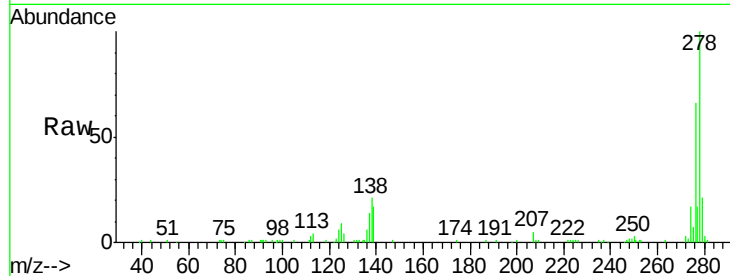
#91
Dibenzo(a,h)anthracene
Concen: 5.342 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.05 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	12.7	19.1
279	20.9	19.0	28.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.038 ng
RT: 17.69 min Scan# 2652
Delta R.T. -0.05 min
Lab File: BF110089.D
Acq: 23 Oct 2018 20:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.8	28.2
138	23.1	16.0	24.0

