

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
 Data File : BF120609.D
 Acq On : 12 Jun 2020 9:40
 Operator : JU/CG
 Sample : L1161-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Manual Integrations
 APPROVED

mohammad
 6/15/2020 8:46:47 AM

Quant Time: Jun 12 10:58:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	148360	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	549044	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285602	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	551306	20.00	ng	0.00
76) Chrysene-d12	13.95	240	449943	20.00	ng	-0.01
86) Perylene-d12	15.39	264	508558	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1263954	146.06	ng	0.00
7) Phenol-d6	6.43	99	1599320	148.39	ng	0.00
23) Nitrobenzene-d5	7.36	82	994198	101.22	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	492360	148.28	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1787163	95.74	ng	0.00
79) Terphenyl-d14	12.90	244	2062912	101.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.47	88	30797	7.509	ng	97
3) Pyridine	3.27	79	62931	5.458	ng	98
4) n-Nitrosodimethylamine	3.15	42	33794	7.063	ng	94
6) Aniline	6.46	93	114519	8.302	ng	97
8) 2-Chlorophenol	6.58	128	74998	7.670	ng	92
9) Benzaldehyde	6.35	77	64855	9.514	ng	95
10) Phenol	6.45	94	96649	8.405	ng	93
11) bis(2-Chloroethyl)ether	6.53	93	73383	7.661	ng	97
12) 1,3-Dichlorobenzene	6.74	146	81910	7.879	ng	99
13) 1,4-Dichlorobenzene	6.82	146	84229	8.212	ng	97
14) 1,2-Dichlorobenzene	6.97	146	77827	7.789	ng	98
15) Benzyl Alcohol	6.93	79	72554	9.492	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	108118	7.839	ng	98
17) 2-Methylphenol	7.05	107	62101	7.446	ng	98
18) Hexachloroethane	7.31	117	29405	7.780	ng	94
19) n-Nitroso-di-n-propylamine	7.20	70	52543	8.404	ng	96
20) 3+4-Methylphenols	7.20	107	77869	7.472	ng	# 68
22) Acetophenone	7.20	105	110625	9.012	ng	# 97
24) Nitrobenzene	7.38	77	82242	8.001	ng	98
25) Isophorone	7.62	82	143455	7.497	ng	98
26) 2-Nitrophenol	7.69	139	36133	6.645	ng	99
27) 2,4-Dimethylphenol	7.73	122	55780	6.967	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	91789	8.276	ng	98
29) 2,4-Dichlorophenol	7.93	162	60708	7.459	ng	99
30) 1,2,4-Trichlorobenzene	8.02	180	70140	7.776	ng	96
31) Naphthalene	8.10	128	227214	8.428	ng	99
32) Benzoic acid	7.80	122	20100m	3.272	ng	
33) 4-Chloroaniline	8.15	127	92517	7.476	ng	99
34) Hexachlorobutadiene	8.22	225	40201	7.646	ng	99
35) Caprolactam	8.48	113	19759	7.591	ng	# 85
36) 4-Chloro-3-methylphenol	8.63	107	62067	7.633	ng	99
37) 2-Methylnaphthalene	8.79	142	152228	8.650	ng	99
38) 1-Methylnaphthalene	8.89	142	142734	8.619	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	72457	8.497	ng	98

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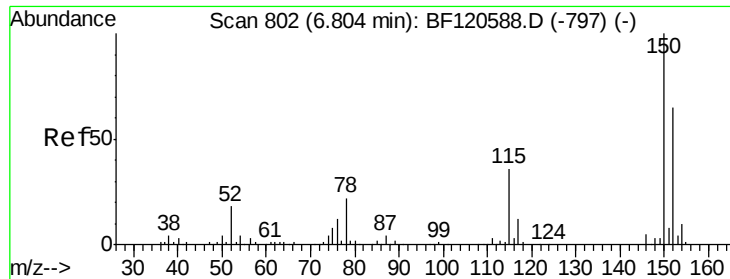
Manual Integrations
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 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	27655	5.787	nq	99
43) 2,4,6-Trichlorophenol	9.07	196	43043	7.115	nq	100
44) 2,4,5-Trichlorophenol	9.11	196	46853	6.827	nq	98
46) 1,1'-Biphenyl	9.26	154	193982	9.096	nq	98
47) 2-Chloronaphthalene	9.28	162	141182	8.096	nq	98
48) 2-Nitroaniline	9.37	65	39792	7.265	nq	85
49) Acenaphthylene	9.69	152	226212	8.405	nq	98
50) Dimethylphthalate	9.55	163	160376	7.797	nq	98
51) 2,6-Dinitrotoluene	9.61	165	33215	7.125	nq	91
52) Acenaphthene	9.86	154	137677	8.577	nq	99
53) 3-Nitroaniline	9.78	138	37388	6.678	nq	99
54) 2,4-Dinitrophenol	9.89	184	8743	3.499	nq	# 83
55) Dibenzofuran	10.03	168	207643	8.437	nq	97
56) 4-Nitrophenol	9.94	139	24934	5.913	nq	95
57) 2,4-Dinitrotoluene	10.02	165	42591	6.886	nq	97
58) Fluorene	10.38	166	156751	8.262	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	36415	6.744	nq	96
60) Diethylphthalate	10.25	149	162194	8.006	nq	99
61) 4-Chlorophenyl-phenylether	10.37	204	80540	8.220	nq	90
62) 4-Nitroaniline	10.39	138	37285	6.708	nq	99
63) Azobenzene	10.53	77	156609	8.516	nq	98
65) 4,6-Dinitro-2-methylphenol	10.42	198	16665	5.038	nq	93
66) n-Nitrosodiphenylamine	10.49	169	141257	8.344	nq	98
67) 4-Bromophenyl-phenylether	10.86	248	47097	7.527	nq	98
68) Hexachlorobenzene	10.93	284	54112	8.044	nq	98
69) Atrazine	11.01	200	44415	8.478	nq	99
70) Pentachlorophenol	11.12	266	18207	4.868	nq	100
71) Phenanthrene	11.34	178	234867	8.570	nq	98
72) Anthracene	11.39	178	237449	8.596	nq	99
73) Carbazole	11.54	167	216280	7.909	nq	100
74) Di-n-butylphthalate	11.88	149	257794	8.386	nq	98
75) Fluoranthene	12.53	202	255860	8.166	nq	97
77) Benzidine	12.65	184	133634	8.782	nq	96
78) Pyrene	12.76	202	267275	8.385	nq	98
80) Butylbenzylphthalate	13.37	149	103262	7.296	nq	99
81) Benzo(a)anthracene	13.94	228	240538	8.898	nq	98
82) 3,3'-Dichlorobenzidine	13.90	252	97280	9.421	nq	97
83) Chrysene	13.97	228	237944	8.581	nq	98
84) Bis(2-ethylhexyl)phthalate	13.93	149	150593	8.718	nq	97
85) Di-n-octyl phthalate	14.54	149	259029	7.857	nq	98
87) Indeno(1,2,3-cd)pyrene	16.80	276	264196	8.540	nq	98
88) Benzo(b)fluoranthene	14.97	252	227878	7.522	nq	98
89) Benzo(k)fluoranthene	15.00	252	230004	8.580	nq	97
90) Benzo(a)pyrene	15.33	252	203664	7.512	nq	99
91) Dibenzo(a,h)anthracene	16.82	278	219001	8.828	nq	98
92) Benzo(g,h,i)perylene	17.23	276	220480	8.818	nq	98

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



#1

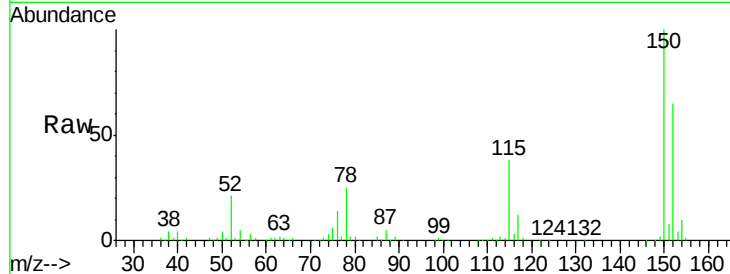
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	123.2	184.8
115	58.3	43.9	65.9

Manual Integrations
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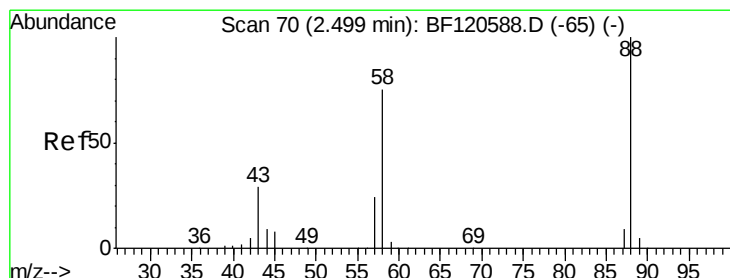
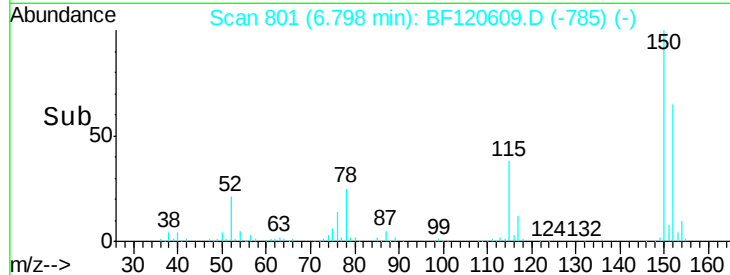
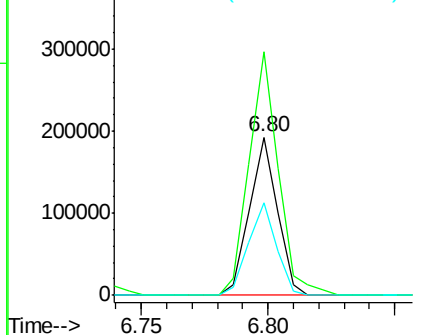


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

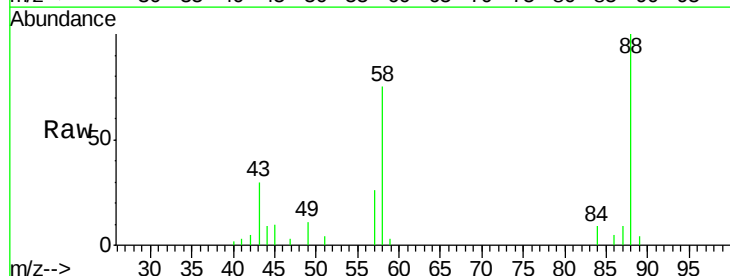
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 7.509 ng
RT: 2.47 min Scan# 65
Delta R.T. -0.04 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.5	59.6	89.4
43	28.4	23.1	34.7

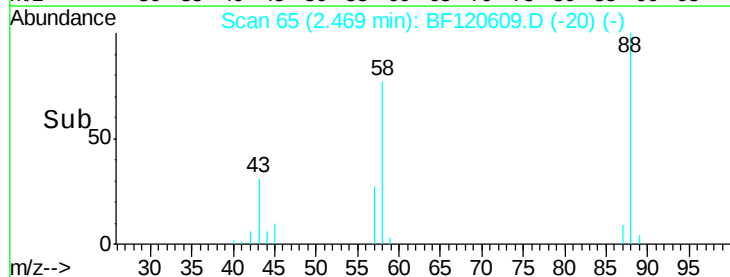
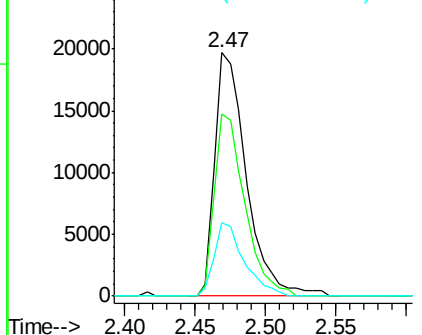


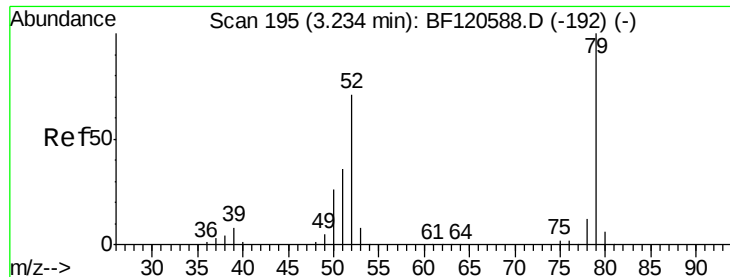
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





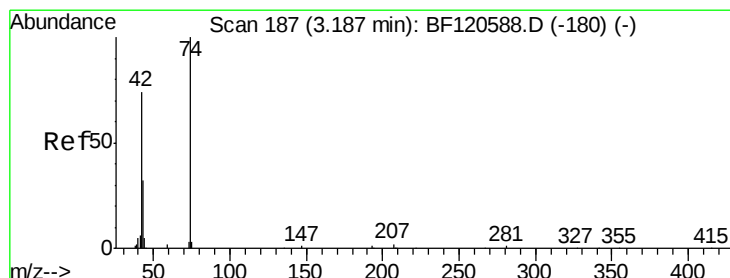
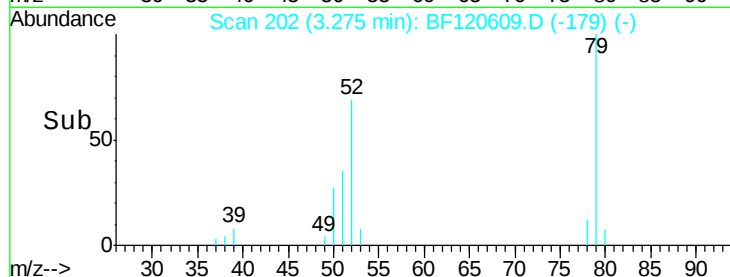
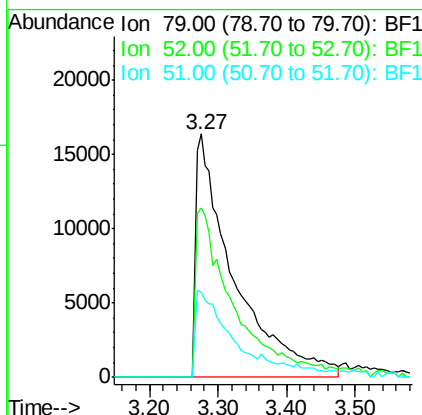
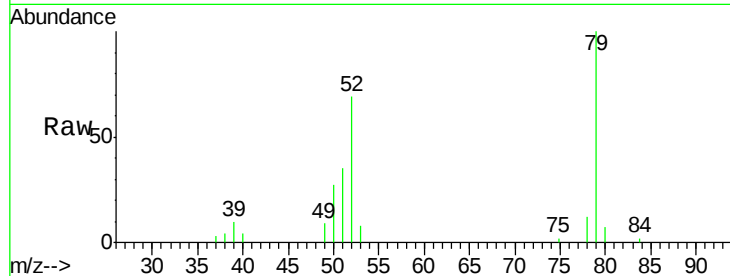
#3
 Pvridine
 Concen: 5.458 ng
 RT: 3.27 min Scan# 202
 Delta R.T. 0.04 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
79	100		
52	69.3	57.0	85.6
51	35.1	28.5	42.7

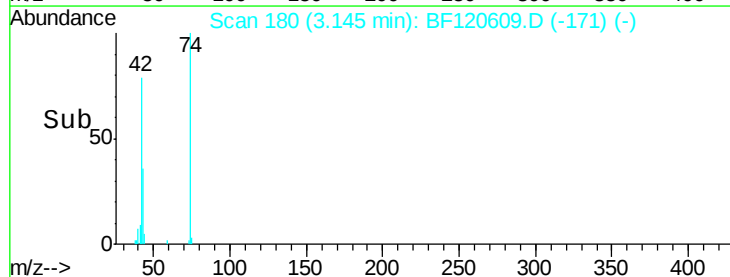
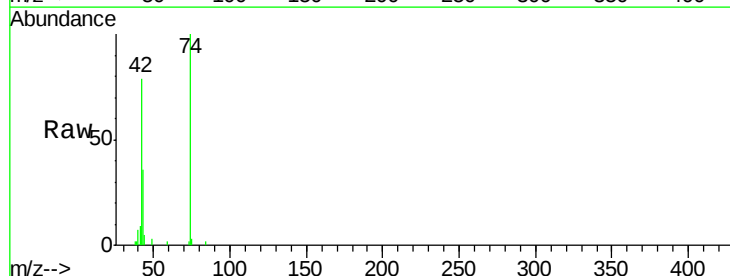
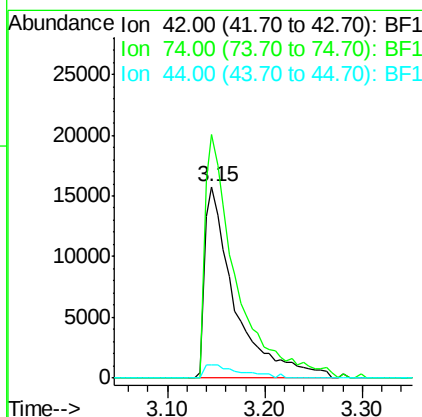
Manual Integrations
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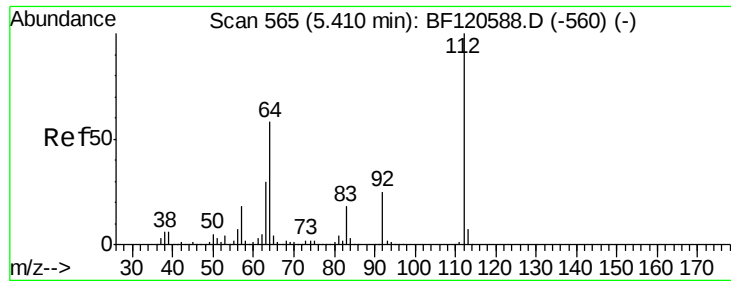
mohammad
 6/15/2020 8:46:47 AM



#4
 n-Nitrosodimethylamine
 Concen: 7.063 ng
 RT: 3.15 min Scan# 180
 Delta R.T. -0.05 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
42	100		
74	127.2	107.8	161.6
44	7.0	5.1	7.7





#5

2-Fluorophenol

Concen: 146.063 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

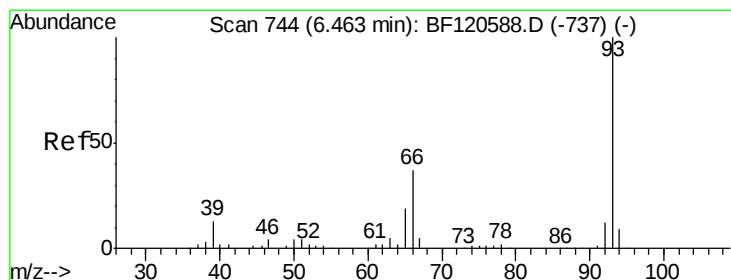
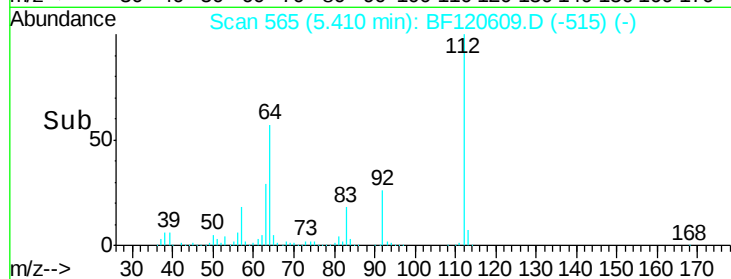
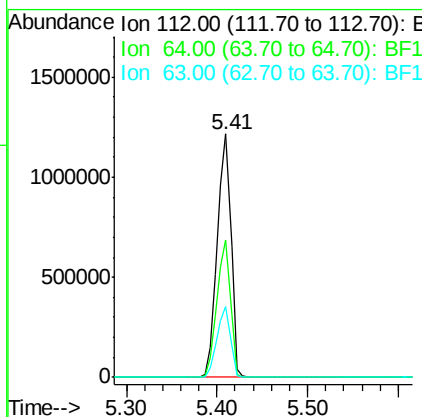
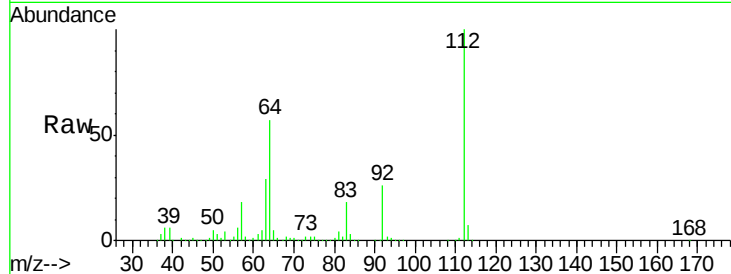
ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:	112	Resp:	1263954
Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.1	69.1
63	29.1	23.7	35.5

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#6

Aniline

Concen: 8.302 ng

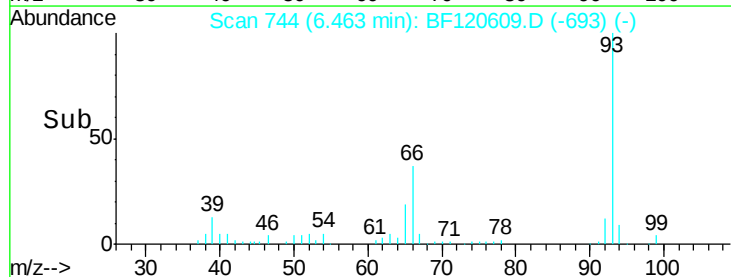
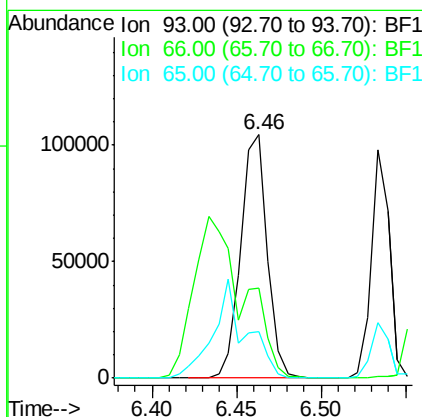
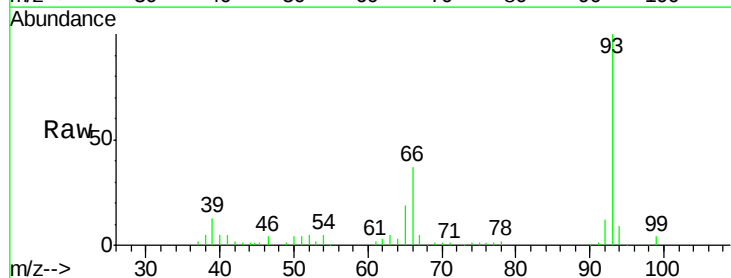
RT: 6.46 min Scan# 744

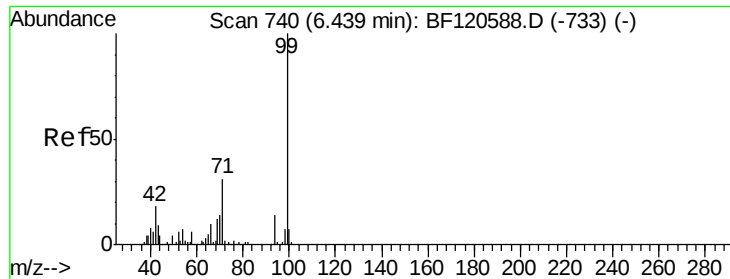
Delta R.T. 0.00 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:	93	Resp:	114519
Ion	Ratio	Lower	Upper
93	100		
66	36.9	30.9	46.3
65	19.0	15.9	23.9





#7

Phenol-d6

Concen: 148.389 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion: 99 Resp: 1599320

Ion Ratio Lower Upper

99 100

42 18.8 14.0 21.0

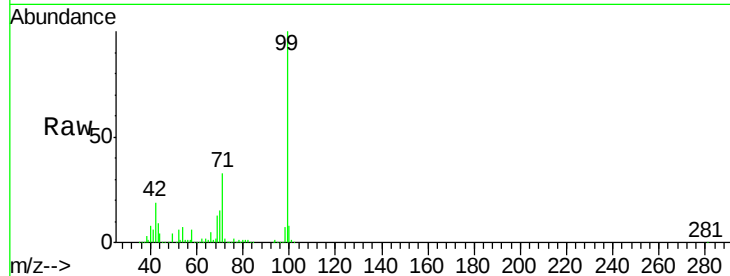
71 32.7 24.9 37.3

Manual Integrations

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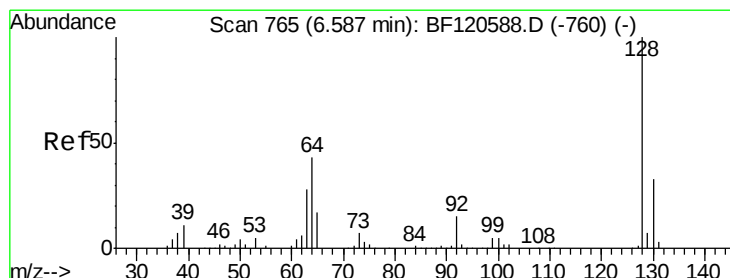
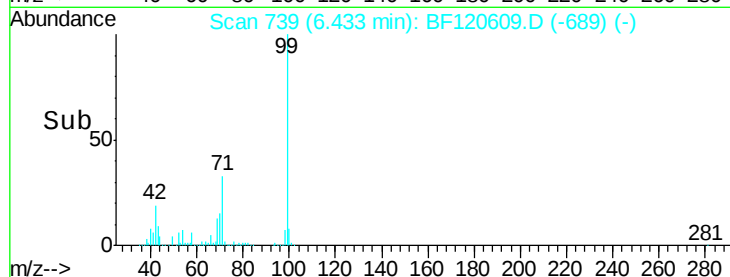
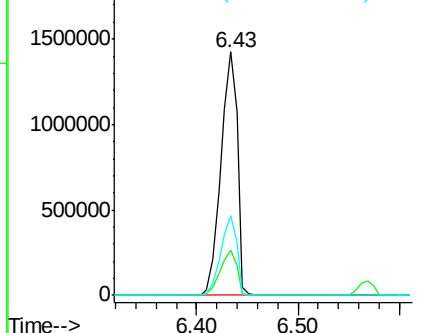
6/15/2020 8:46:47 AM



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: 7.670 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

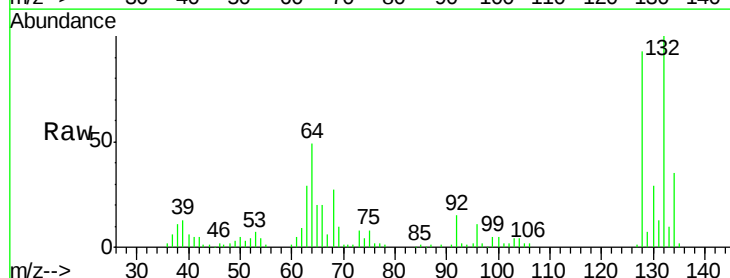
Tgt Ion: 128 Resp: 74998

Ion Ratio Lower Upper

128 100

130 31.7 12.6 52.6

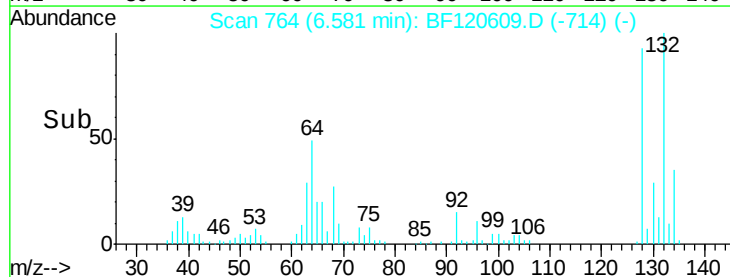
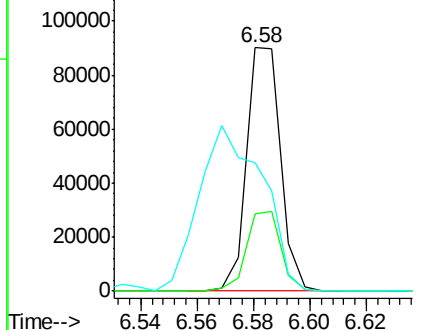
64 52.8 24.3 64.3

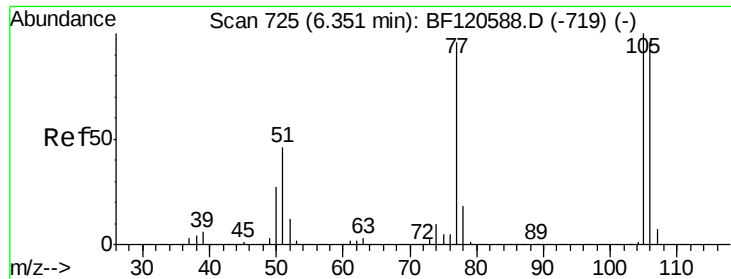


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





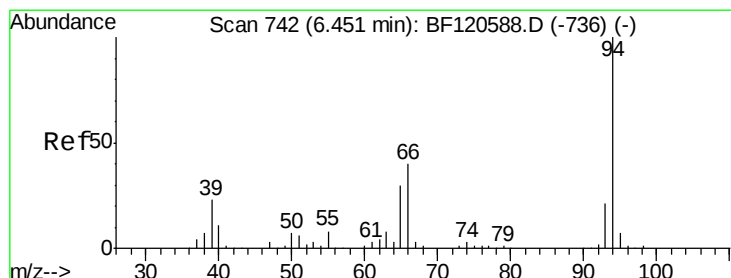
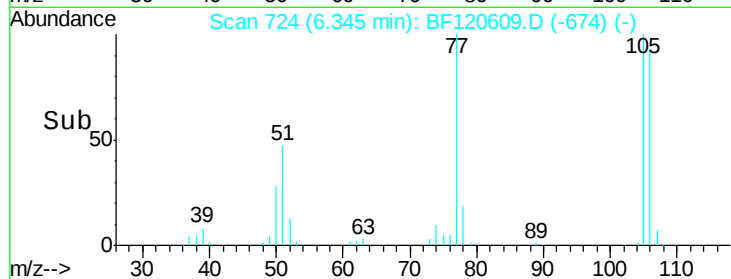
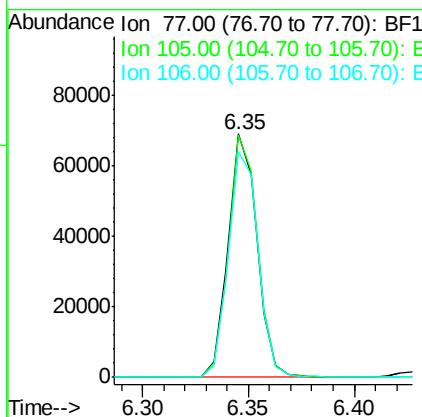
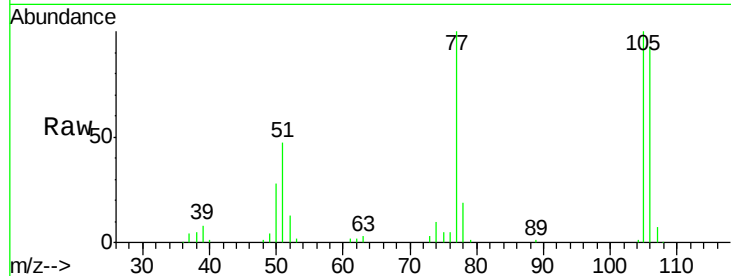
#9
Benzaldehyde
Concen: 9.514 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
77	100		
105	99.6	83.8	123.8
106	92.6	79.3	119.3

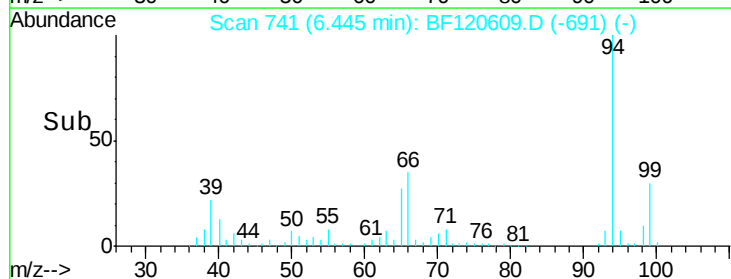
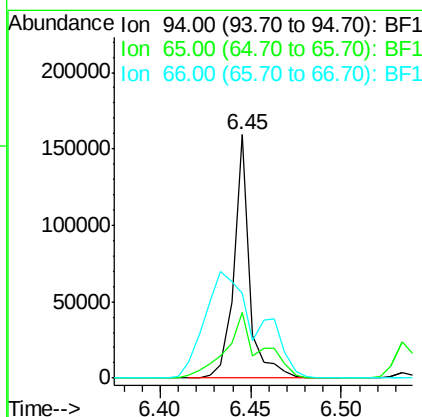
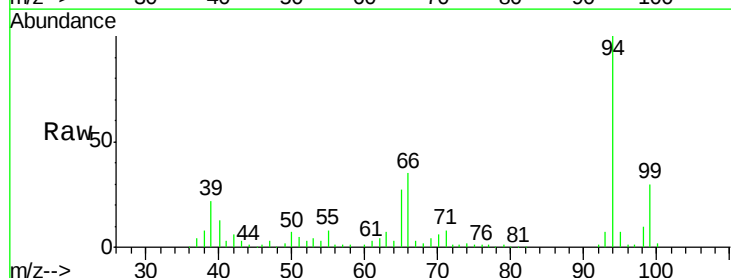
Manual Integrations
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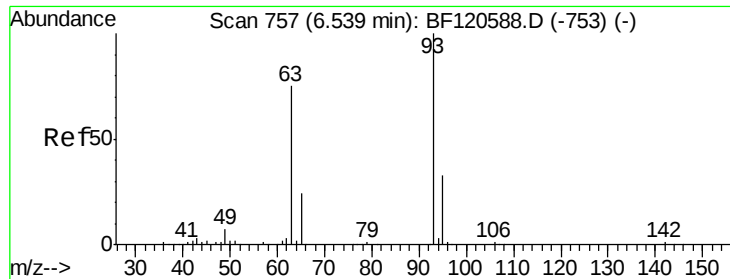
mohammad
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#10
Phenol
Concen: 8.405 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
94	100		
65	26.8	9.9	49.9
66	34.9	20.1	60.1





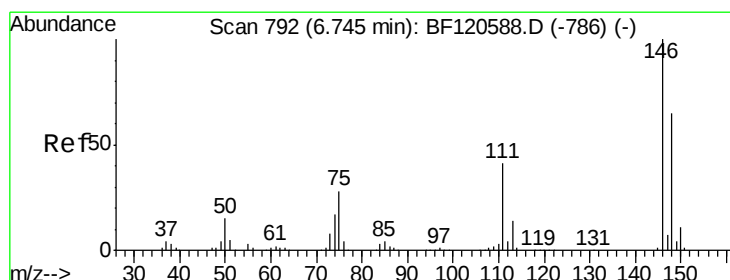
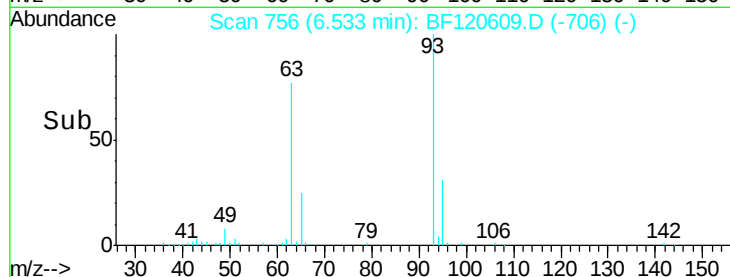
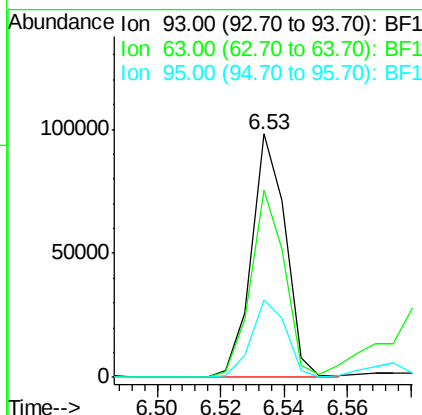
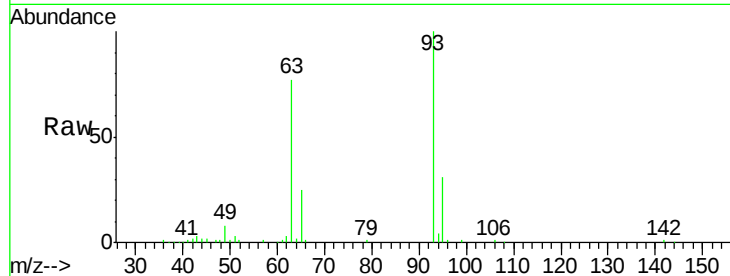
#11
bis(2-Chloroethyl)ether
Concen: 7.661 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	77.0	54.4	94.4
95	31.5	12.9	52.9

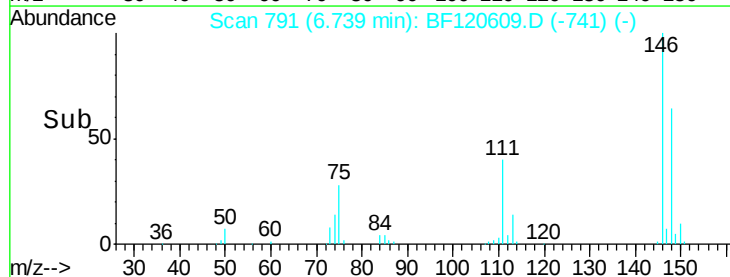
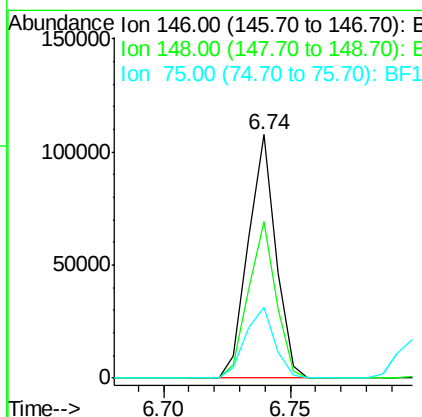
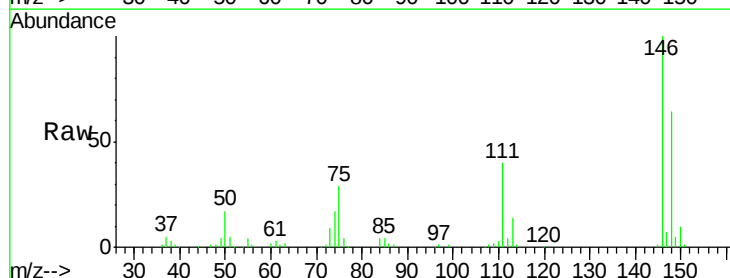
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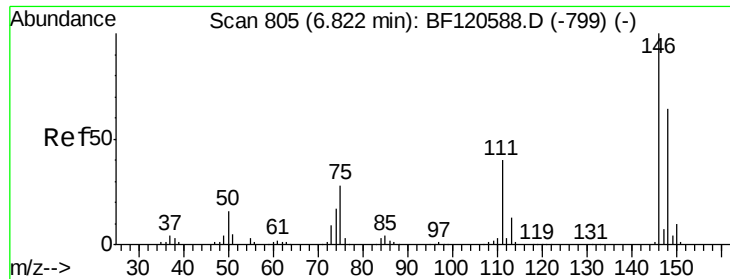
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#12
1,3-Dichlorobenzene
Concen: 7.879 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
75	29.1	22.2	33.4





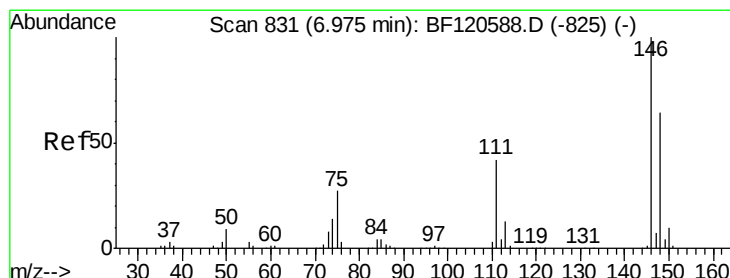
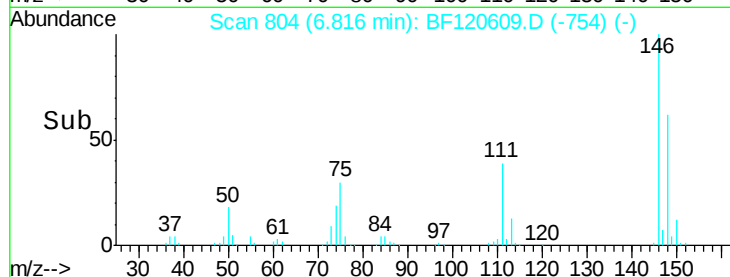
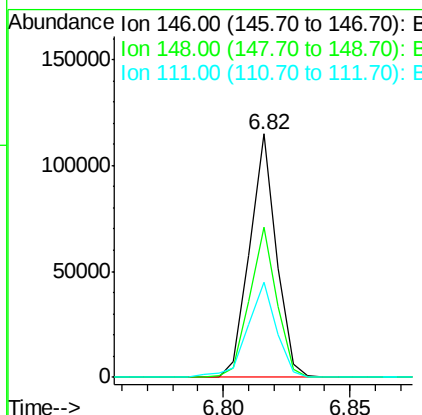
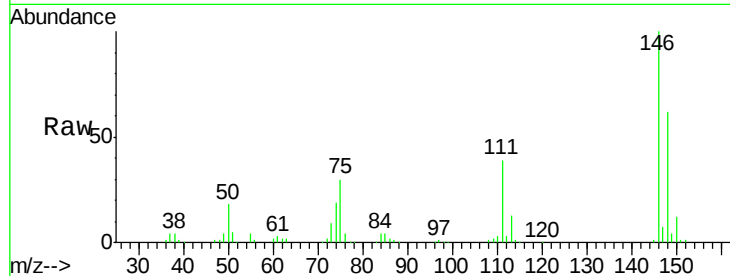
#13
1,4-Dichlorobenzene
Concen: 8.212 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.5	51.5	77.3
111	39.3	32.2	48.4

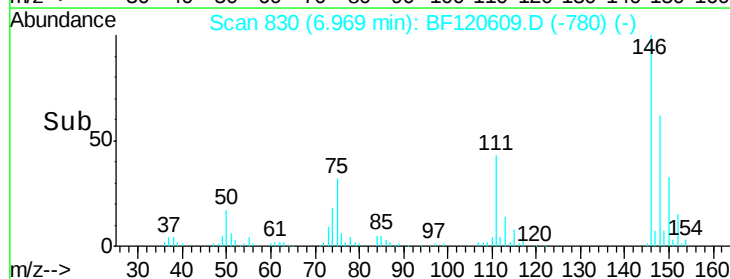
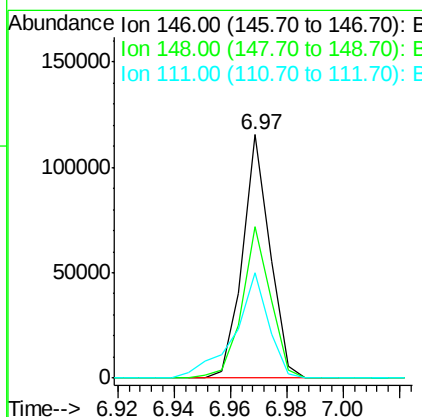
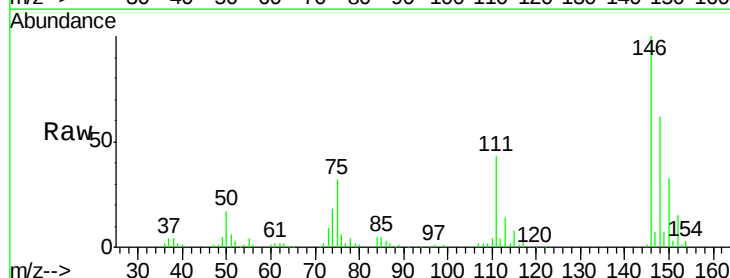
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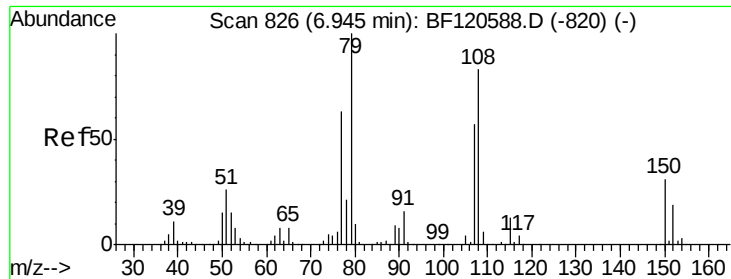
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#14
1,2-Dichlorobenzene
Concen: 7.789 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.8	76.2
111	43.1	33.6	50.4





#15

Benzyl Alcohol

Concen: 9.492 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

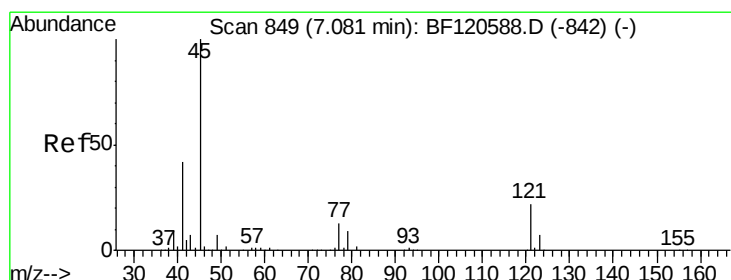
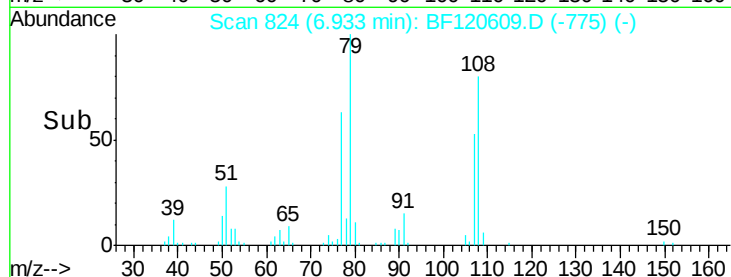
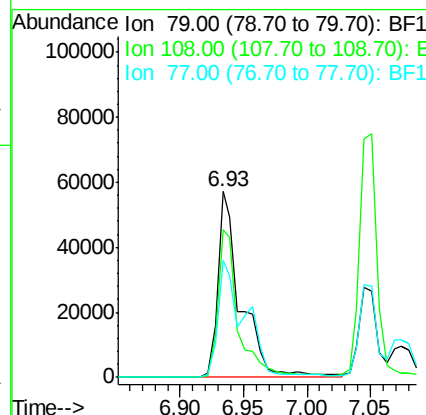
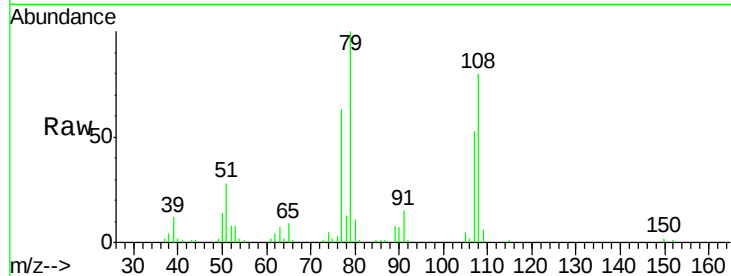
ClientSampleID :

MDL-SOIL-03-QT1-2020

Tot Ion:	79	Resp:	72554
Ion Ratio	Lower	Upper	
79	100		
108	79.5	66.8	100.2
77	63.0	50.6	76.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.839 ng

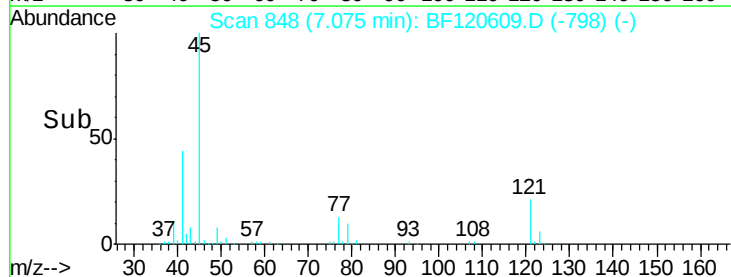
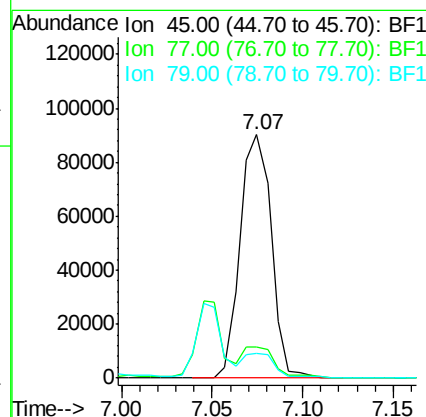
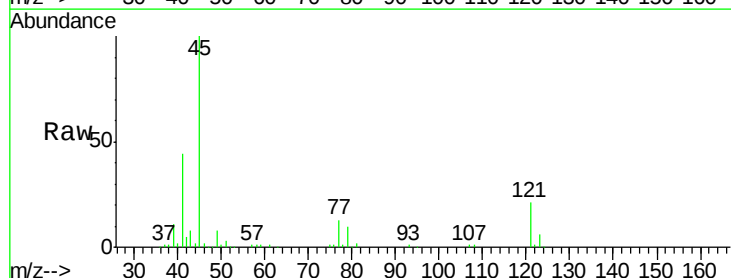
RT: 7.07 min Scan# 848

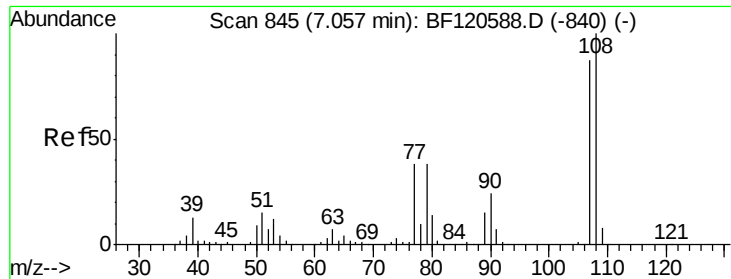
Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:	45	Resp:	108118
Ion Ratio	Lower	Upper	
45	100		
77	12.9	0.0	34.2
79	10.4	0.0	30.9





#17

2-Methylphenol

Concen: 7.446 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

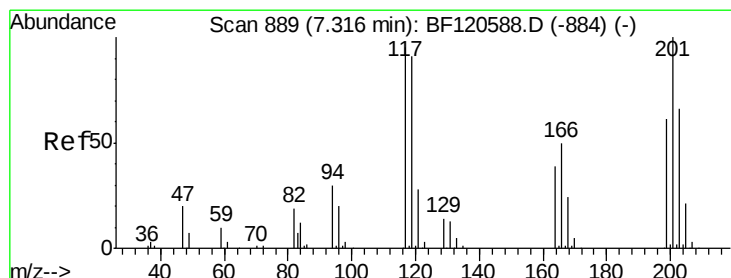
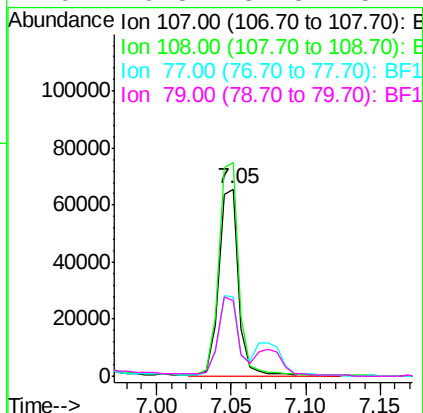
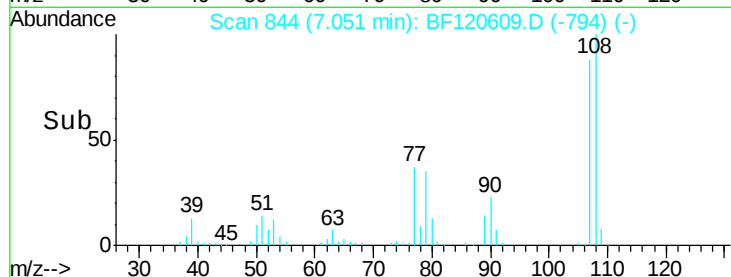
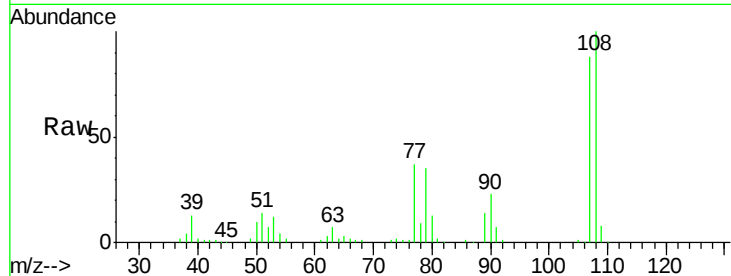
ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:	107	Resp:	62101
Ion Ratio	Lower	Upper	
107	100		
108	114.3	91.9	137.9
77	42.8	35.4	53.2
79	40.3	34.8	52.2

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#18

Hexachloroethane

Concen: 7.780 ng

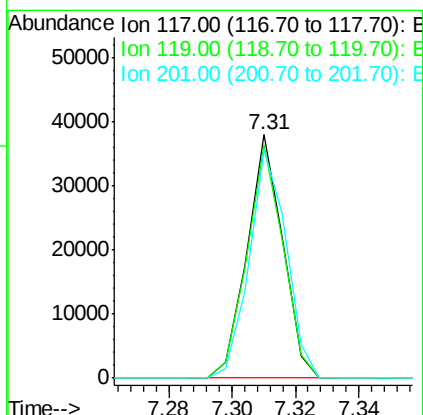
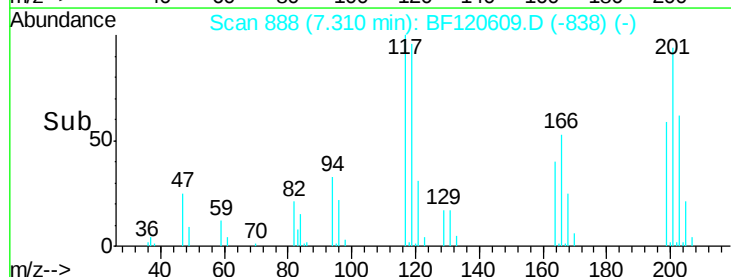
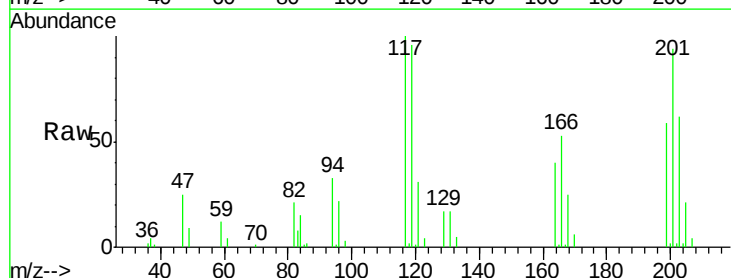
RT: 7.31 min Scan# 888

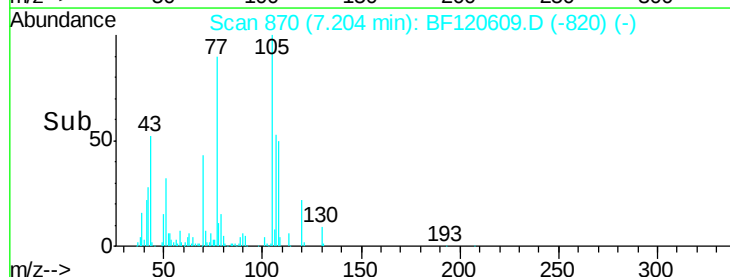
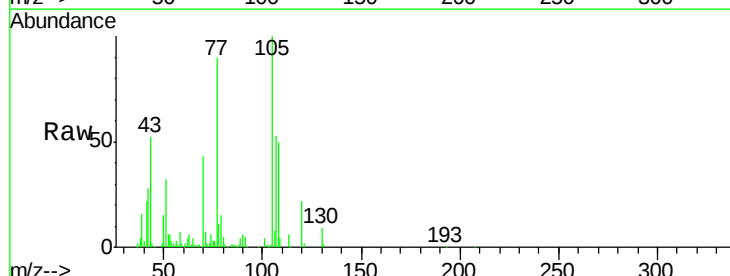
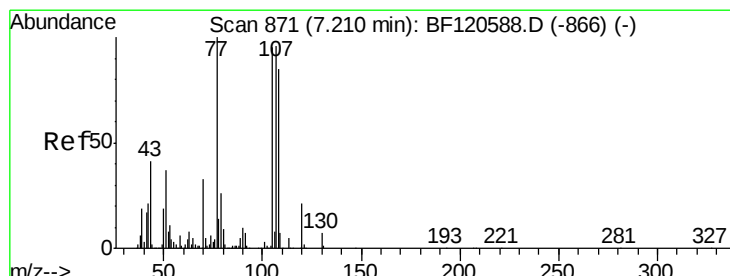
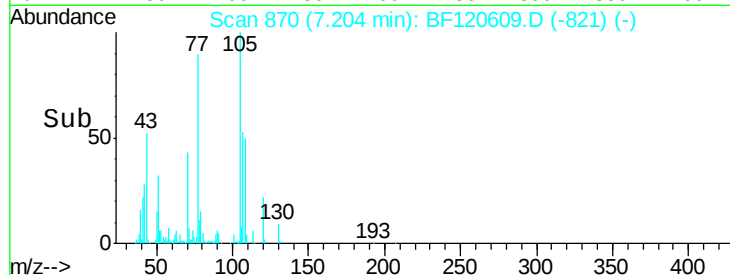
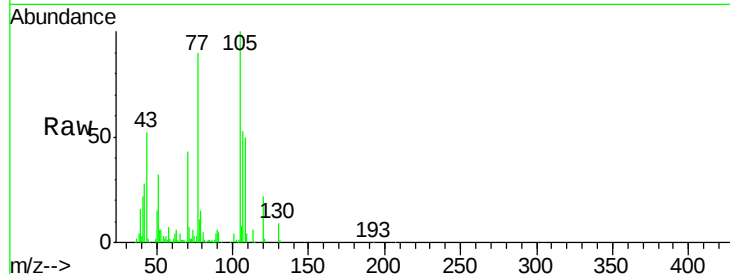
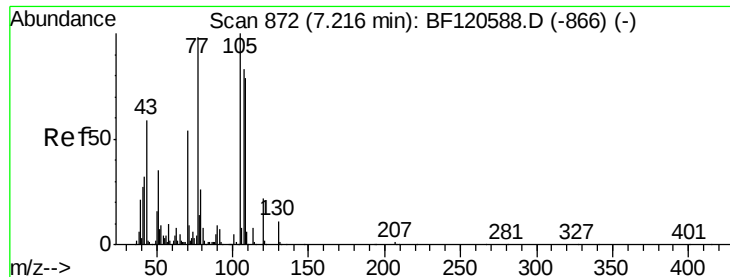
Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

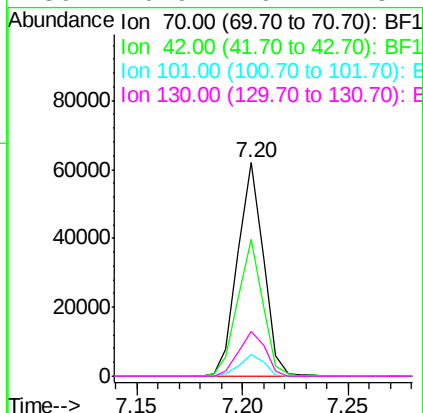
Tgt Ion:	117	Resp:	29405
Ion Ratio	Lower	Upper	
117	100		
119	95.7	76.9	115.3
201	93.6	84.6	127.0





#19
n-Nitroso-di-n-propylamine
Concen: 8.404 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tot Ion	70	Resp	52543
Ion Ratio	Lower	Upper	
70	100		
42	64.0	47.7	71.5
101	10.0	7.6	11.4
130	20.9	16.7	25.1



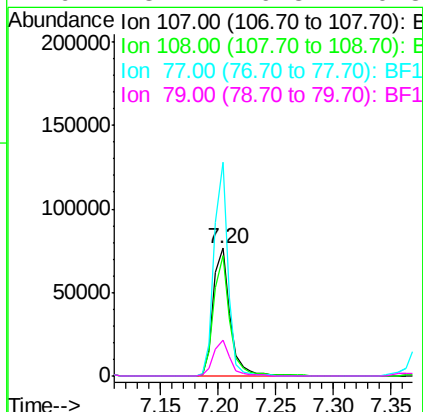
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

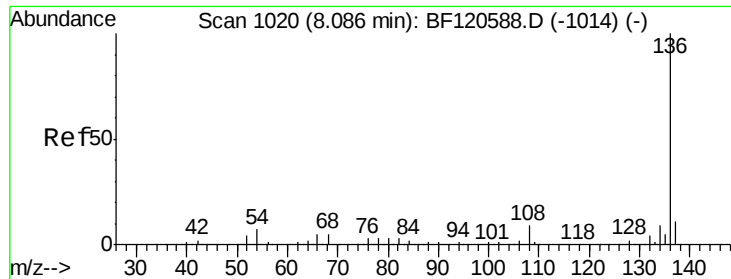
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#20
3+4-Methylphenols
Concen: 7.472 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	107	Resp	77869
Ion Ratio	Lower	Upper	
107	100		
108	94.0	68.7	108.7
77	167.6	84.2	124.2#
79	28.4	6.8	46.8





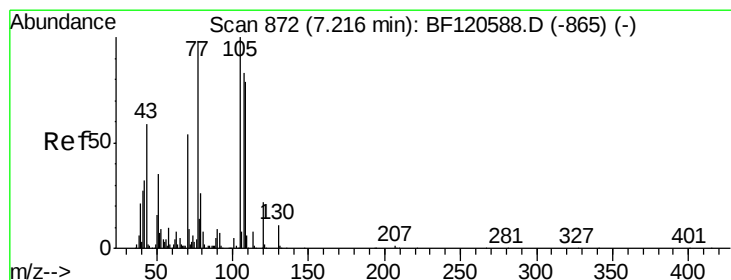
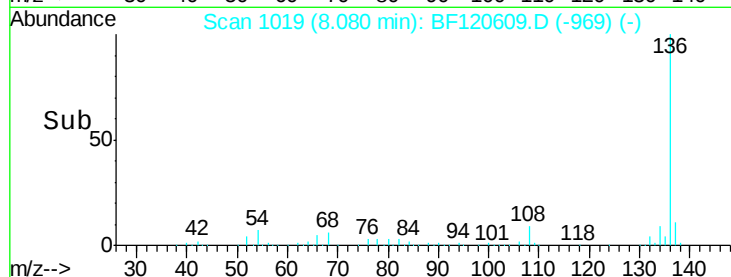
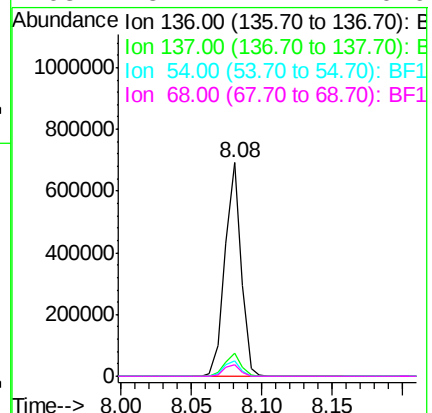
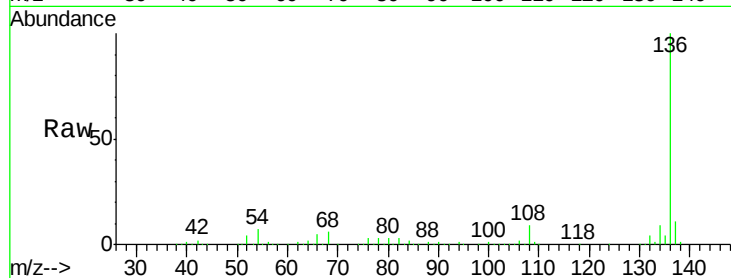
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	549044		
137	11.0		8.6	13.0
54	7.4		5.8	8.6
68	5.7		4.4	6.6

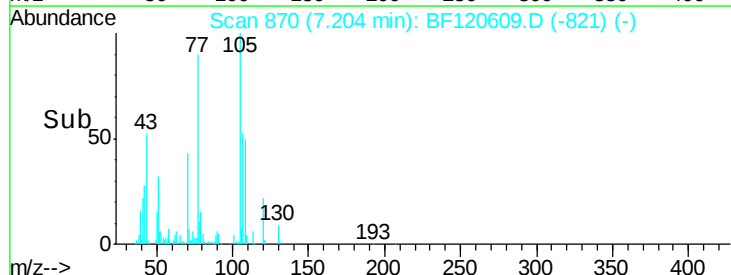
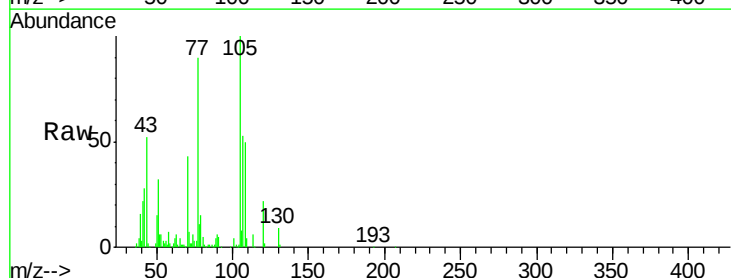
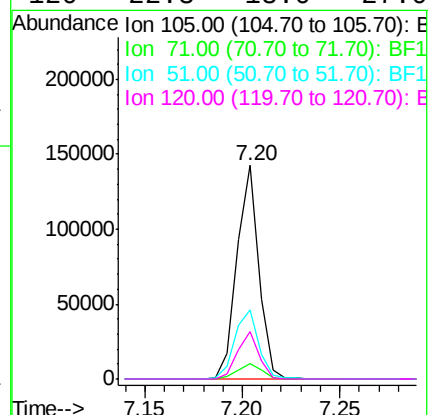
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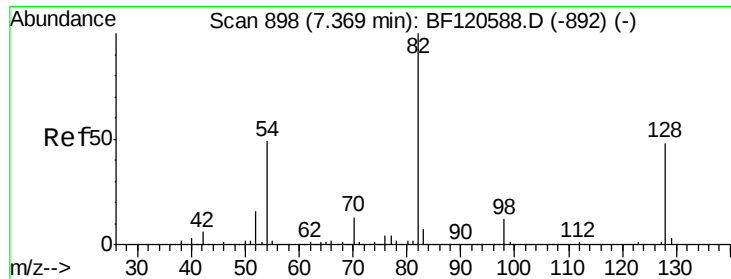
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#22
Acetophenone
Concen: 9.012 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	110625		
71	7.2		7.2	10.8#
51	32.3		27.8	41.8
120	22.3		18.0	27.0





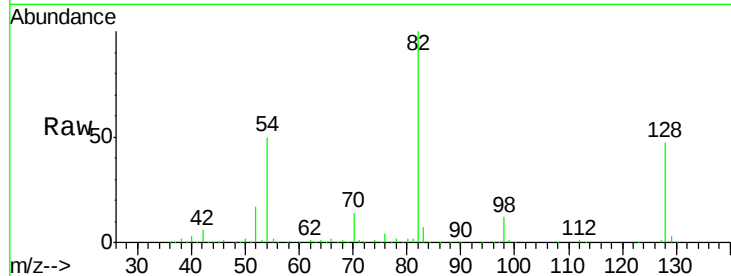
#23
Nitrobenzene-d5
Concen: 101.217 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

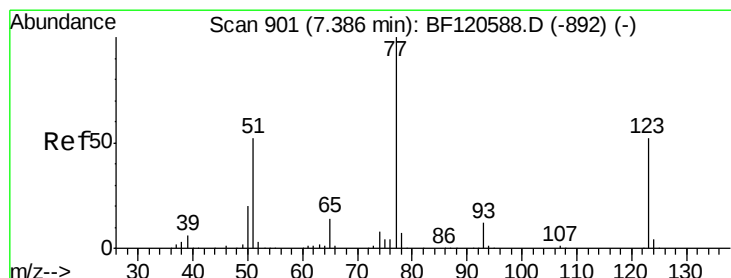
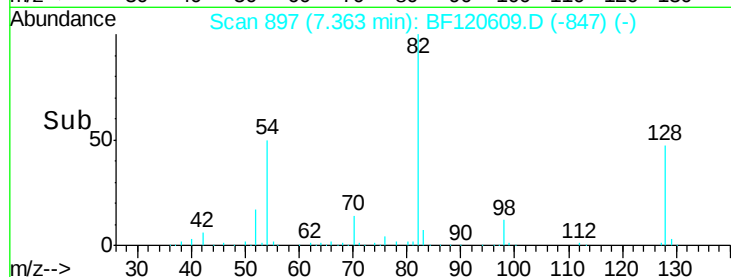
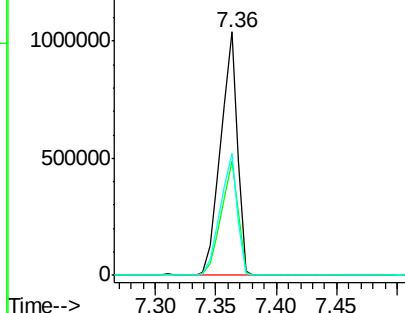
Tot Ion	Ratio	Resp	Lower	Upper
82	100	994198		
128	47.2	38.0	57.0	
54	50.0	38.8	58.2	

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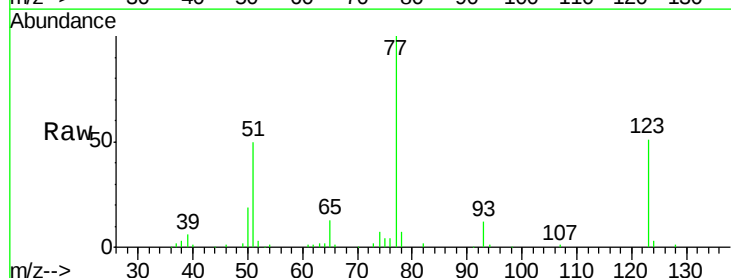


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

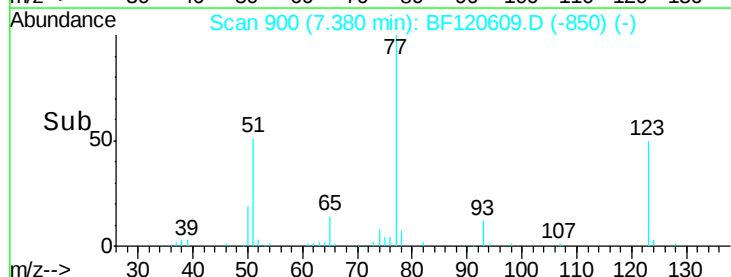
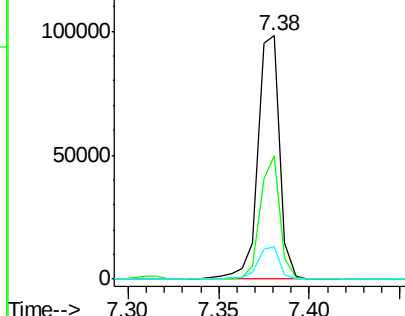


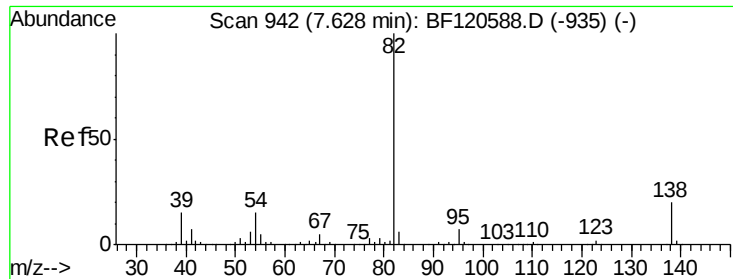
#24
Nitrobenzene
Concen: 8.001 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	82242		
123	50.5	41.4	62.0	
65	13.2	11.0	16.4	



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





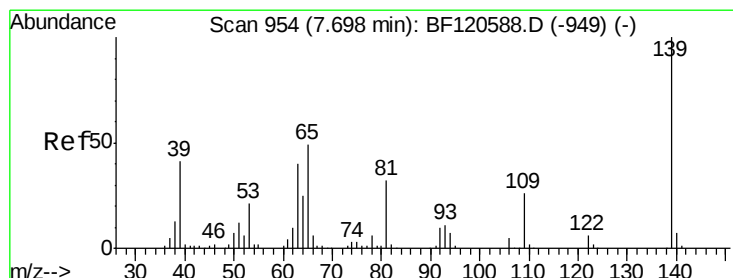
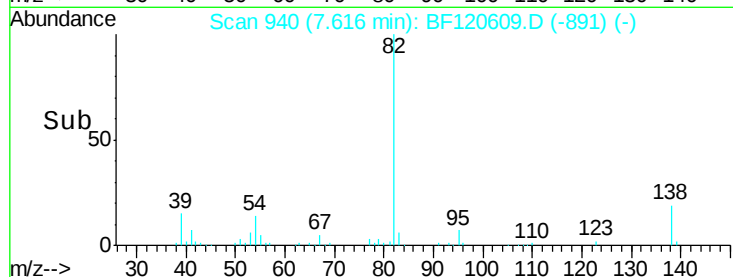
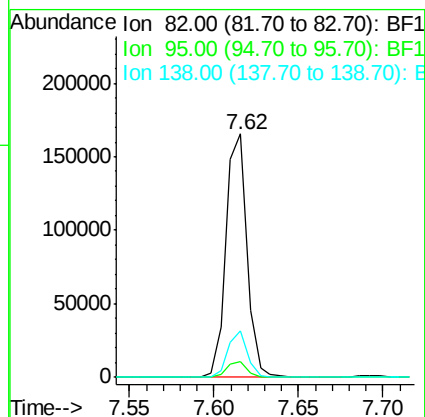
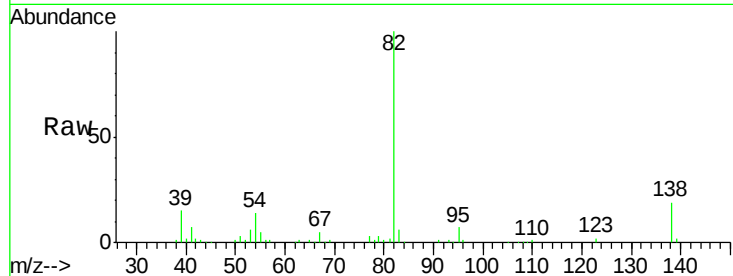
#25
Isophorone
Concen: 7.497 ng
RT: 7.62 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.5	5.7	8.5	
138	19.1	16.2	24.4	

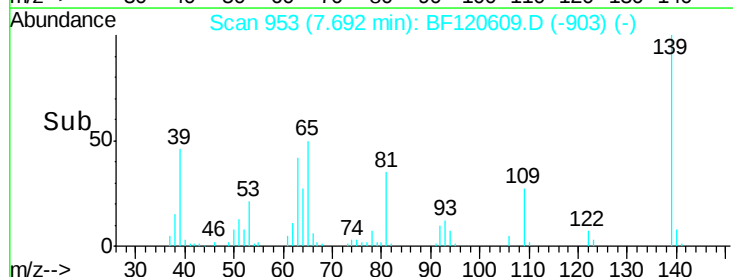
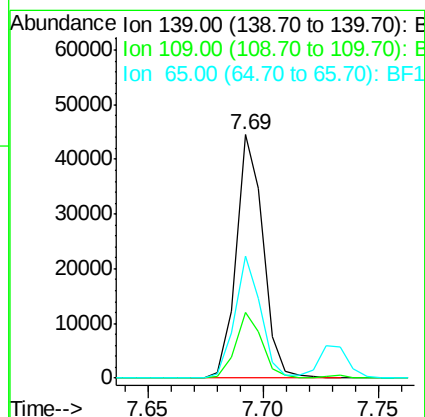
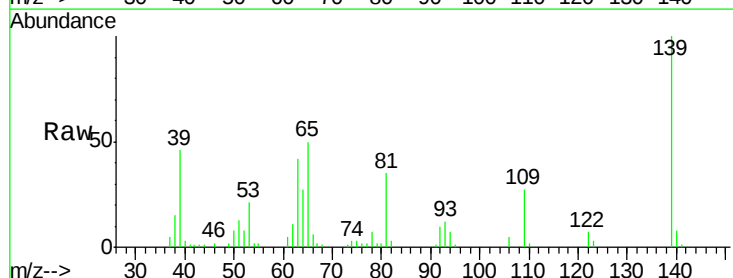
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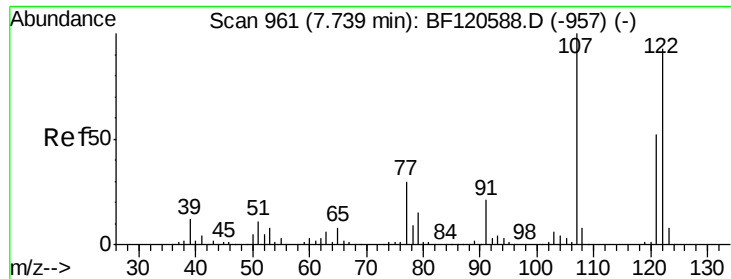
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#26
2-Nitrophenol
Concen: 6.645 ng
RT: 7.69 min Scan# 953
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	26.8	21.1	31.7	
65	50.1	39.4	59.0	





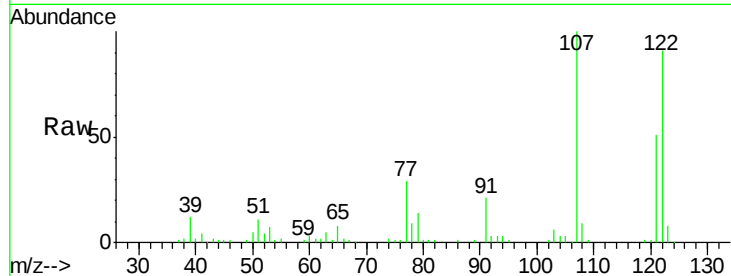
#27
2,4-Dimethylphenol
Concen: 6.967 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

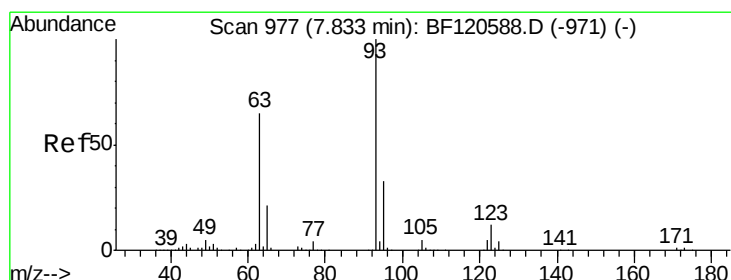
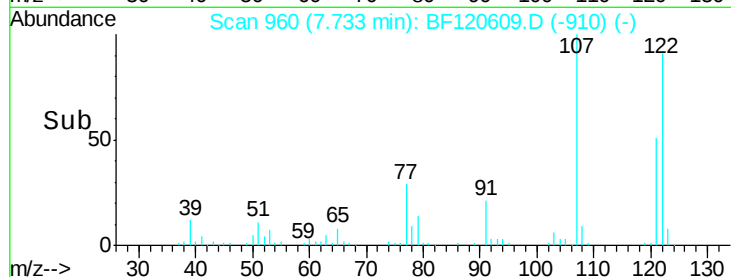
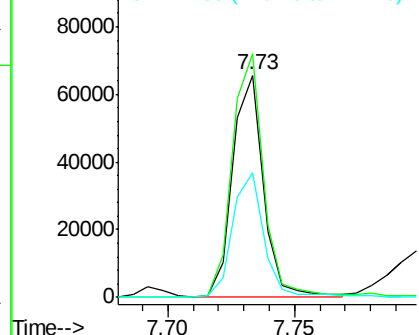
Tot Ion	Ratio	Lower	Upper
122	100		
107	109.4	86.4	129.6
121	55.9	45.2	67.8

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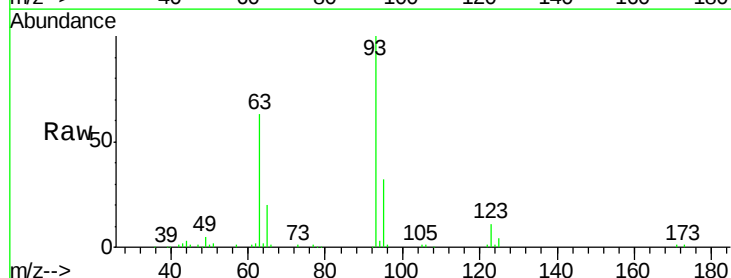


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

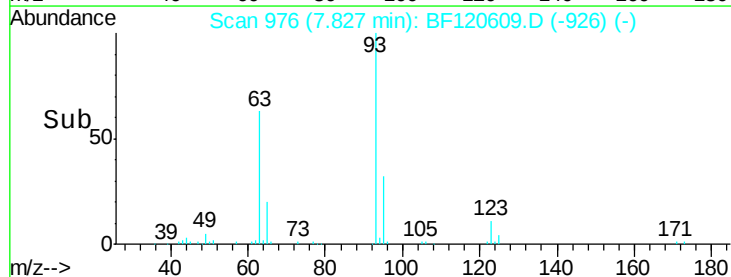
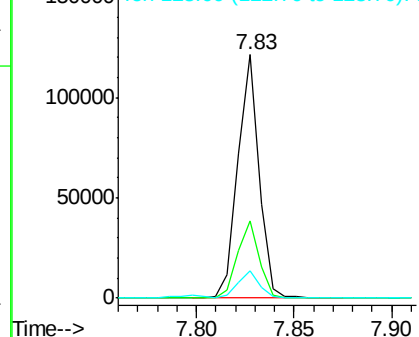


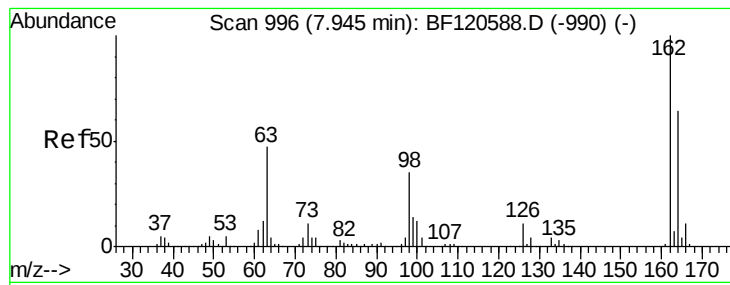
#28
bis(2-Chloroethoxy)methane
Concen: 8.276 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.2	39.4
123	11.3	9.5	14.3



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





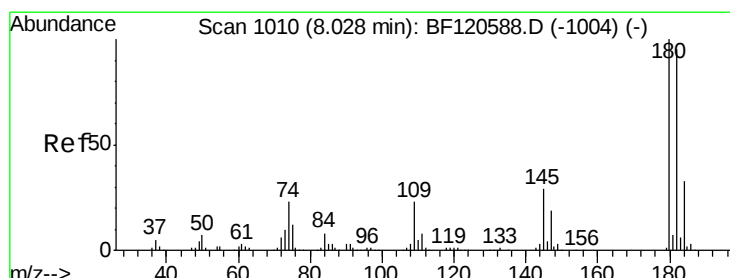
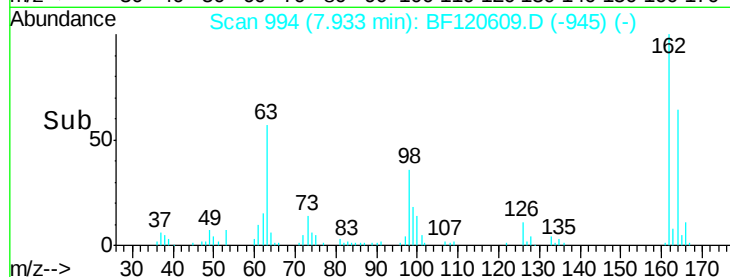
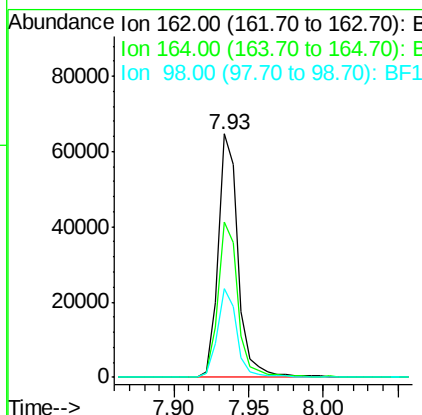
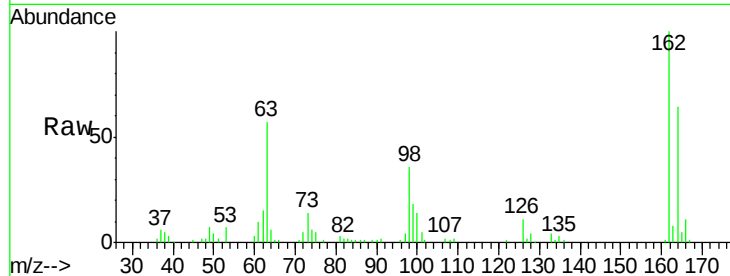
#29
 2,4-Dichlorophenol
 Concen: 7.459 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.1	84.1
98	36.4	14.7	54.7

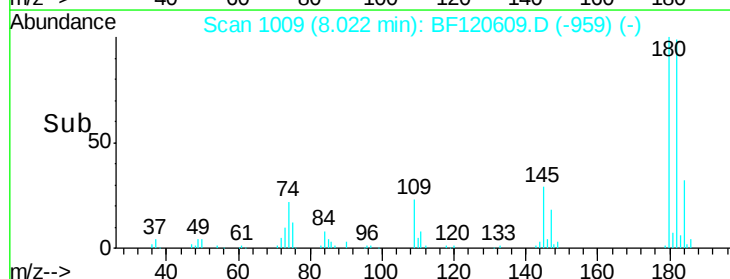
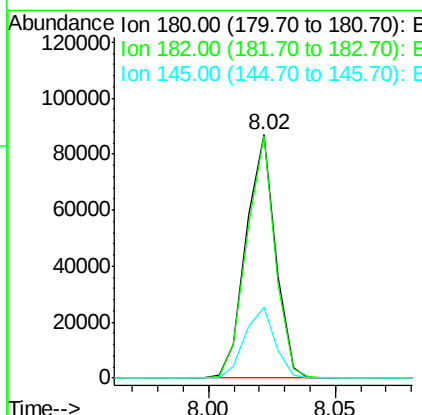
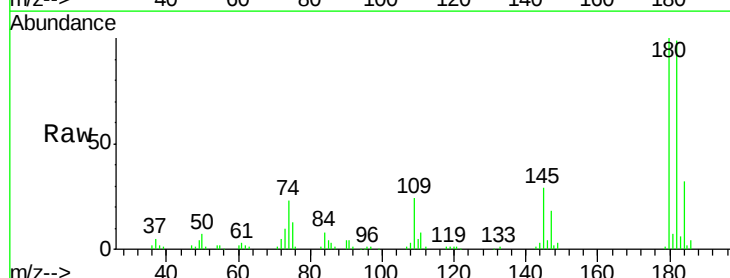
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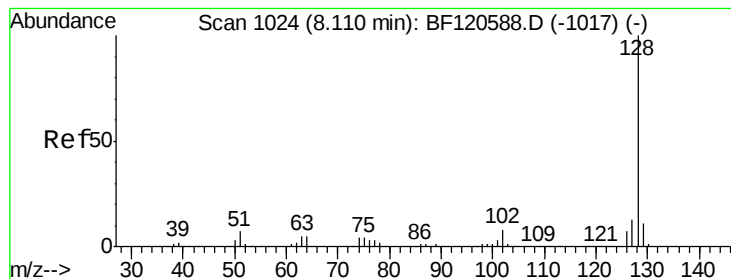
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 7.776 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	75.8	113.6
145	29.3	23.0	34.6





#31

Naphthalene

Concen: 8.428 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

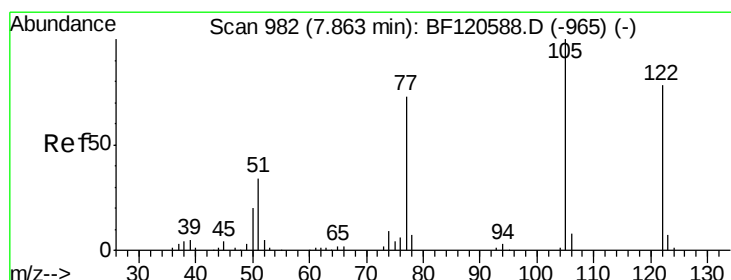
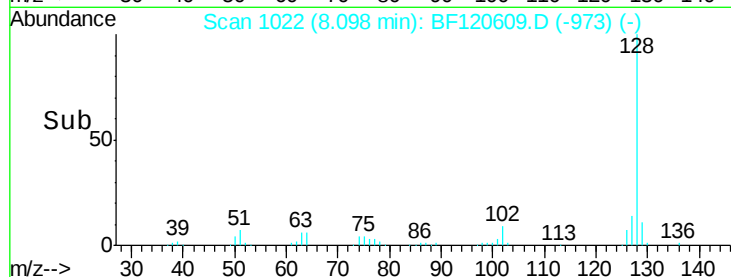
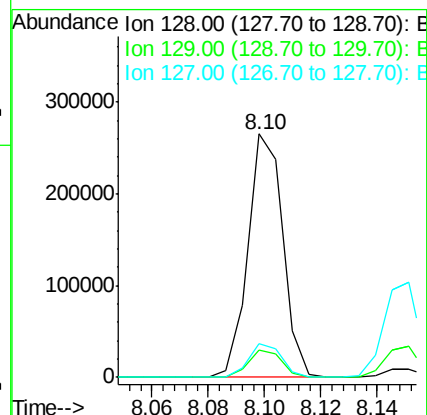
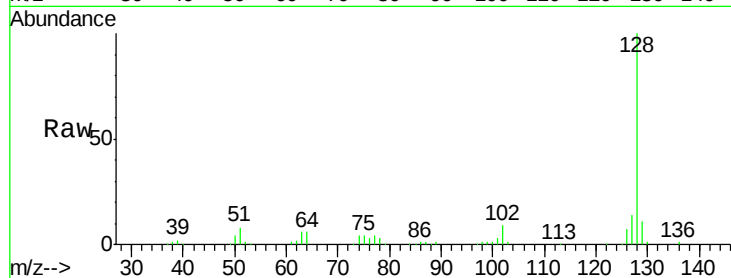
ClientSampleId :

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Tot Ion:	128	Resp:	227214
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.7	10.6	15.8

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#32

Benzoic acid

Concen: 3.272 ng m

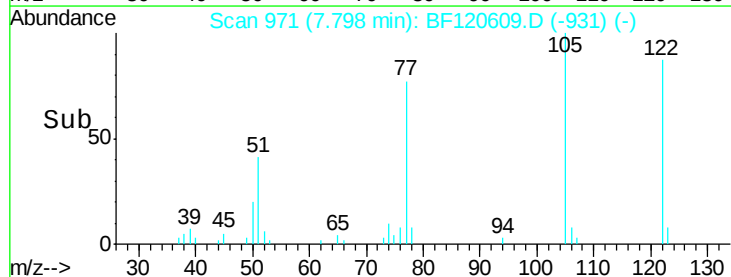
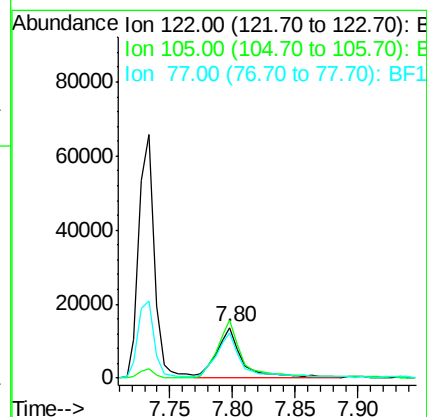
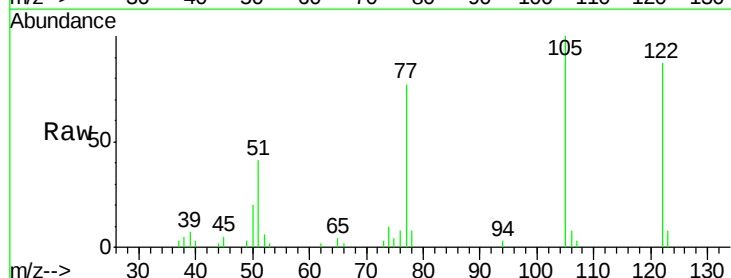
RT: 7.80 min Scan# 971

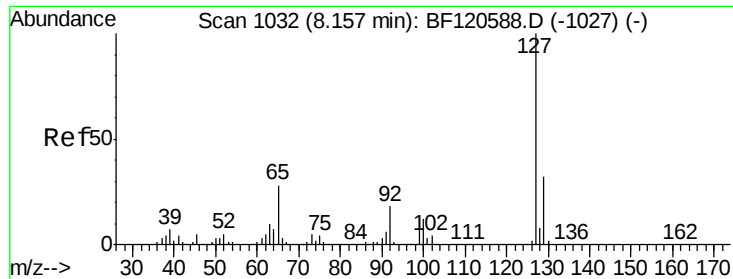
Delta R.T. -0.06 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:	122	Resp:	20100
Ion Ratio	Lower	Upper	
122	100		
105	115.5	101.0	141.0
77	88.6	69.8	109.8





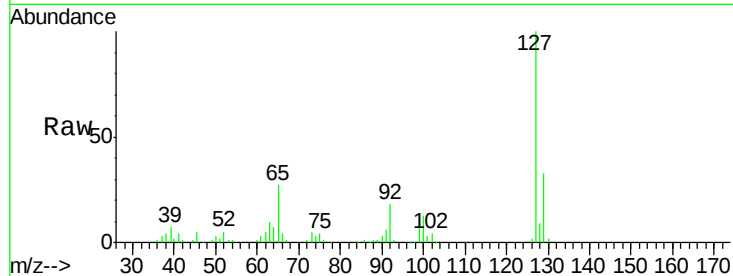
#33
4-Chloroaniline
Concen: 7.476 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

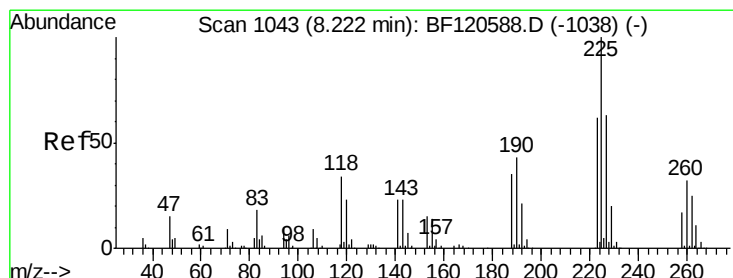
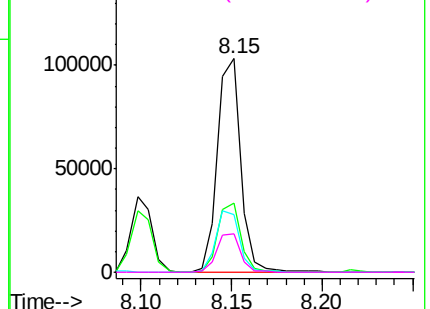
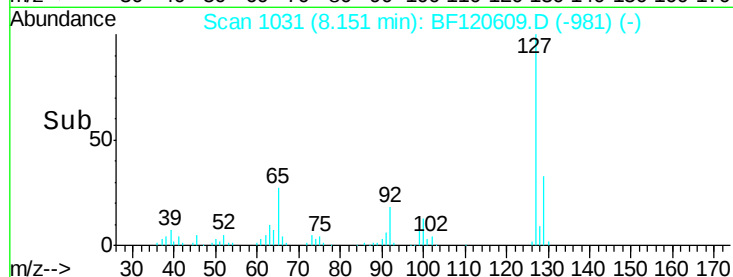
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		92517		
129	32.5	25.9	38.9		
65	26.8	22.2	33.4		
92	18.2	14.2	21.2		

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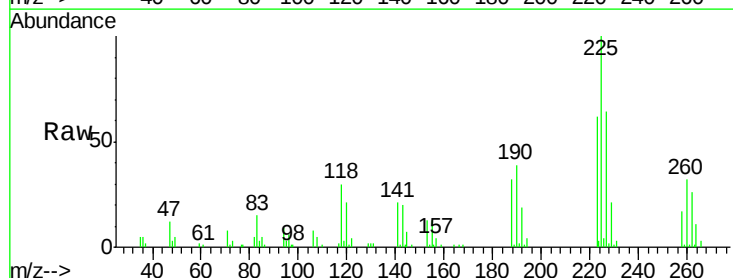


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

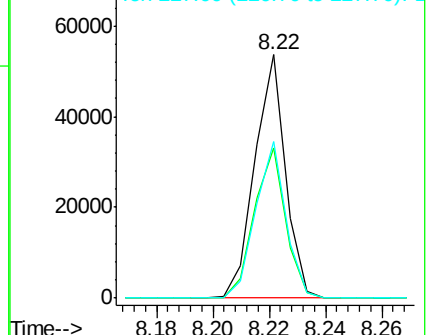
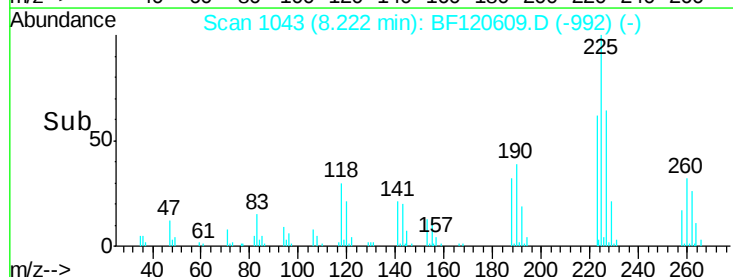


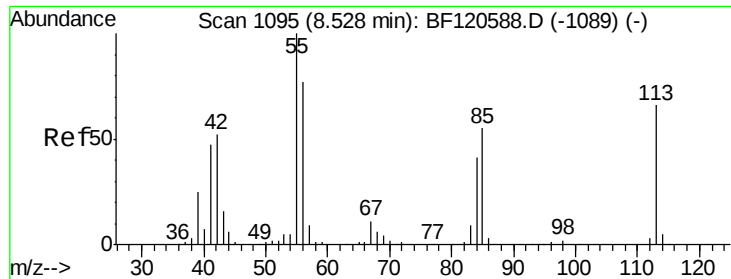
#34
Hexachlorobutadiene
Concen: 7.646 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		40201		
223	61.7	49.9	74.9		
227	64.2	50.5	75.7		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





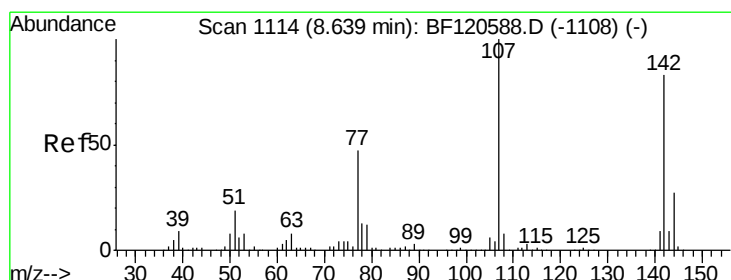
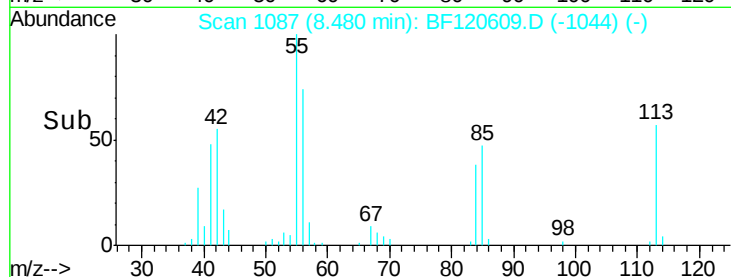
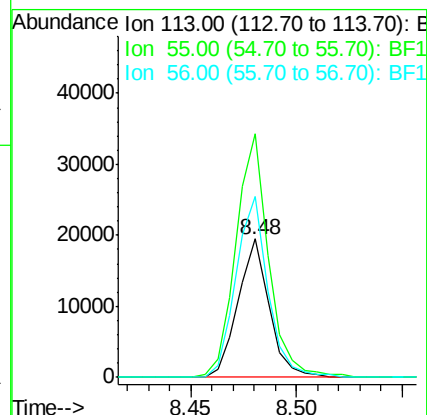
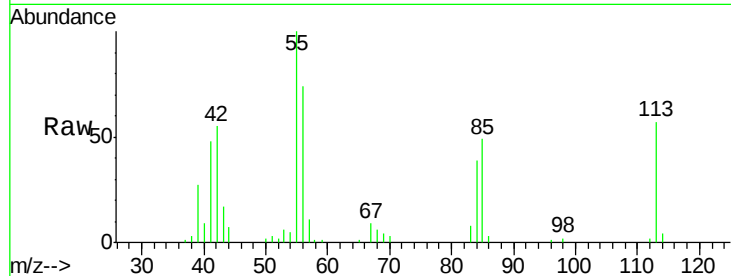
#35
Caprolactam
Concen: 7.591 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	176.2	133.1	173.1#
56	130.6	98.4	138.4

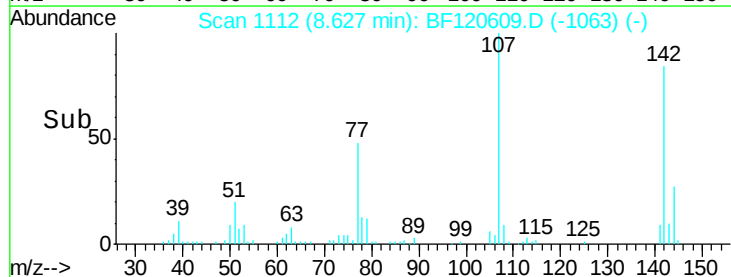
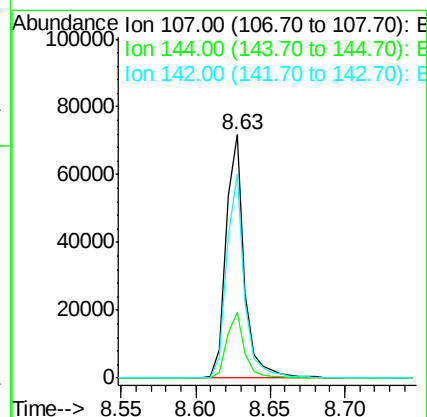
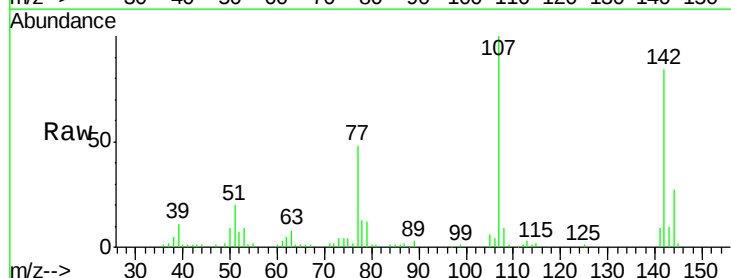
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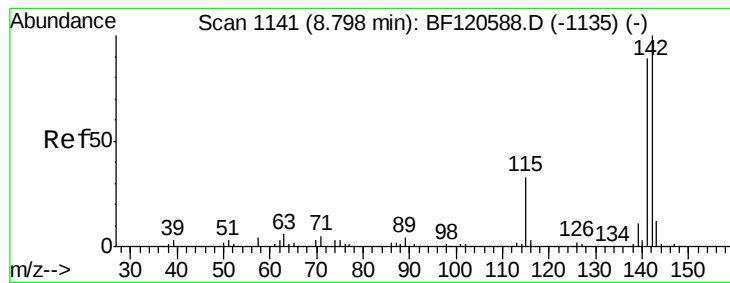
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#36
4-Chloro-3-methylphenol
Concen: 7.633 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.4	32.2
142	83.6	66.3	99.5





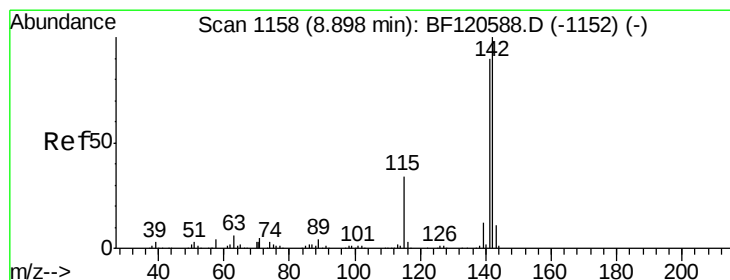
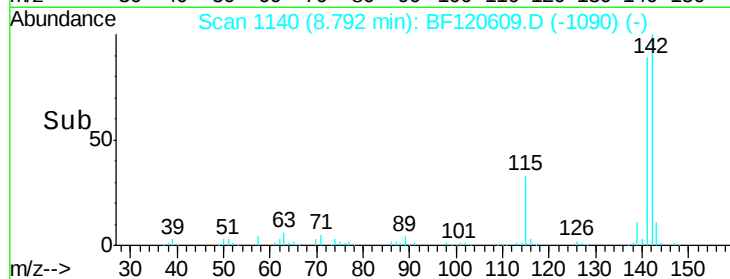
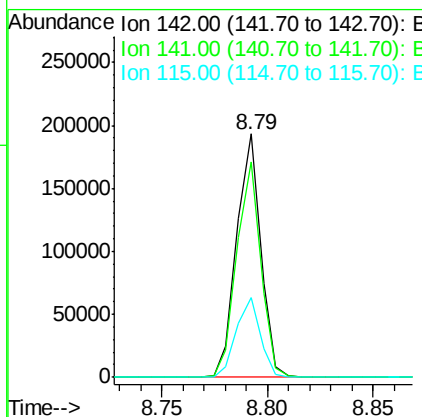
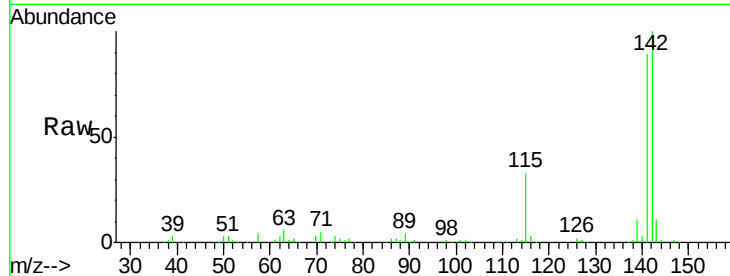
#37
2-Methylnaphthalene
Concen: 8.650 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.0
115	33.0	26.1	39.1

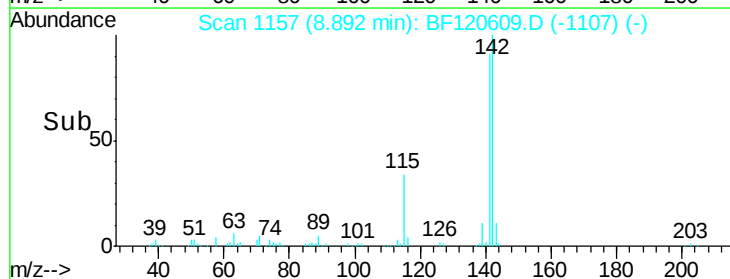
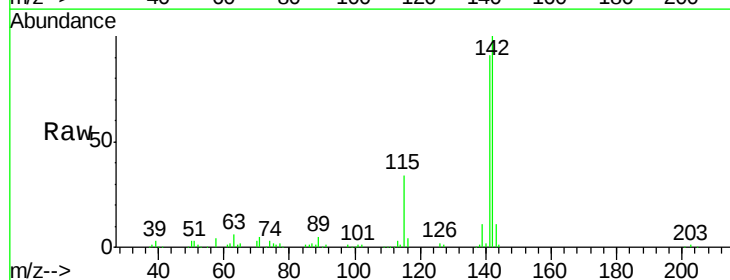
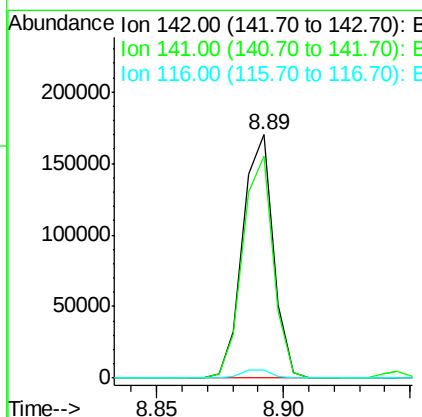
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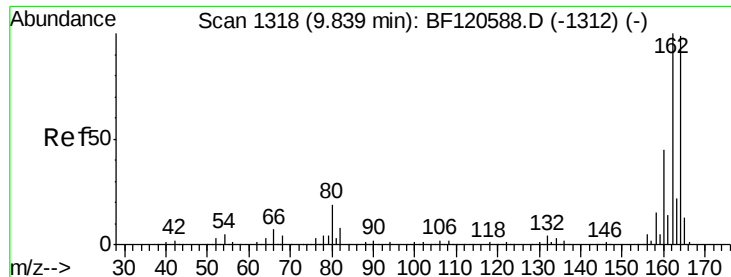
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#38
1-Methylnaphthalene
Concen: 8.619 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.1	108.1
116	3.6	2.7	4.1





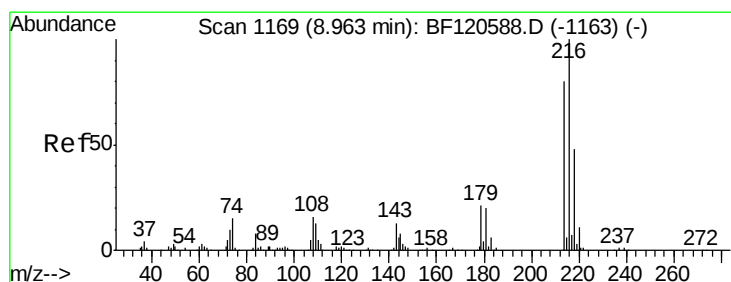
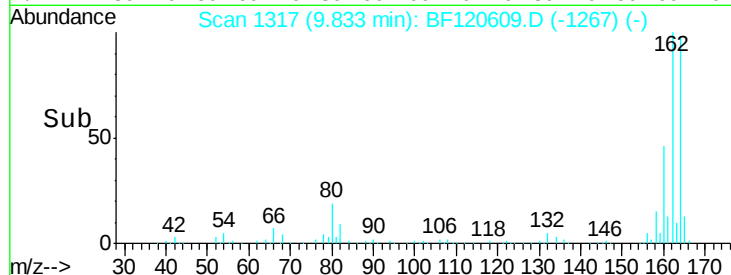
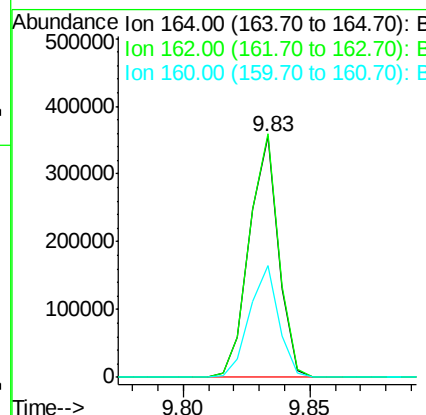
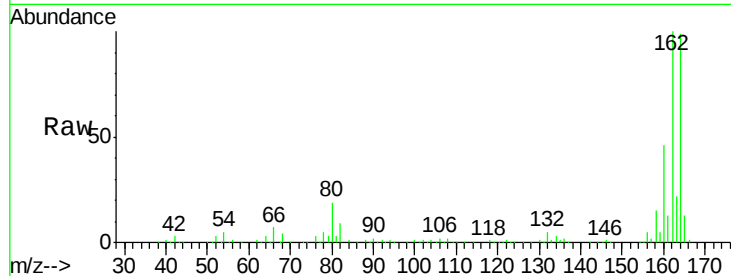
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	80.6	120.8	
160	46.2	36.2	54.2	

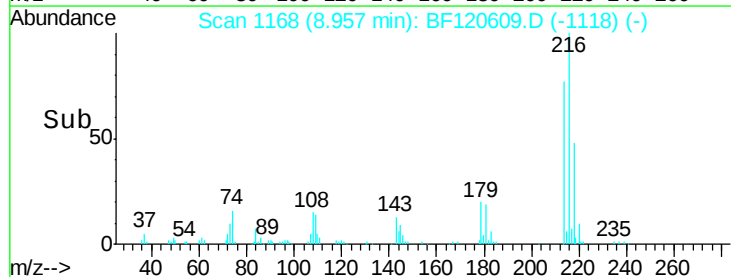
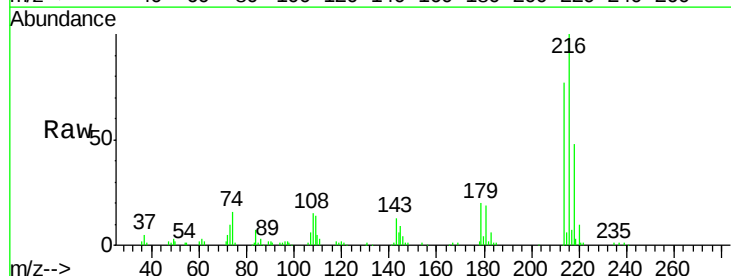
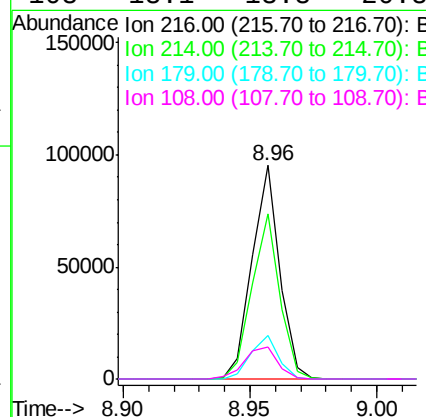
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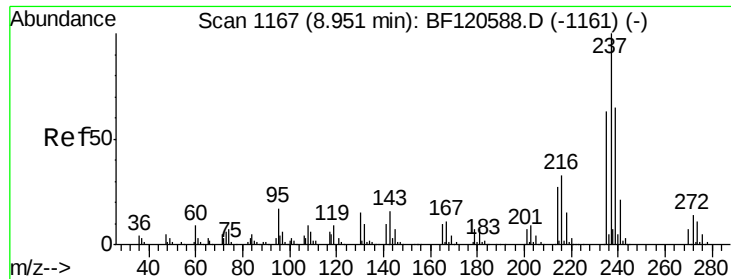
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.497 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	77.5	63.8	95.6	
179	20.5	16.4	24.6	
108	18.1	13.8	20.8	





#41

Hexachlorocyclopentadiene

Concen: 5.787 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

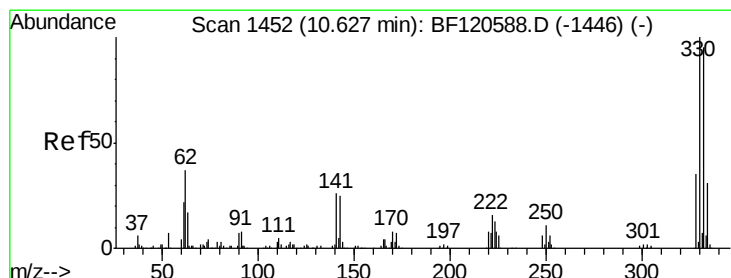
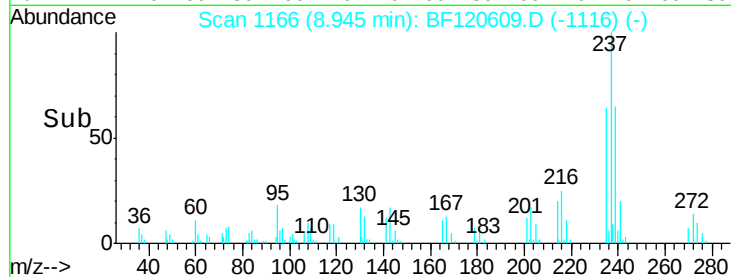
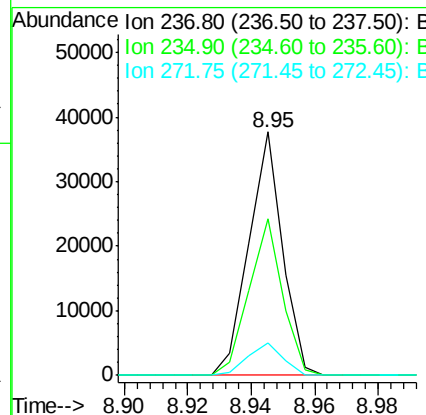
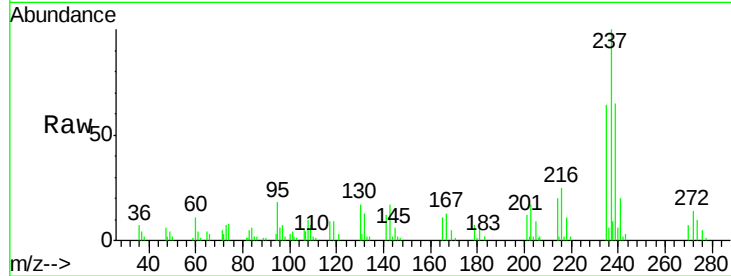
ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:	237	Resp:	27655
Ion Ratio	Lower	Upper	
237	100		
235	64.3	43.2	83.2
272	13.5	0.0	33.9

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#42

2,4,6-Tribromophenol

Concen: 148.278 ng

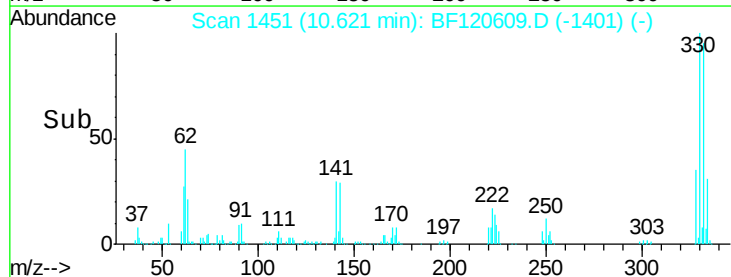
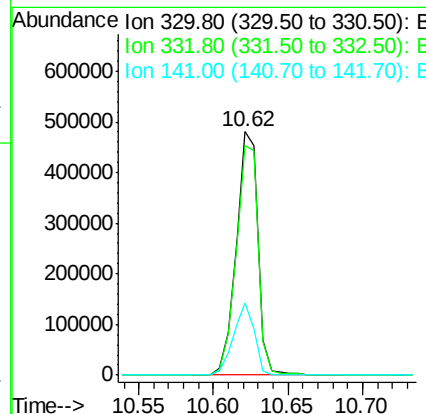
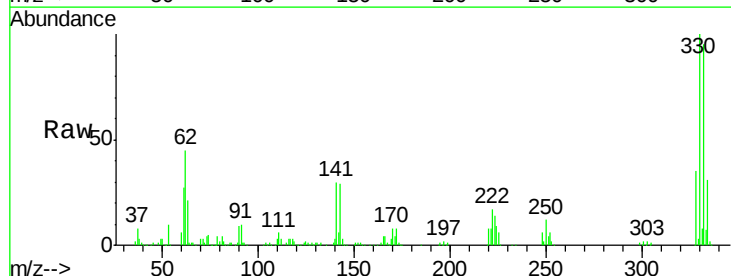
RT: 10.62 min Scan# 1451

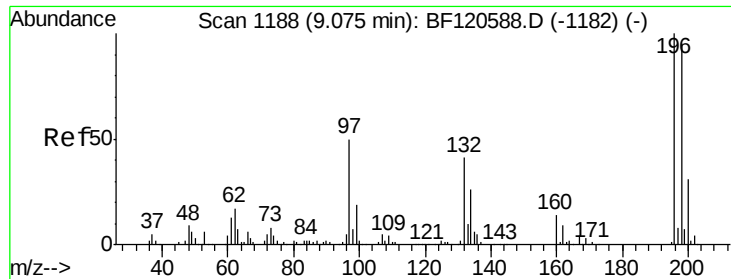
Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:	330	Resp:	492360
Ion Ratio	Lower	Upper	
330	100		
332	97.0	76.8	115.2
141	29.0	23.2	34.8





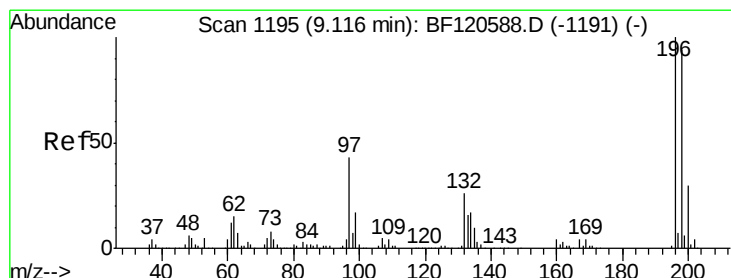
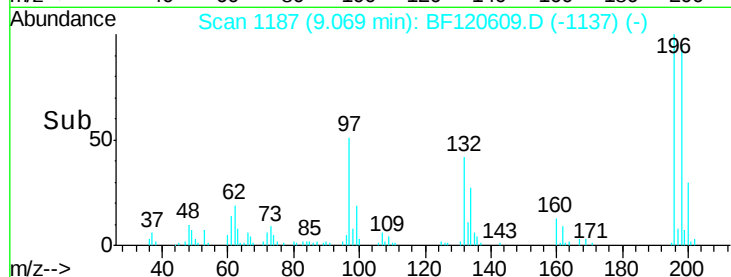
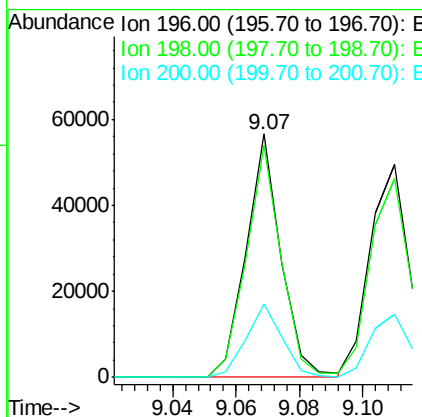
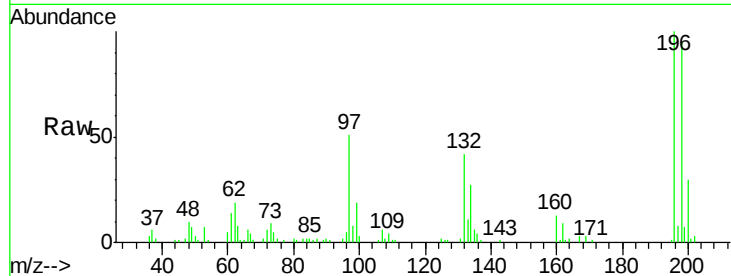
#43
 2,4,6-Trichlorophenol
 Concen: 7.115 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	43043		
198	95.2	76.2	114.2	
200	30.0	24.6	37.0	

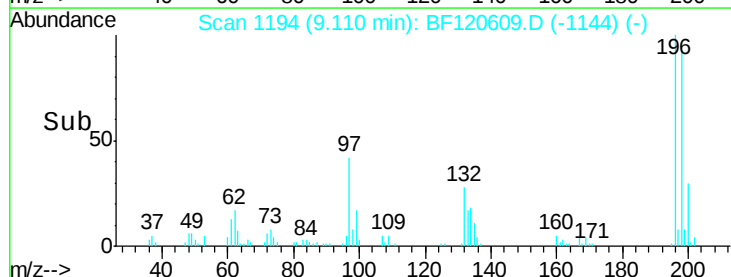
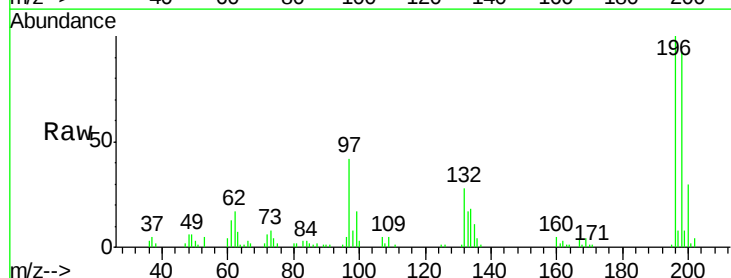
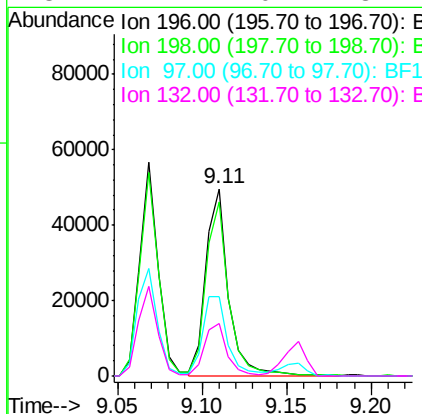
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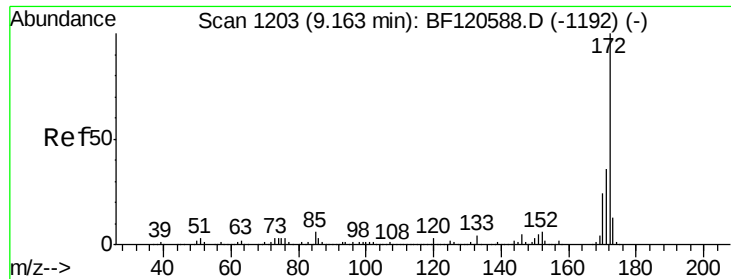
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#44
 2,4,5-Trichlorophenol
 Concen: 6.827 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	46853		
198	93.1	75.5	113.3	
97	42.5	34.4	51.6	
132	27.7	20.7	31.1	





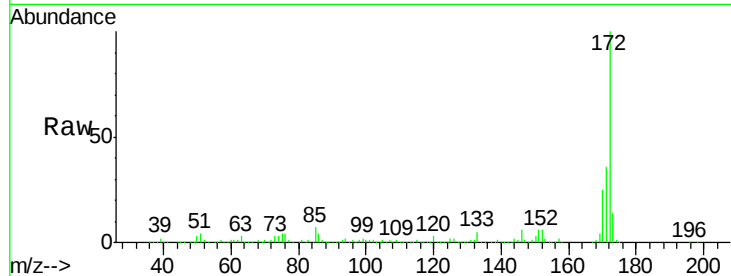
#45
2-Fluorobiphenyl
Concen: 95.739 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

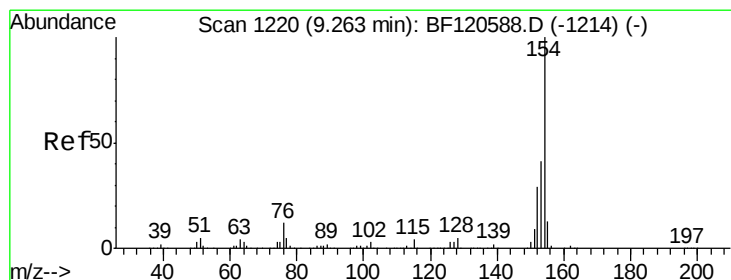
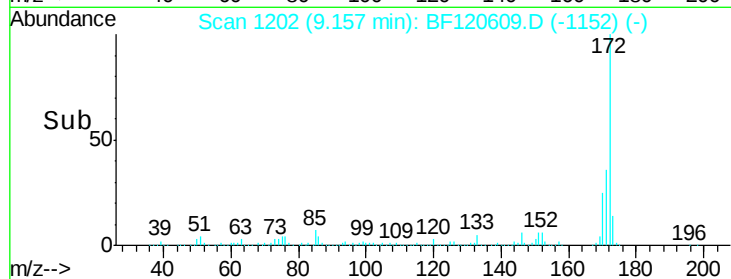
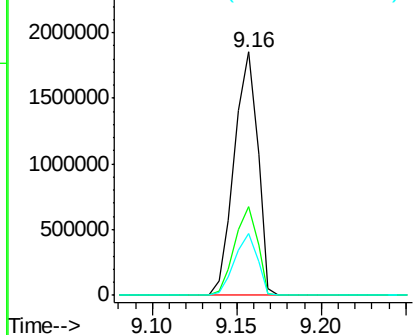
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	25.2	19.4	29.2

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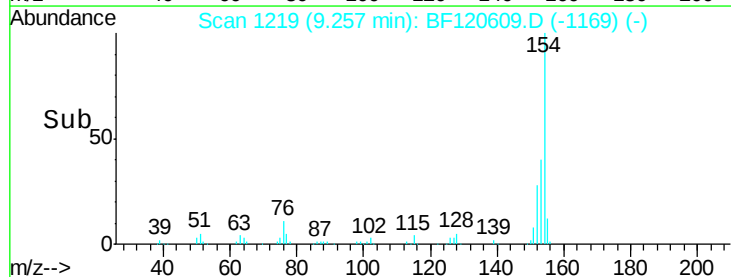
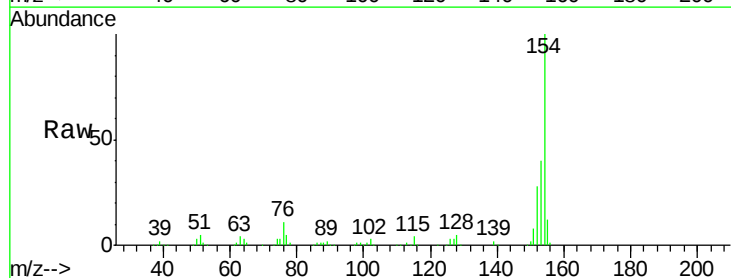
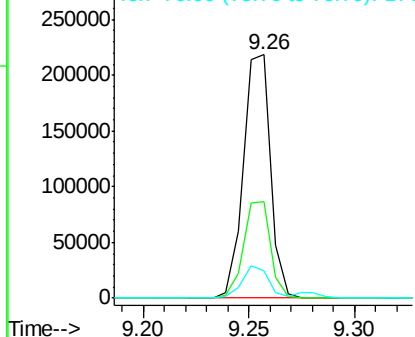
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

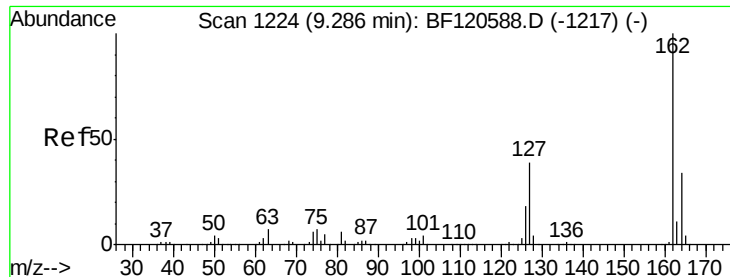


#46
1,1'-Biphenyl
Concen: 9.096 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.4	61.4
76	11.4	0.0	31.6

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





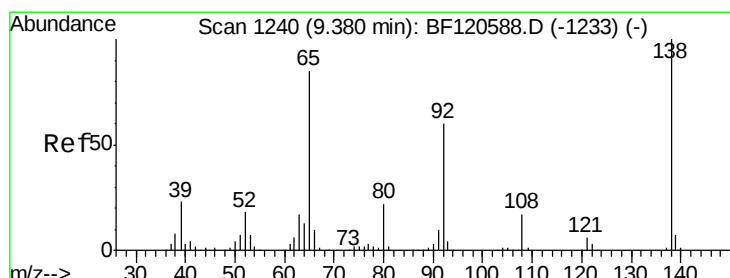
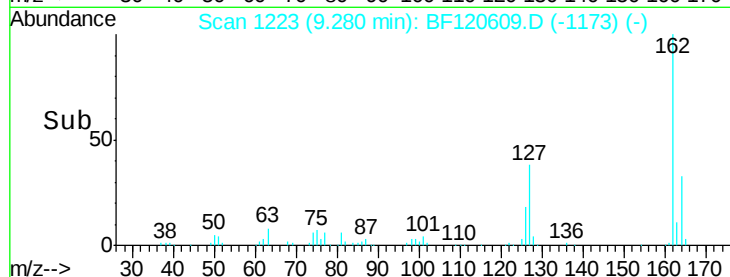
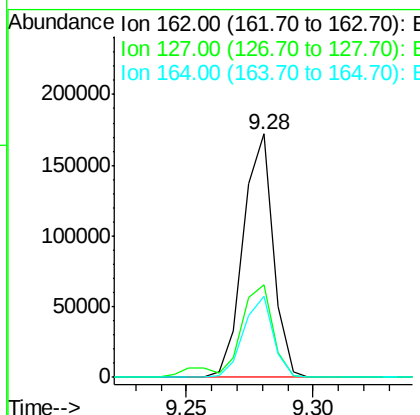
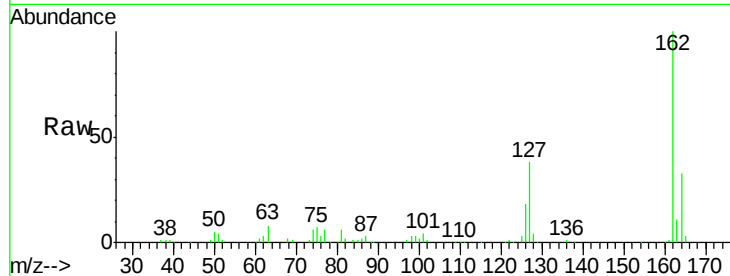
#47
 2-Chloronaphthalene
 Concen: 8.096 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	37.8	31.3	46.9		
164	33.1	26.9	40.3		

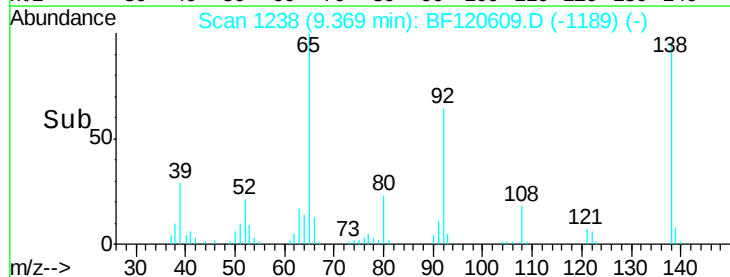
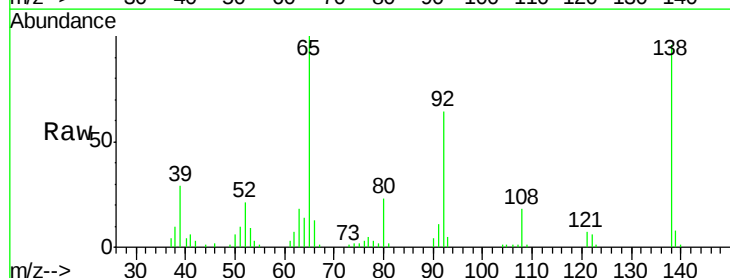
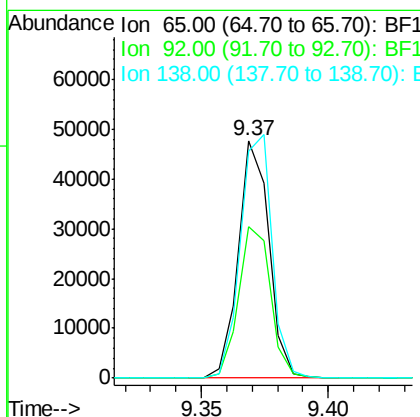
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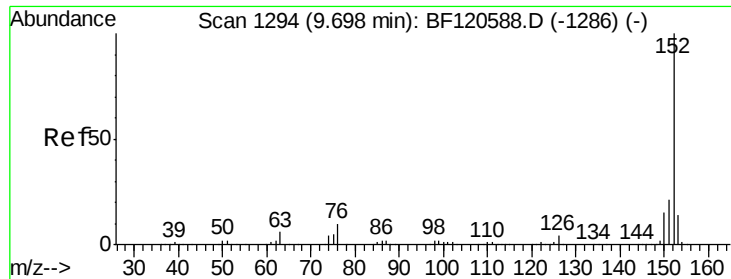
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#48
 2-Nitroaniline
 Concen: 7.265 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	63.7	56.0	84.0		
138	95.7	94.0	141.0		





#49

Acenaphthylene

Concen: 8.405 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

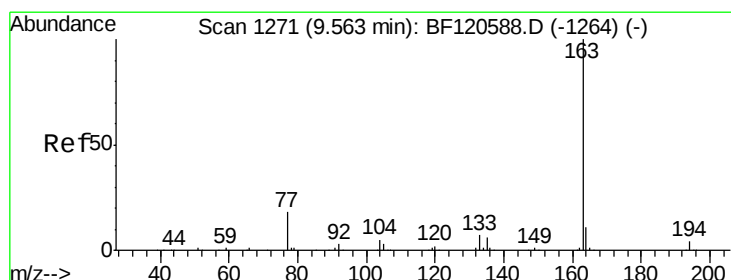
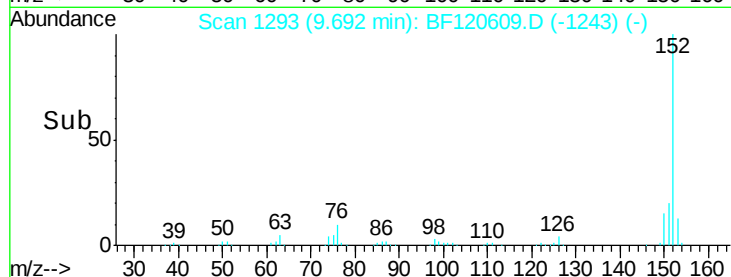
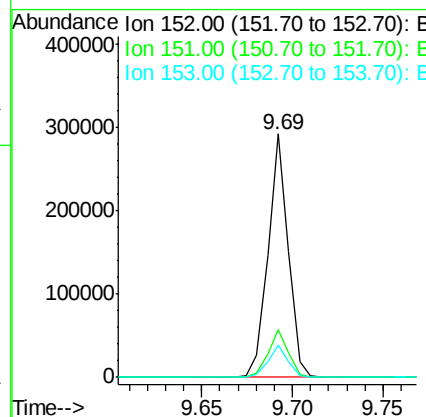
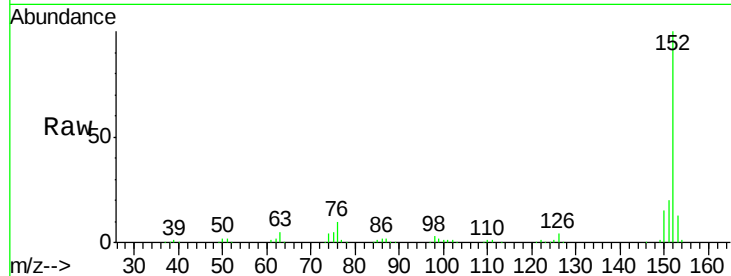
ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		226212		
151	19.9		16.6	25.0	
153	13.2		11.0	16.6	

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#50

Dimethylphthalate

Concen: 7.797 ng

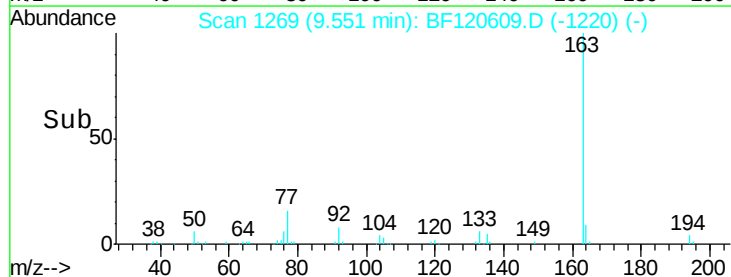
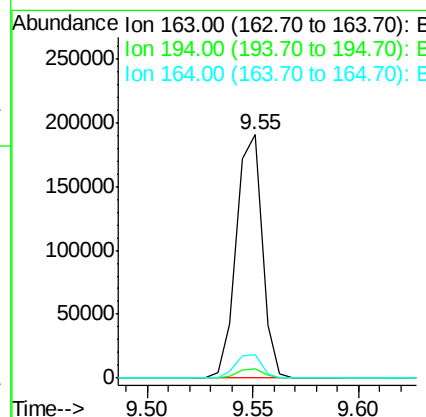
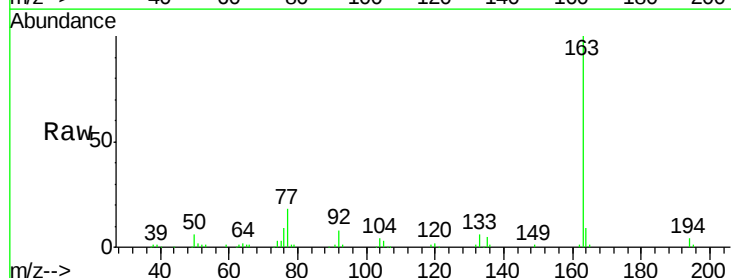
RT: 9.55 min Scan# 1269

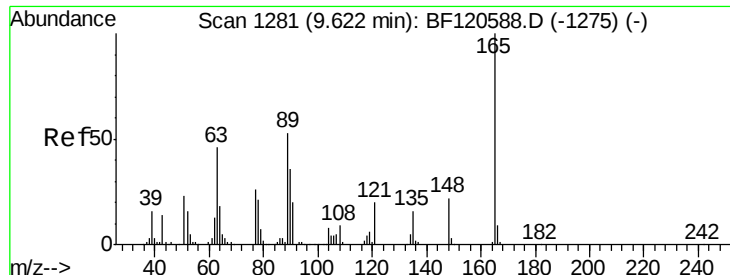
Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		160376		
194	4.0		3.1	4.7	
164	9.4		8.5	12.7	





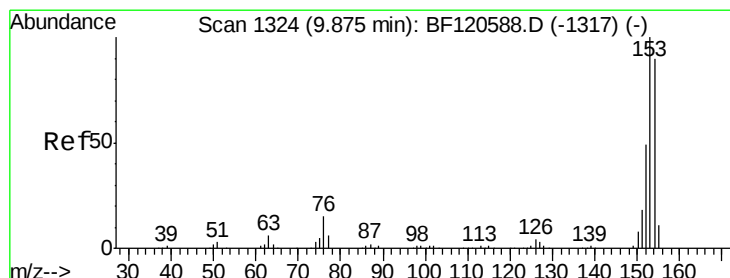
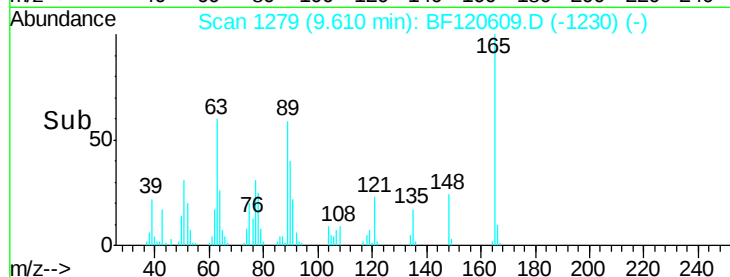
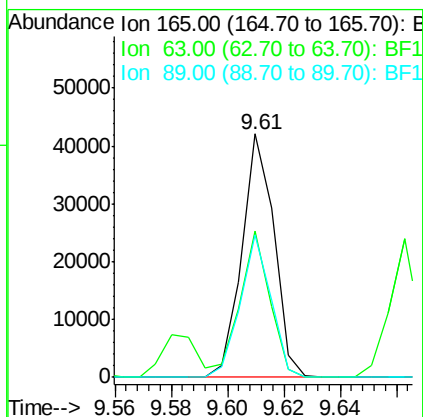
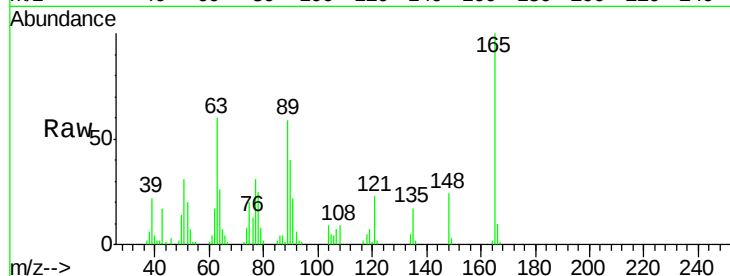
#51
2,6-Dinitrotoluene
Concen: 7.125 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	60.0	41.7	62.5
89	58.7	42.6	64.0

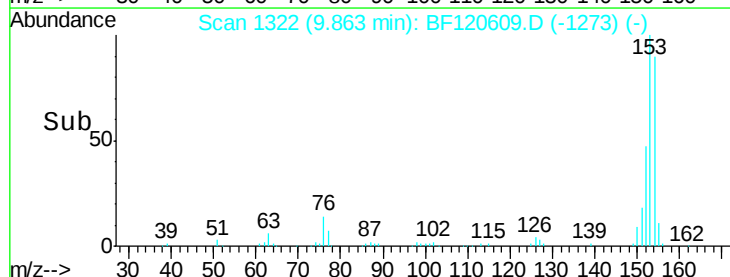
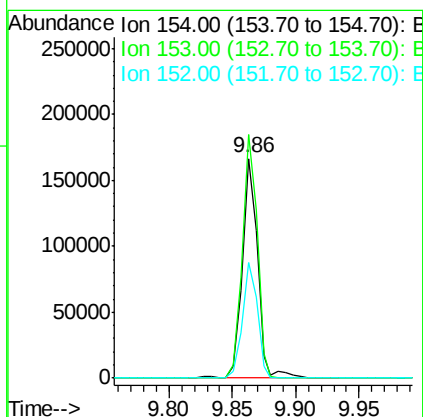
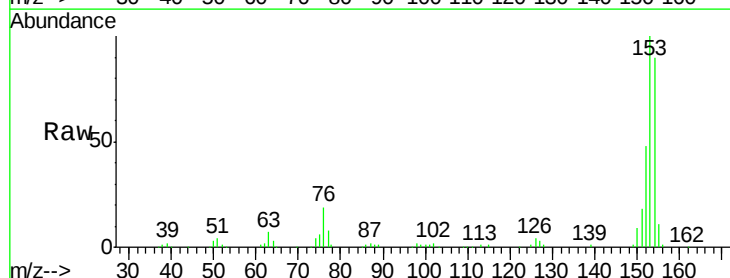
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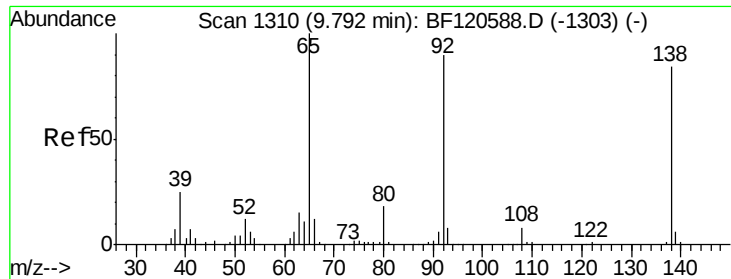
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#52
Acenaphthene
Concen: 8.577 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	111.0	89.1	133.7
152	52.9	43.7	65.5





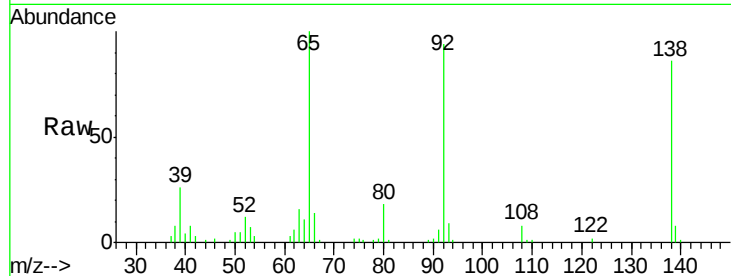
#53
3-Nitroaniline
Concen: 6.678 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

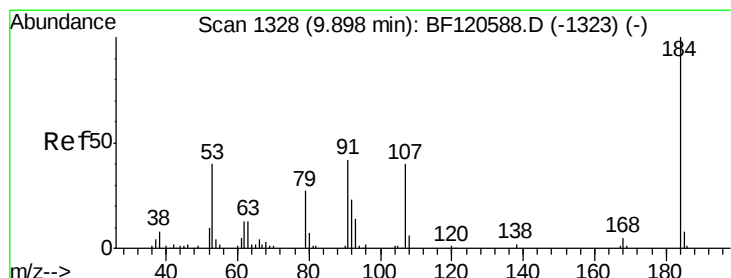
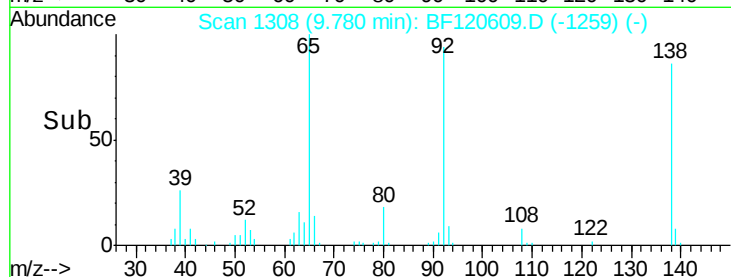
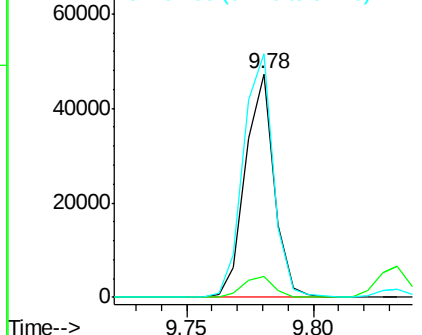
Tot Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.0	12.0
92	108.8	86.0	129.0

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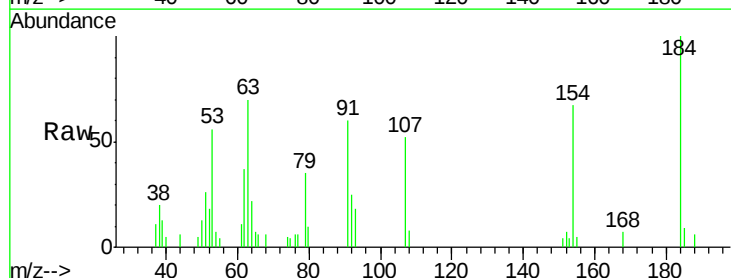


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

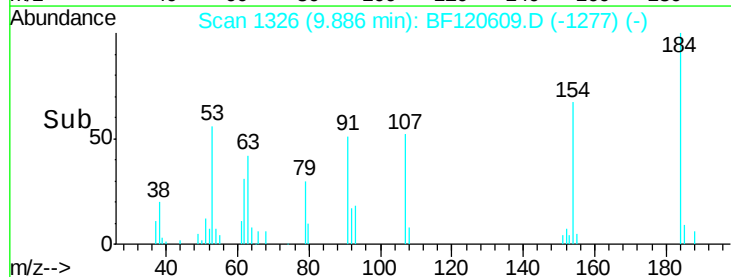
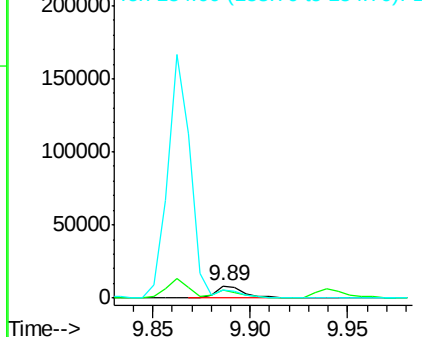


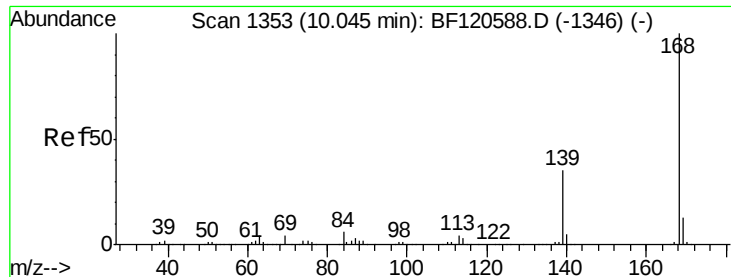
#54
2,4-Dinitrophenol
Concen: 3.499 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.9	44.2	66.2#
154	67.2	45.9	68.9



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





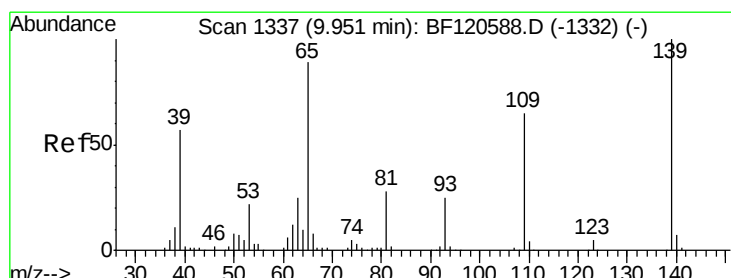
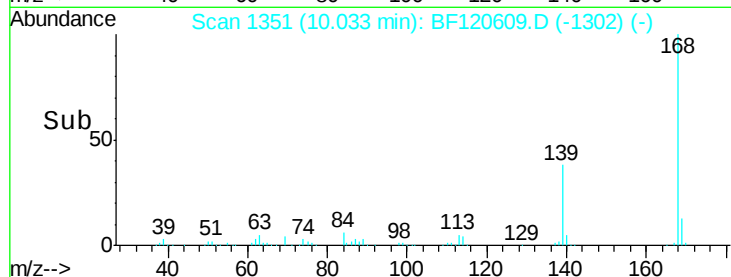
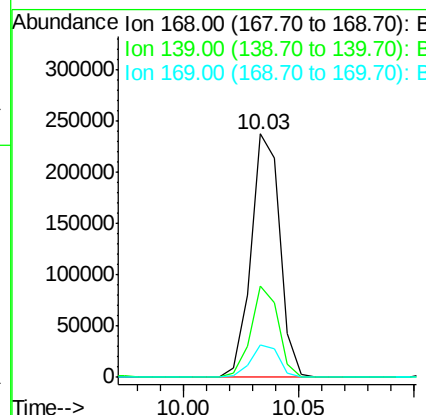
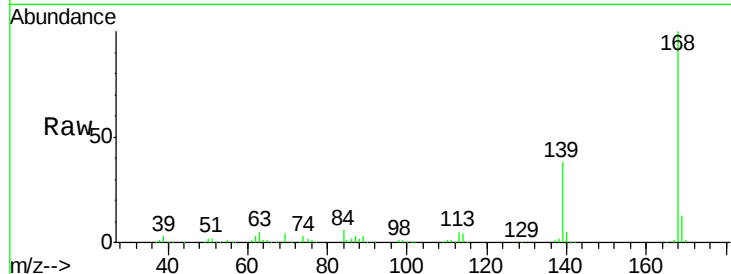
#55
Dibenzenofuran
Concen: 8.437 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.6	28.1	42.1
169	13.2	10.6	16.0

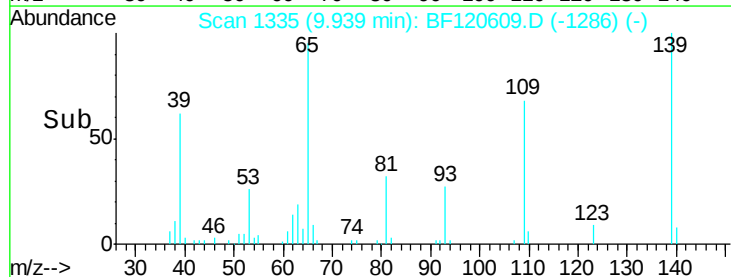
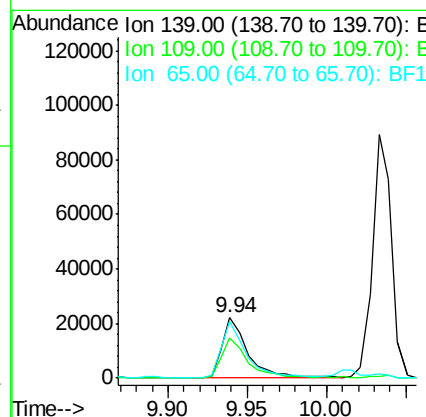
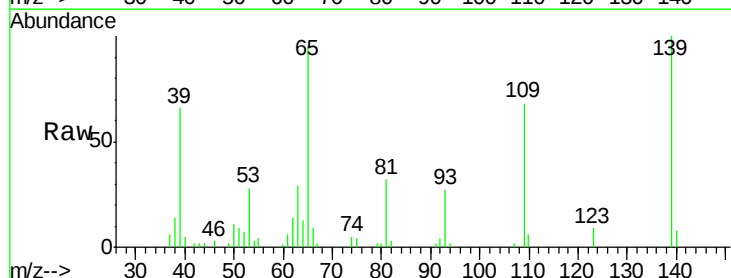
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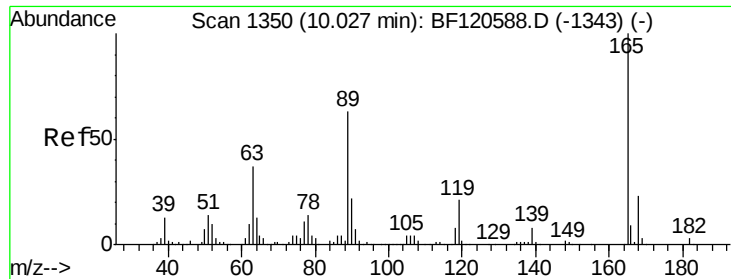
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#56
4-Nitrophenol
Concen: 5.913 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.5	44.6	84.6
65	94.9	69.2	109.2





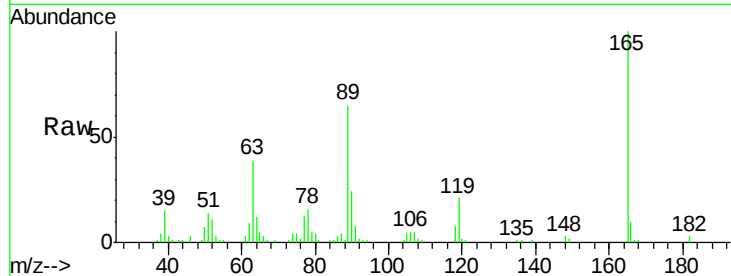
#57
2,4-Dinitrotoluene
Concen: 6.886 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

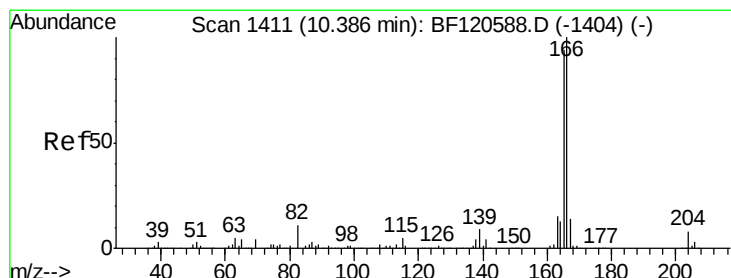
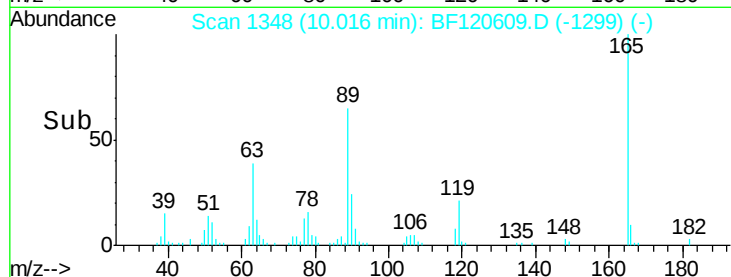
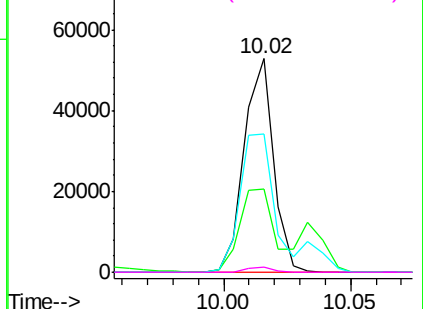
Tot Ion	Ratio	Resp	Lower	Upper
165	100	42591		
63	38.8	29.8	44.8	
89	65.0	50.4	75.6	
182	2.6	2.1	3.1	

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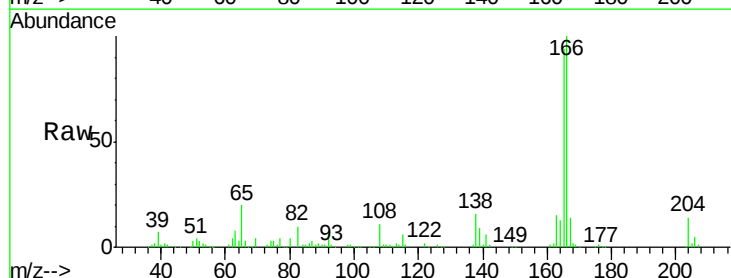


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

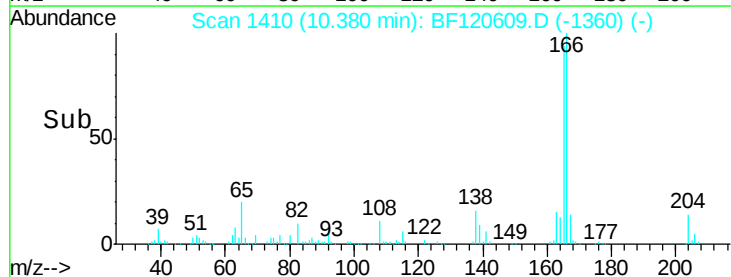
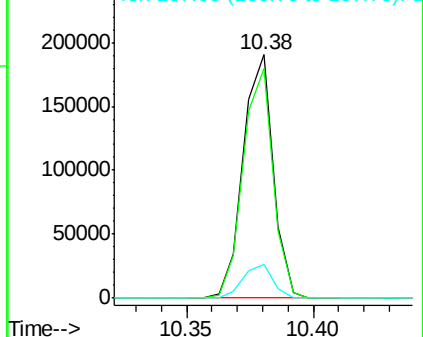


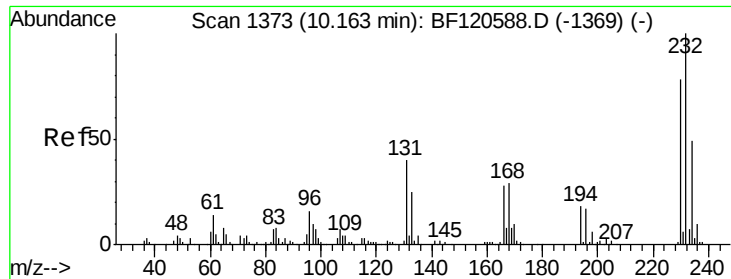
#58
Fluorene
Concen: 8.262 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	156751		
165	94.5	75.0	112.6	
167	13.7	11.0	16.4	



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.744 ng

RT: 10.16 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

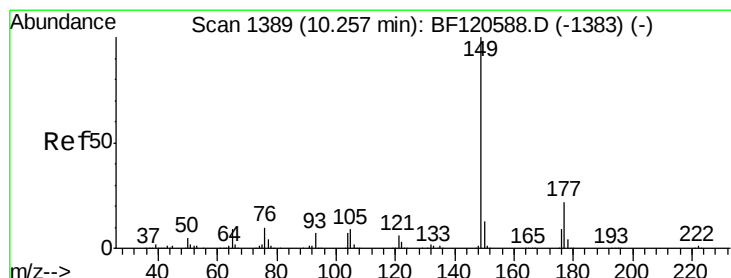
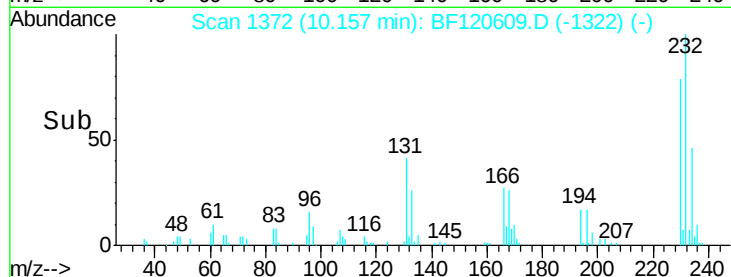
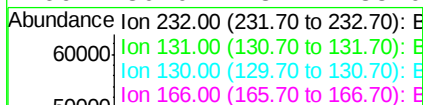
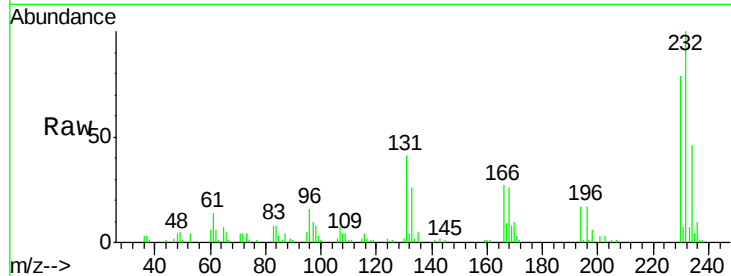
ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
232	100			
131	45.9	33.5	50.3	
130	2.0	1.5	2.3	
166	30.0	23.4	35.0	

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#60

Diethylphthalate

Concen: 8.006 ng

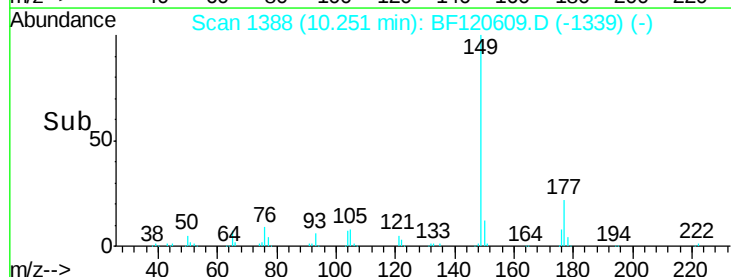
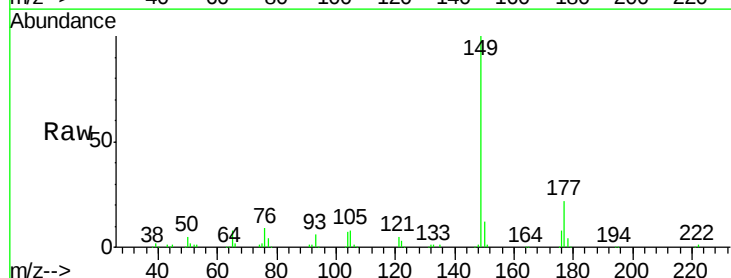
RT: 10.25 min Scan# 1388

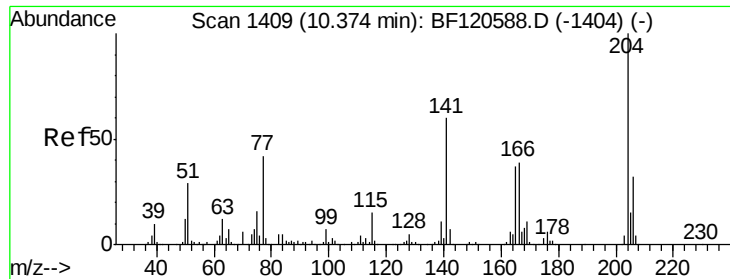
Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	21.5	17.3	25.9	
150	11.8	10.3	15.5	





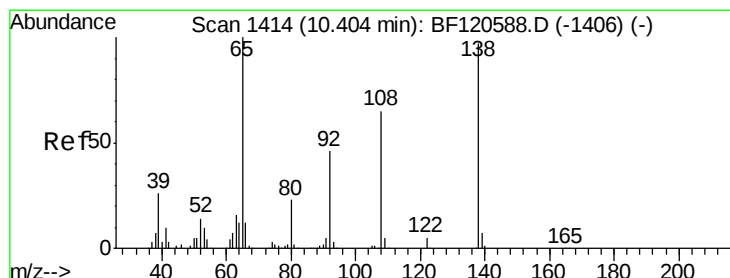
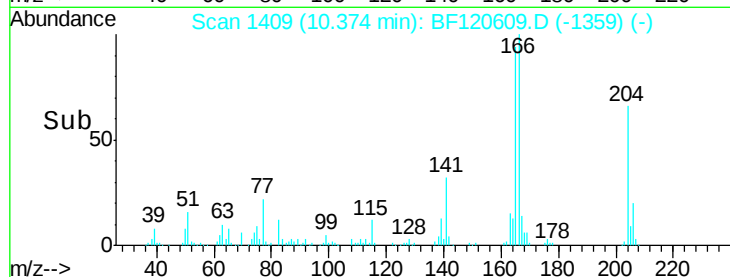
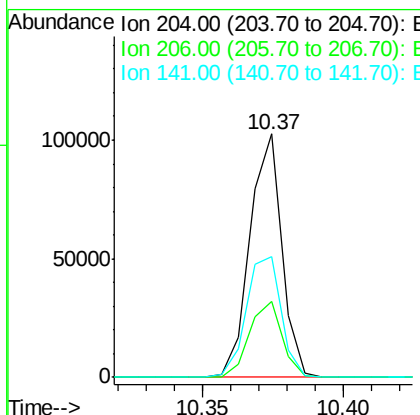
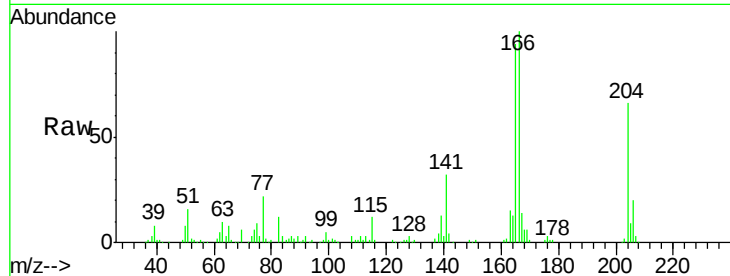
#61
 4-Chlorophenyl-phenylether
 Concen: 8.220 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion:	204	Resp:	80540
Ion Ratio	Lower	Upper	
204	100		
206	31.1	25.9	38.9
141	49.4	47.6	71.4

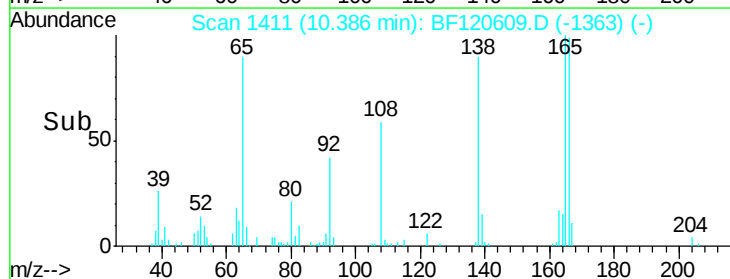
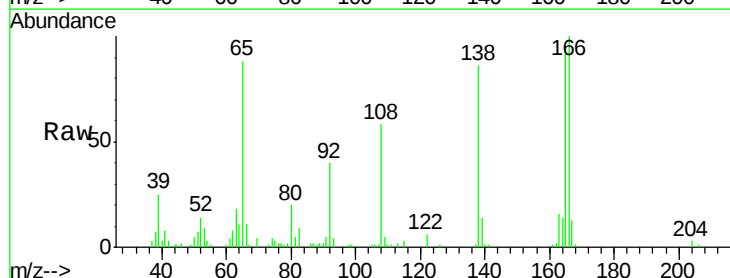
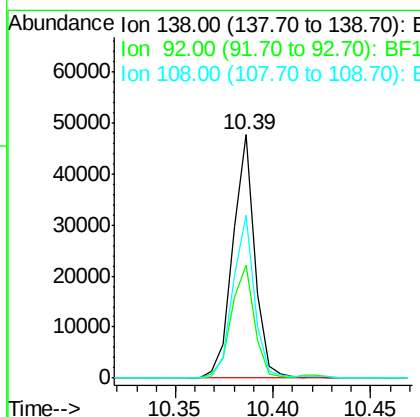
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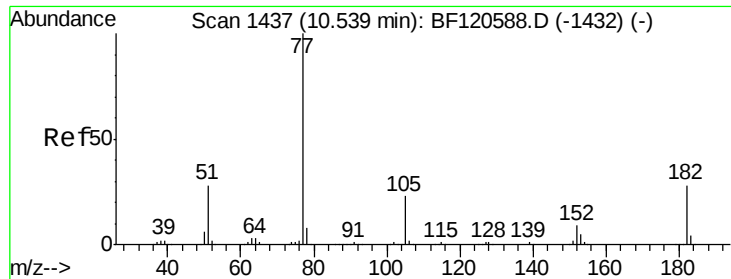
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#62
 4-Nitroaniline
 Concen: 6.708 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.02 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion:	138	Resp:	37285
Ion Ratio	Lower	Upper	
138	100		
92	46.5	27.3	67.3
108	66.8	47.4	87.4





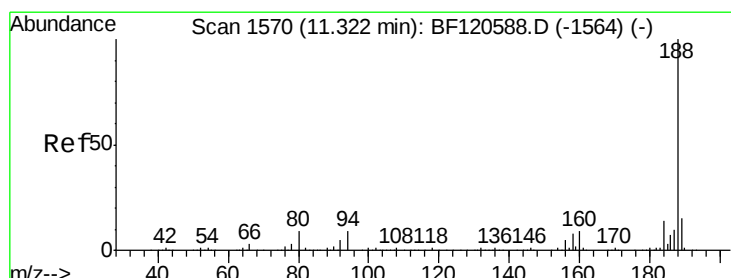
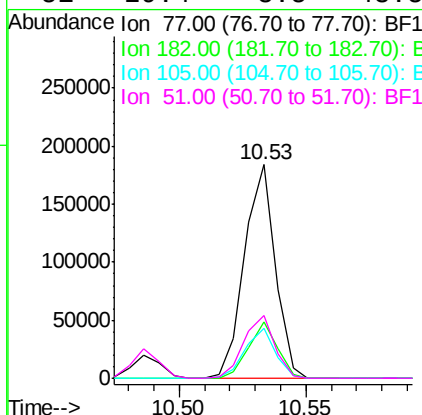
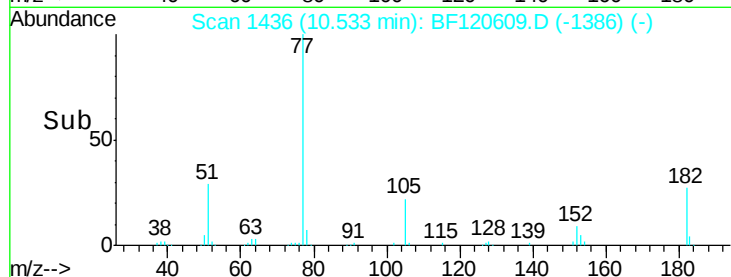
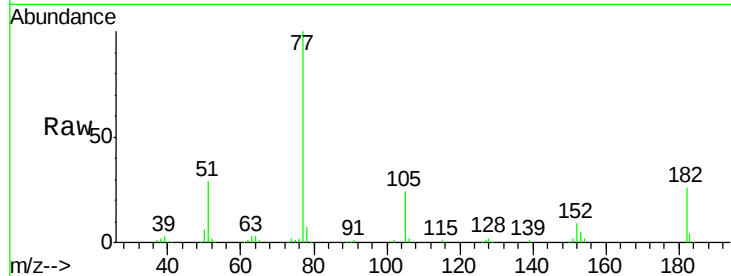
#63
Azobenzene
Concen: 8.516 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	26.4	7.7	47.7		
105	23.6	3.2	43.2		
51	29.4	8.5	48.5		

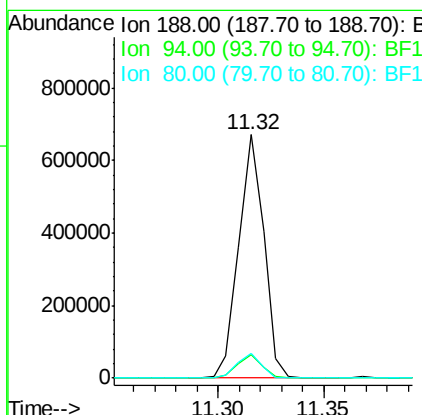
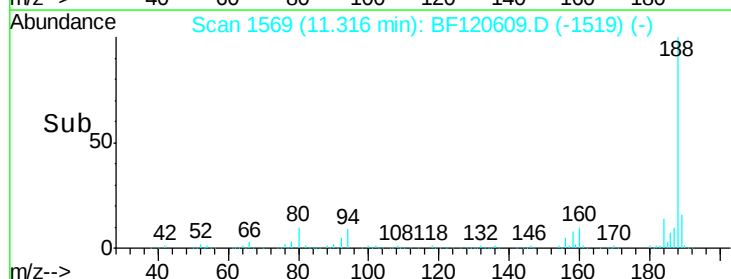
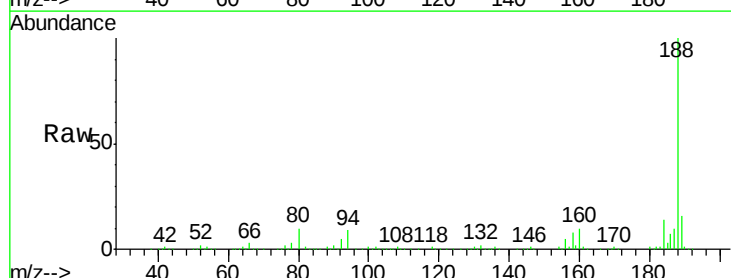
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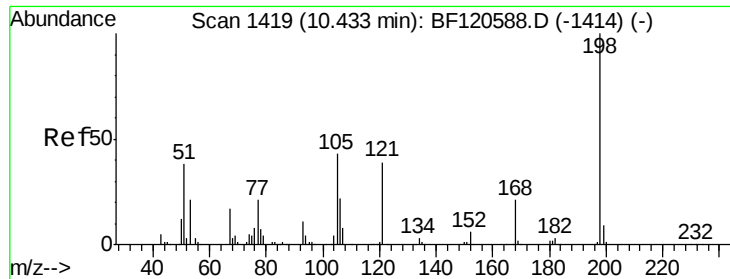
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.5	7.2	10.8		
80	10.2	7.4	11.2		





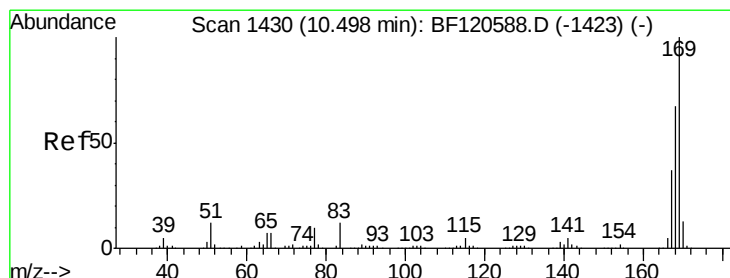
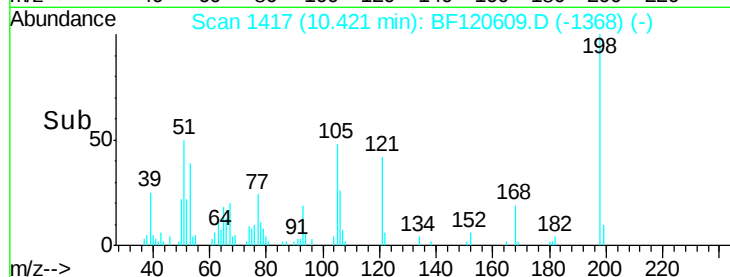
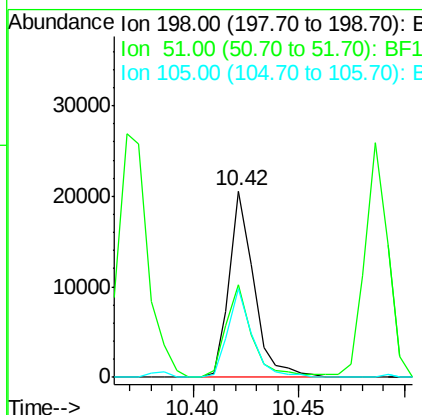
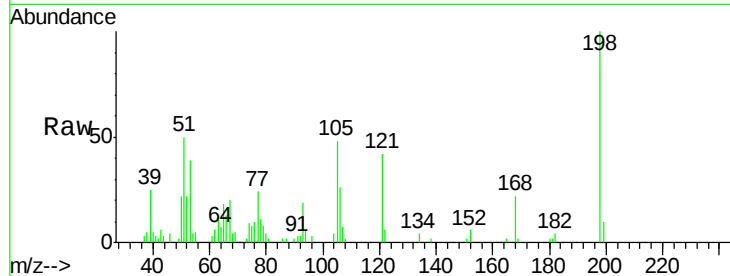
#65
4,6-Dinitro-2-methylphenol
Concen: 5.038 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
198	100		
51	49.7	24.8	64.8
105	47.5	23.9	63.9

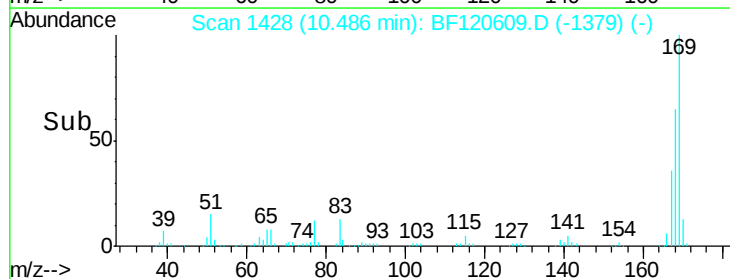
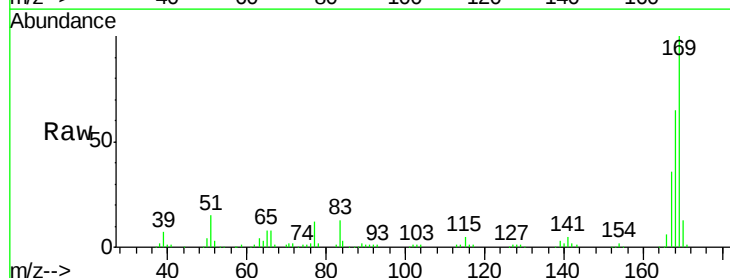
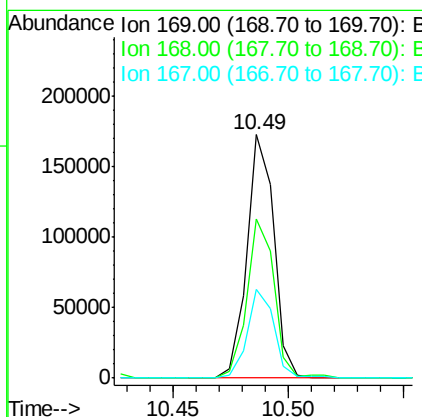
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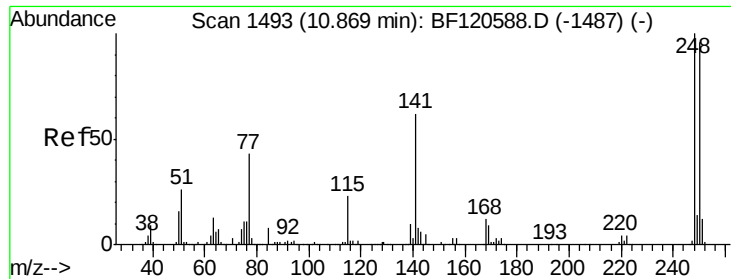
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 8.344 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.4	53.7	80.5
167	36.3	29.9	44.9





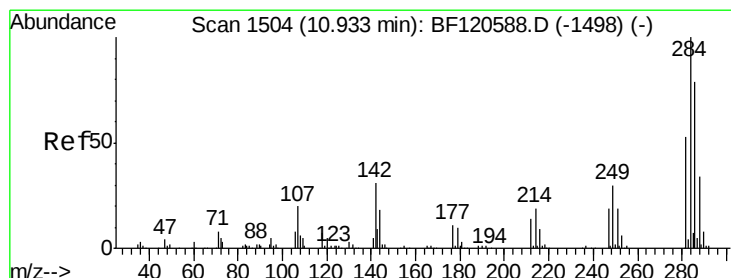
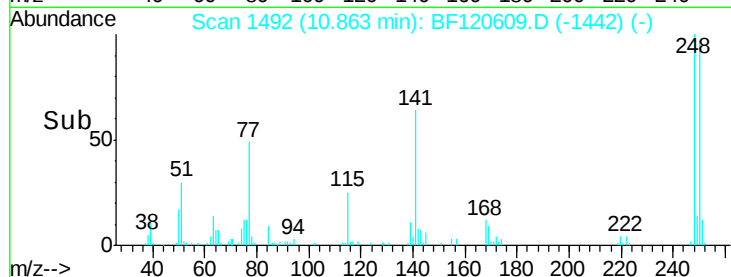
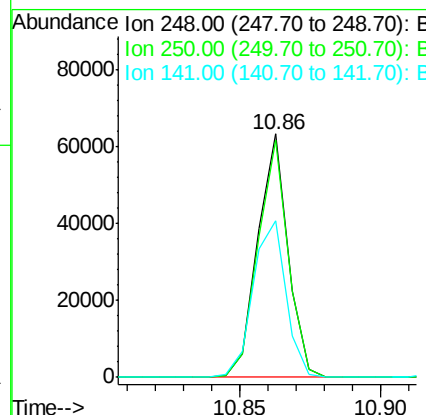
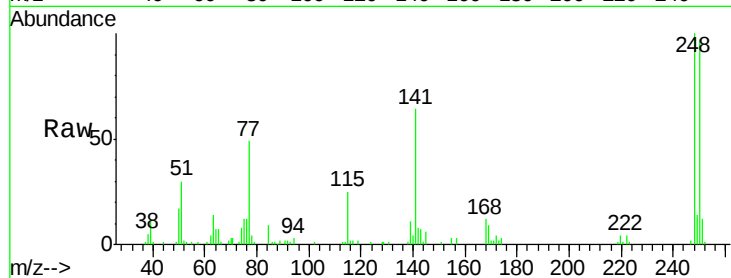
#67
 4-Bromophenyl-phenylether
 Concen: 7.527 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.7	115.1
141	64.2	49.4	74.0

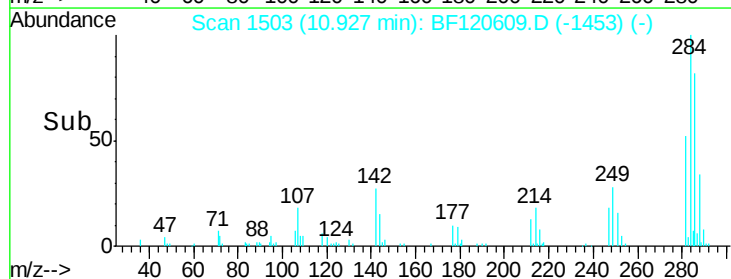
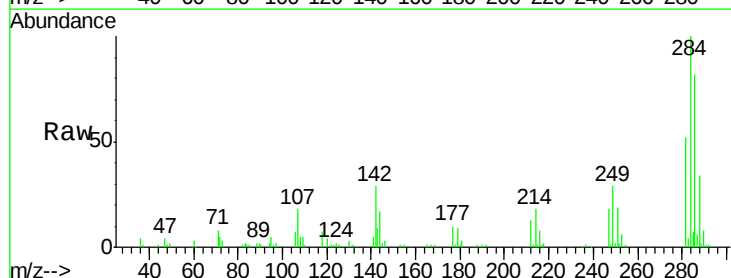
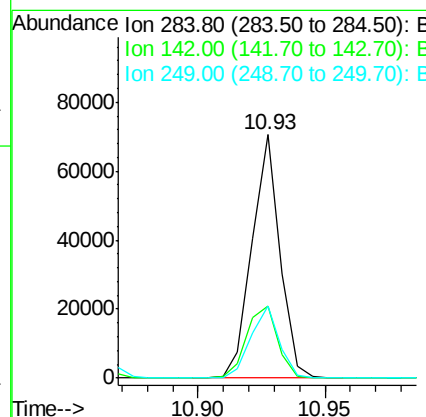
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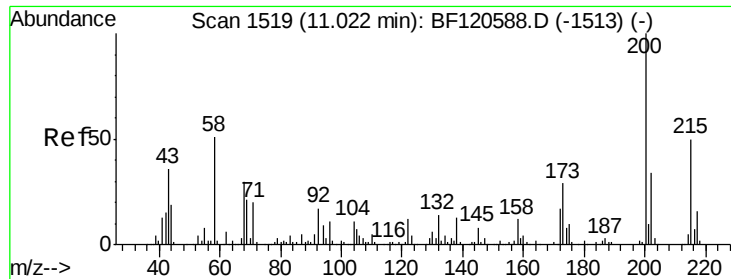
mohammad
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#68
 Hexachlorobenzene
 Concen: 8.044 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.5	25.1	37.7
249	29.4	24.0	36.0





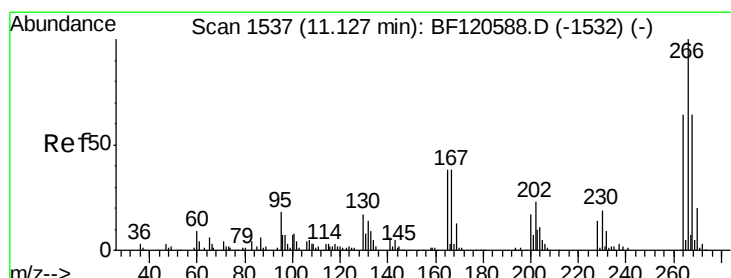
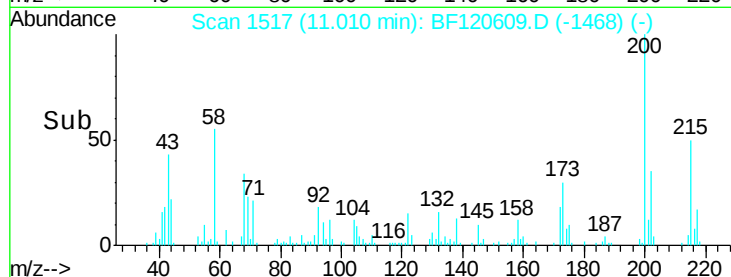
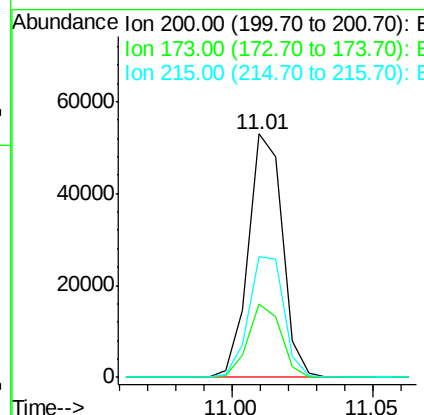
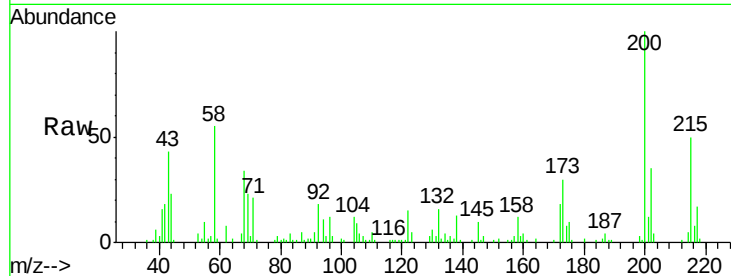
#69
Atrazine
Concen: 8.478 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	30.3	9.1	49.1
215	49.8	29.8	69.8

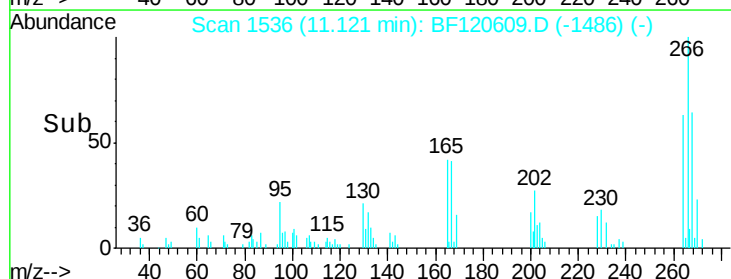
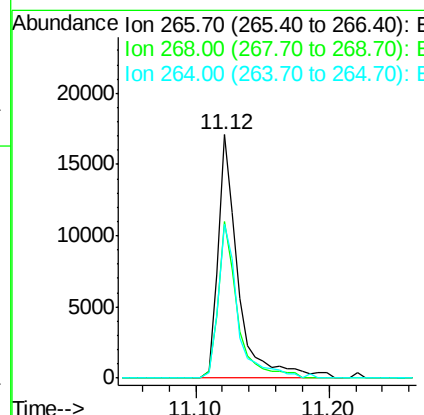
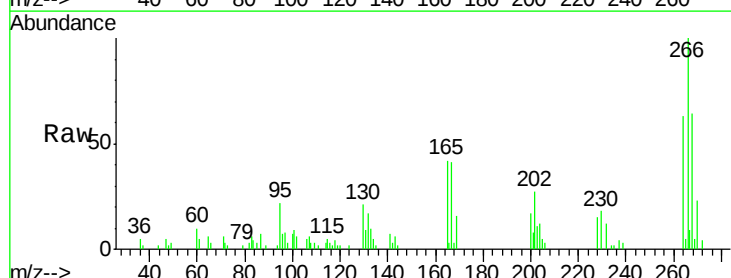
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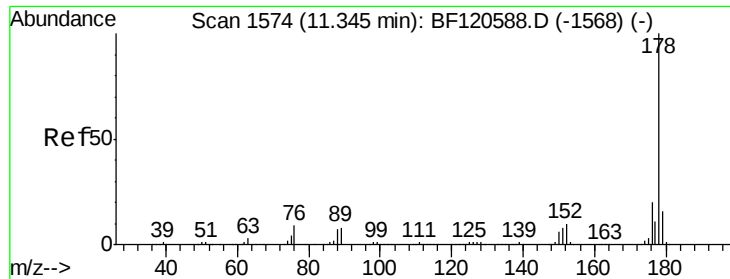
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#70
Pentachlorophenol
Concen: 4.868 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	51.4	77.0
264	63.2	50.8	76.2





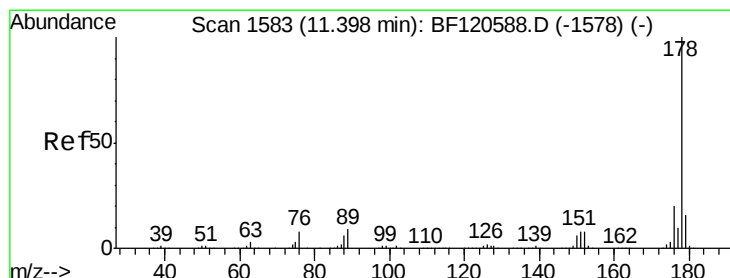
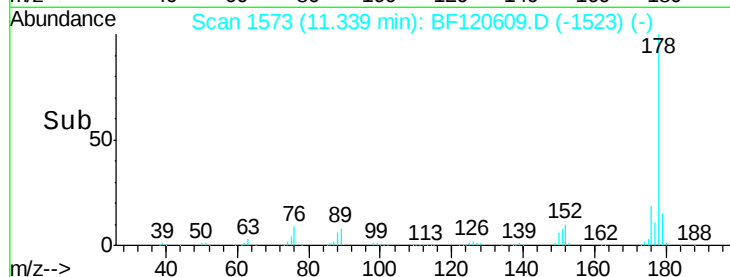
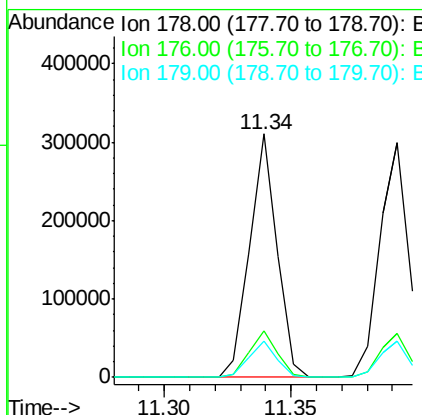
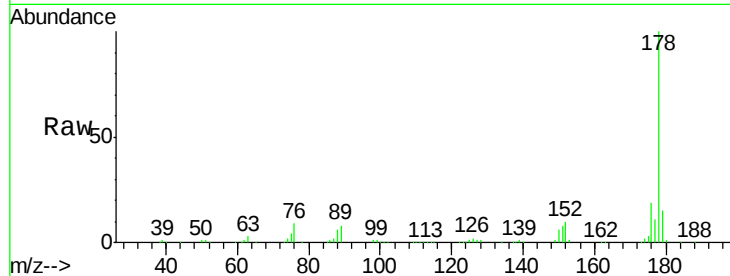
#71
Phenanthrene
Concen: 8.570 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.0	12.8	19.2

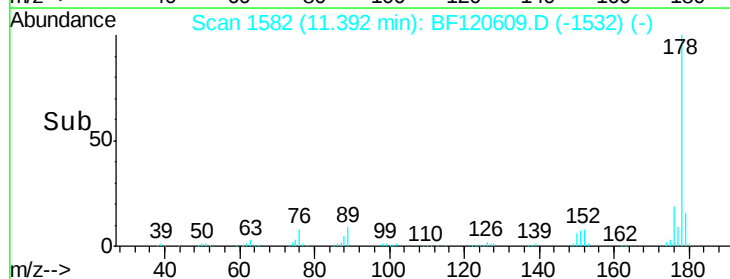
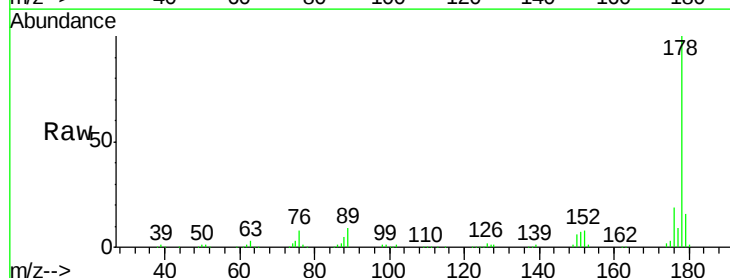
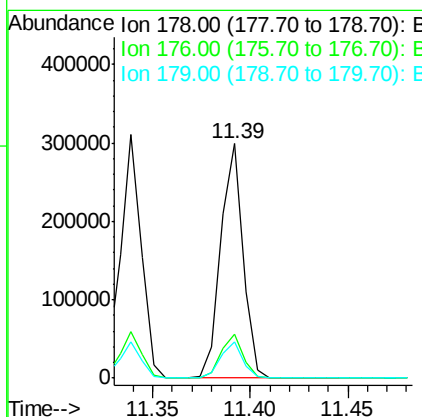
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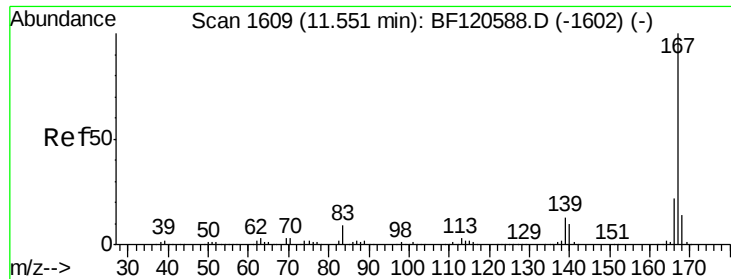
mohammad
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#72
Anthracene
Concen: 8.596 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.7	12.9	19.3





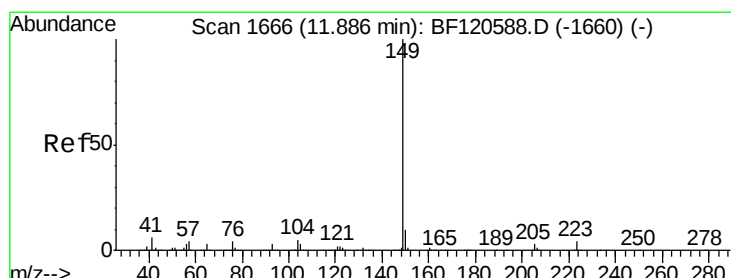
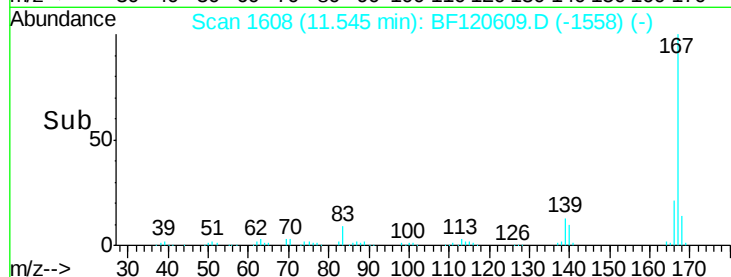
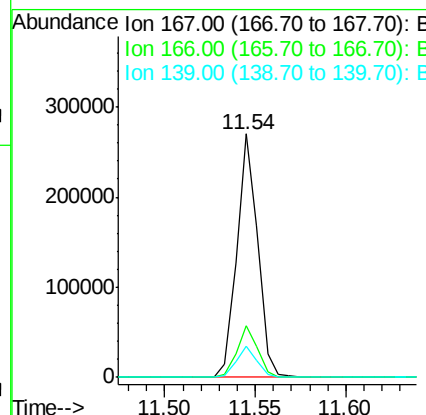
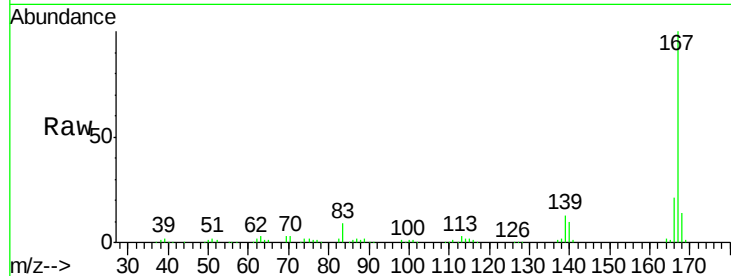
#73
 Carbazole
 Concen: 7.909 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
167	100	216280		
166	21.2	17.2	25.8	
139	12.6	10.1	15.1	

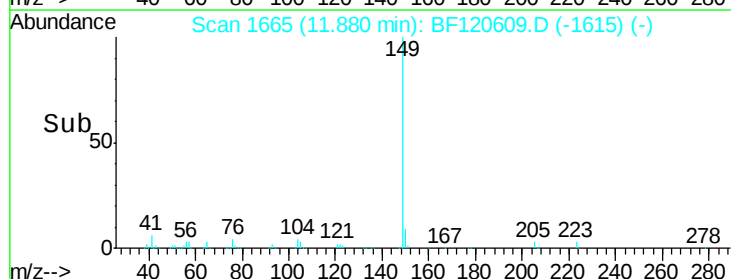
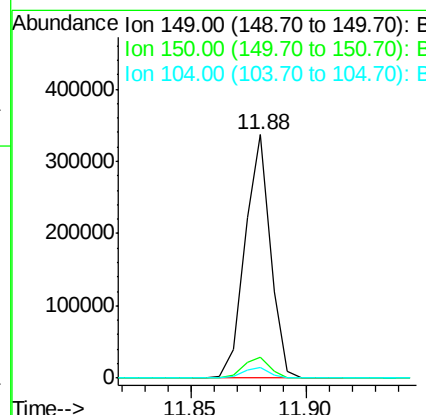
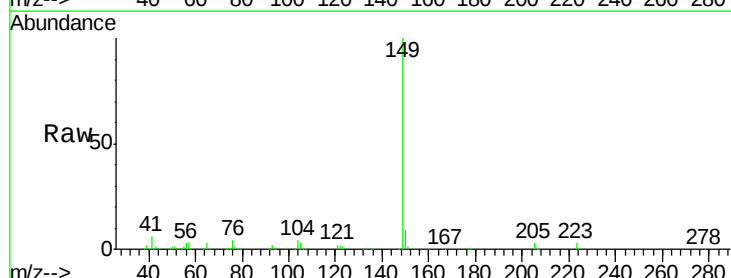
Manual Integrations
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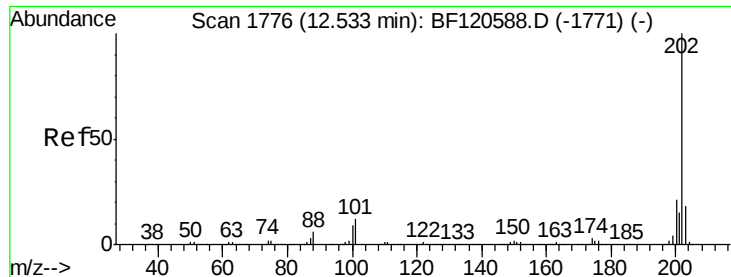
mohammad
 6/15/2020 8:46:47 AM



#74
 Di-n-butylphthalate
 Concen: 8.386 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	257794		
150	8.6	7.7	11.5	
104	4.5	3.7	5.5	





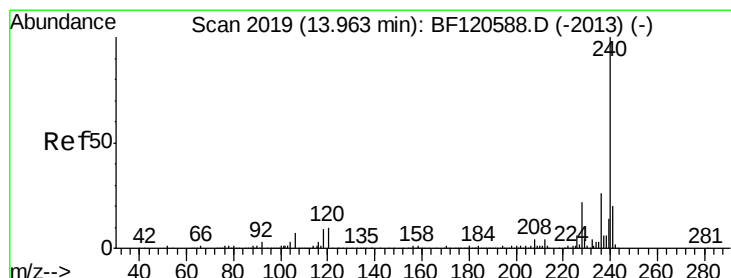
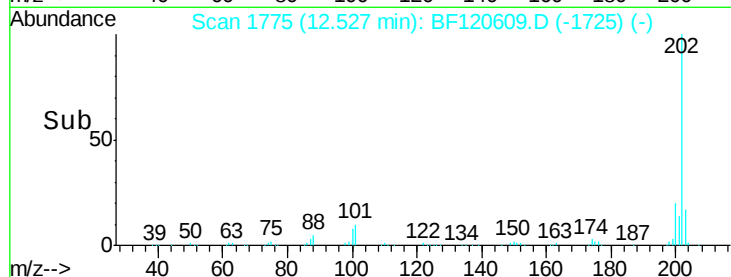
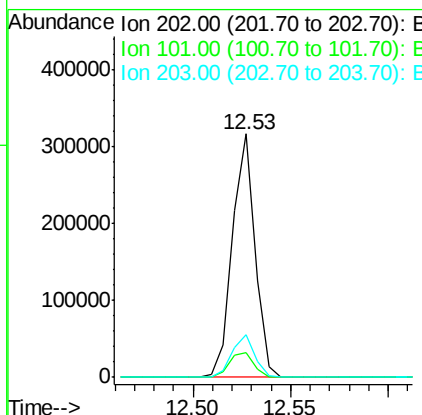
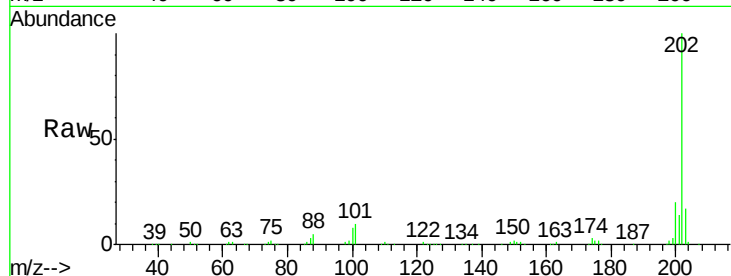
#75
 Fluoranthene
 Concen: 8.166 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.1	0.0	32.0
203	17.4	0.0	38.3

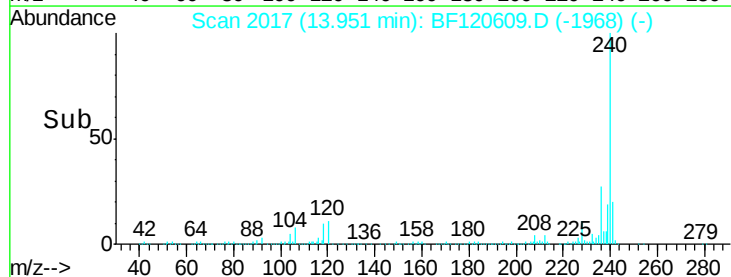
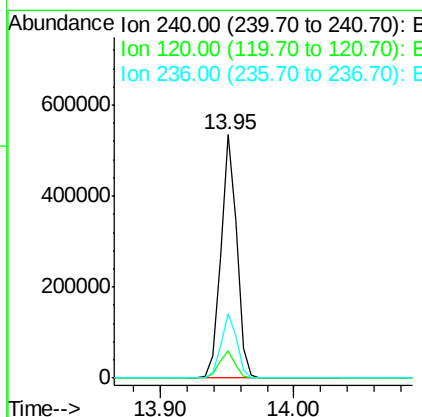
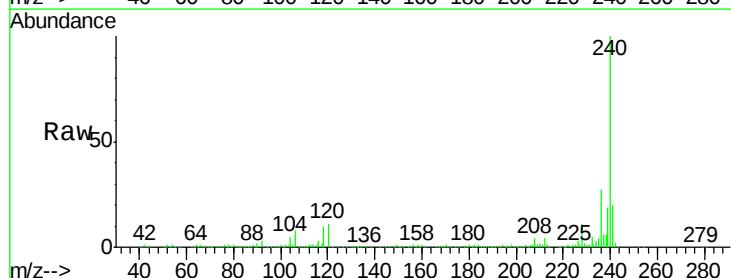
Manual Integrations
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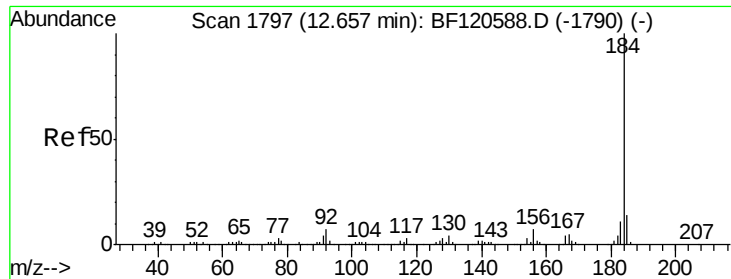
mohammad
 6/15/2020 8:46:47 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	8.3	12.5
236	26.6	21.0	31.4





#77

Benzidine

Concen: 8.782 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

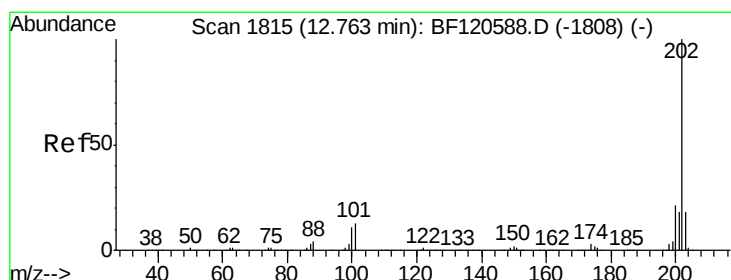
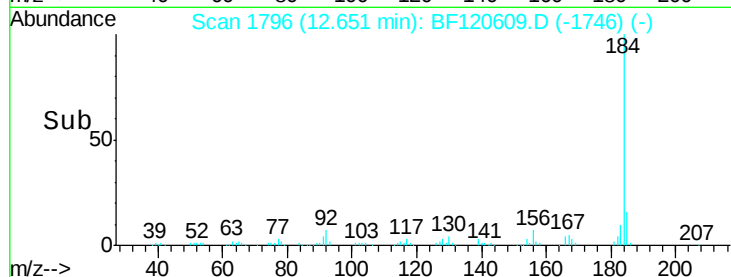
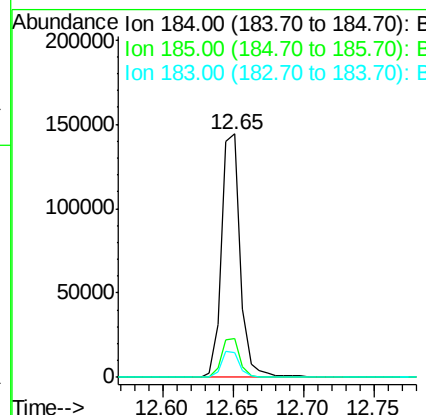
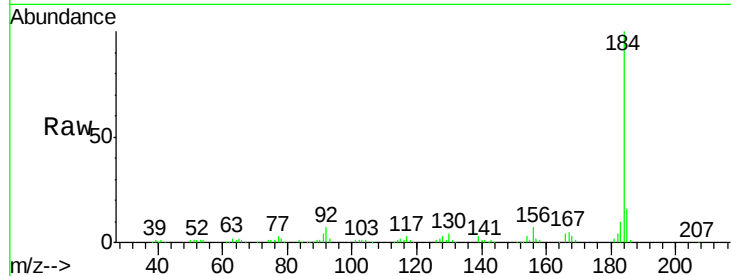
ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:	184	Resp:	133634
Ion Ratio	Lower	Upper	
184	100		
185	16.1	11.4	17.0
183	10.4	9.0	13.6

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#78

Pyrene

Concen: 8.385 ng

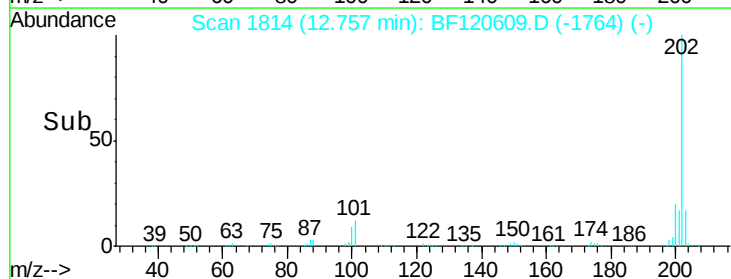
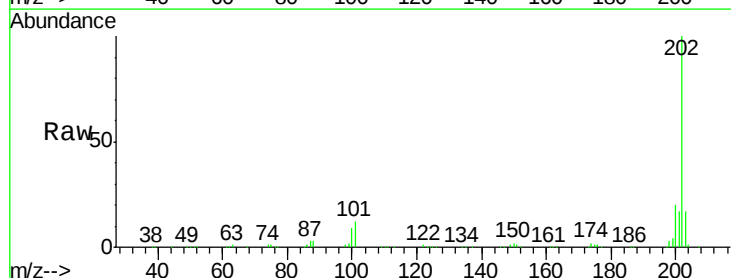
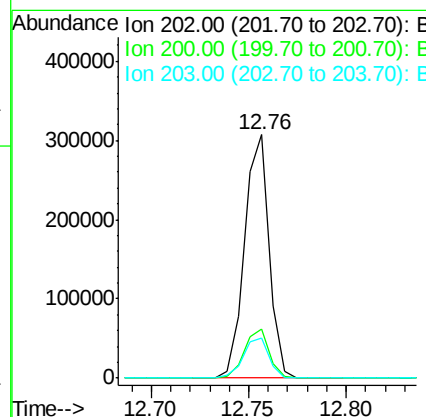
RT: 12.76 min Scan# 1814

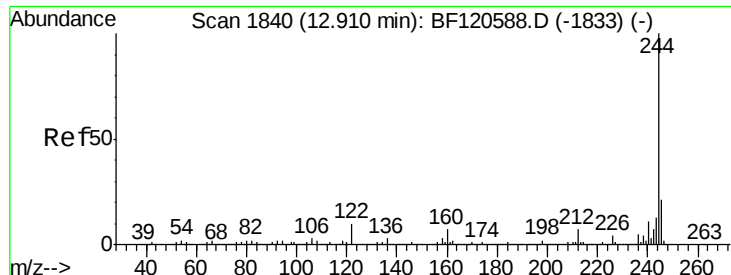
Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:	202	Resp:	267275
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.8	25.2
203	16.6	14.3	21.5





#79

Terphenyl-d14

Concen: 101.273 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:244 Resp: 2062912

Ion Ratio Lower Upper

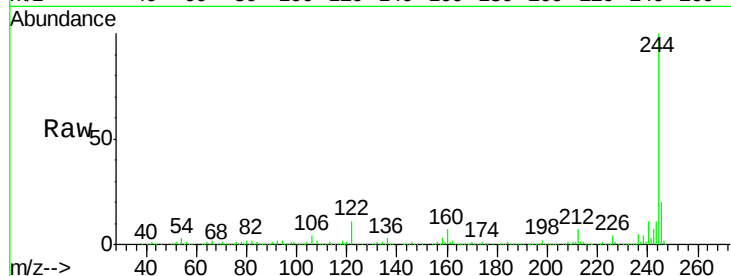
244 100

212 7.0 5.7 8.5

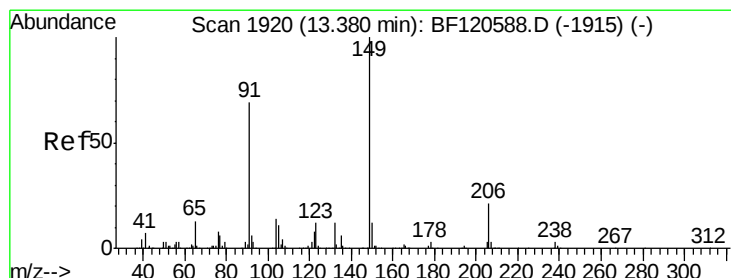
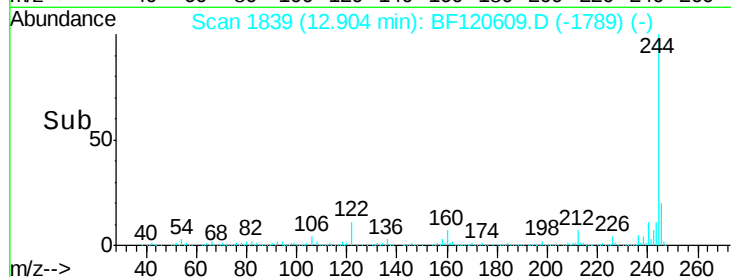
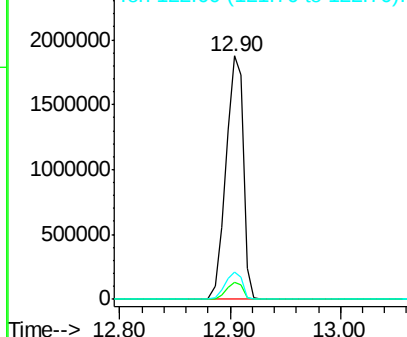
122 11.3 8.3 12.5

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.296 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

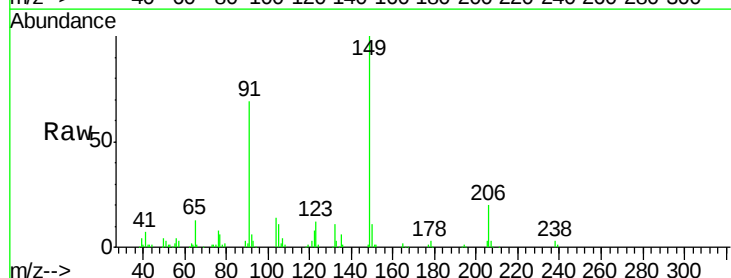
Tgt Ion:149 Resp: 103262

Ion Ratio Lower Upper

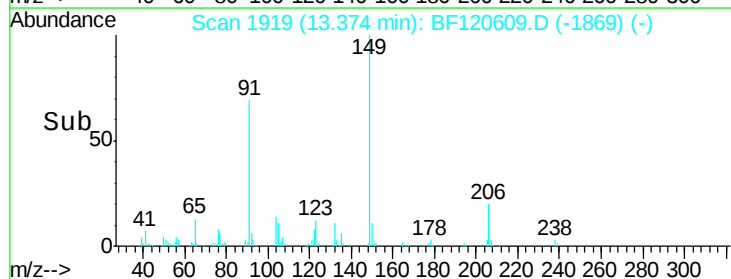
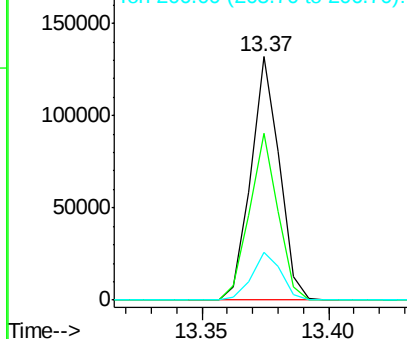
149 100

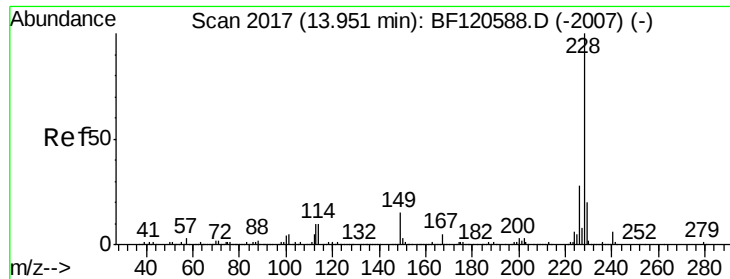
91 68.7 55.4 83.0

206 19.6 17.0 25.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





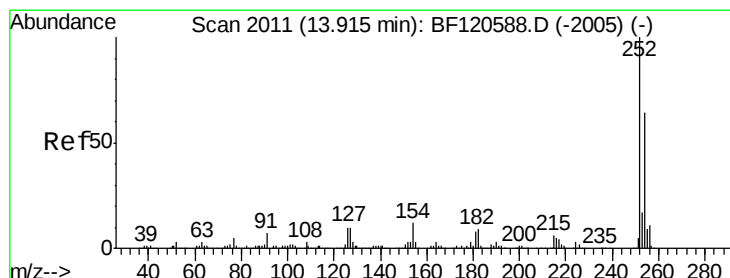
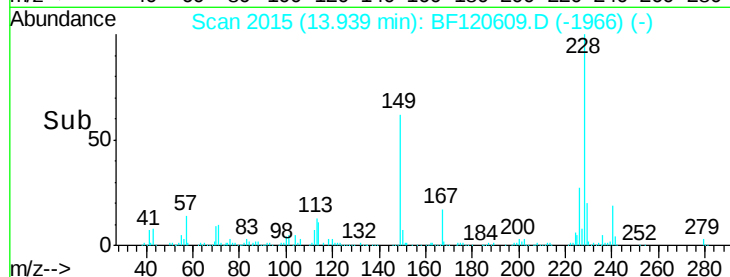
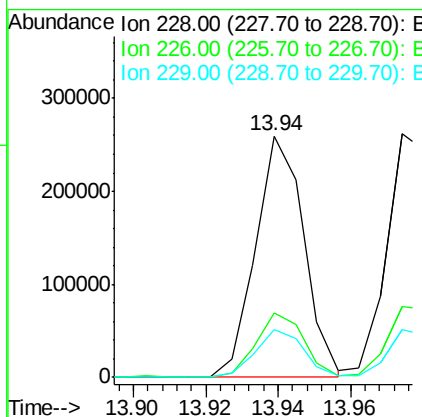
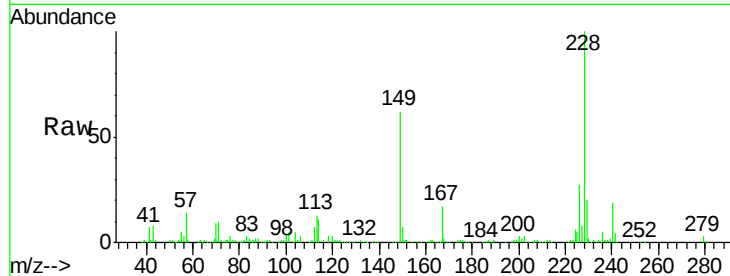
#81
Benzo(a)anthracene
Concen: 8.898 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
228	100	240538		
226	26.8		22.5	33.7
229	19.5		16.1	24.1

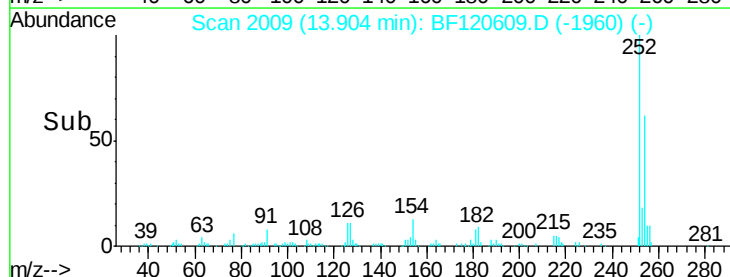
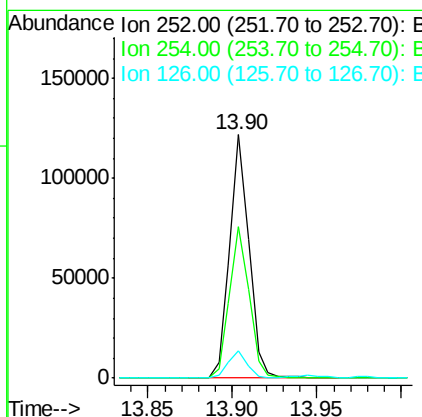
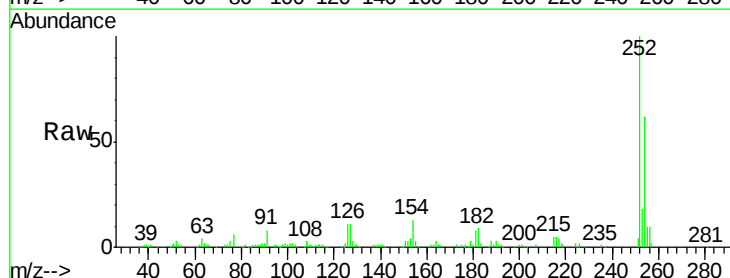
Manual Integrations
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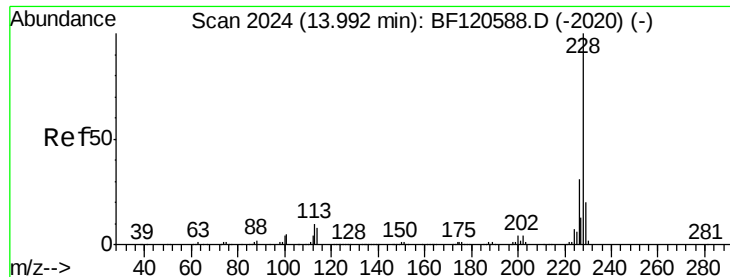
mohammad
6/15/2020 8:46:47 AM



#82
3,3'-Dichlorobenzidine
Concen: 9.421 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	97280		
254	62.1		51.4	77.2
126	11.2		7.9	11.9





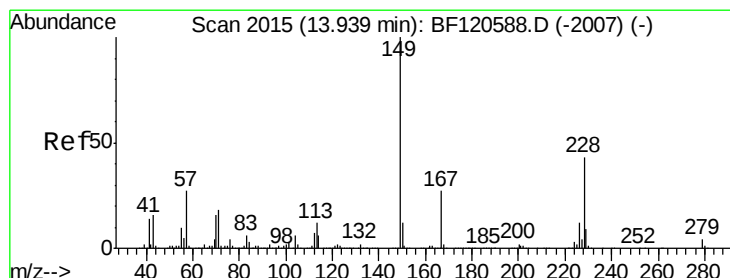
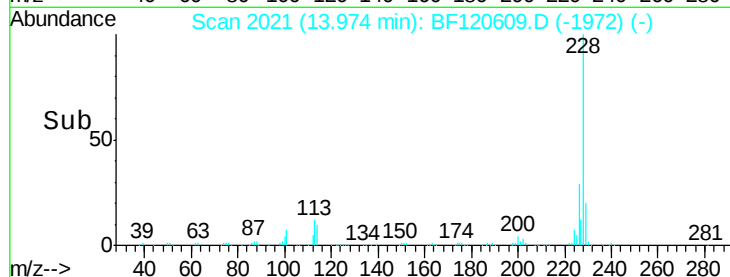
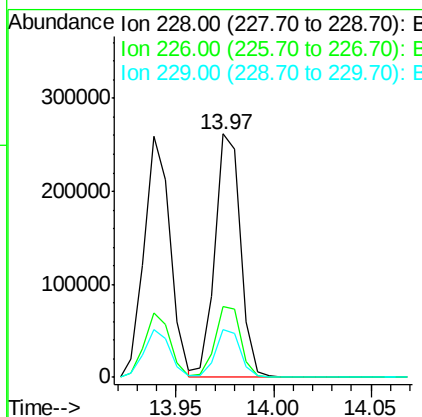
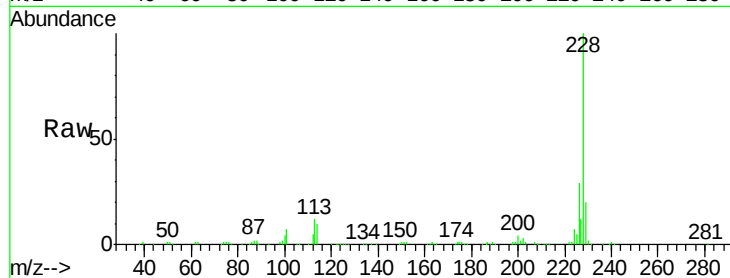
#83
Chrvsene
Concen: 8.581 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	19.7	16.1	24.1

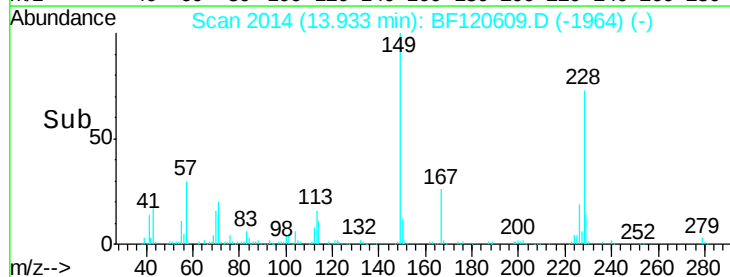
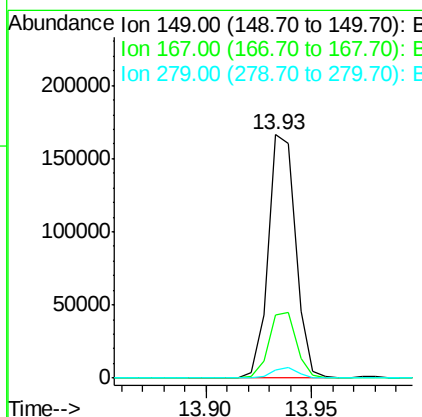
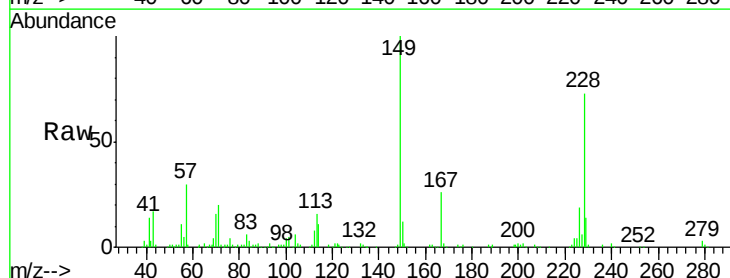
Manual Integrations
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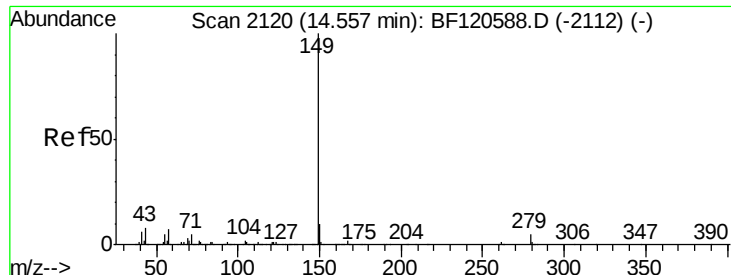
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 8.718 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	22.0	33.0
279	3.3	3.0	4.6





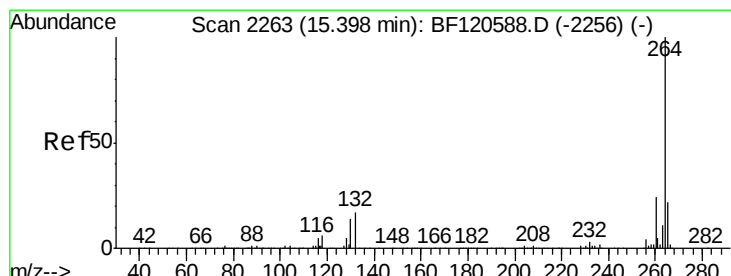
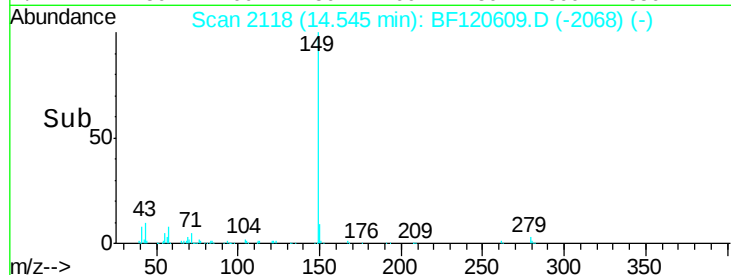
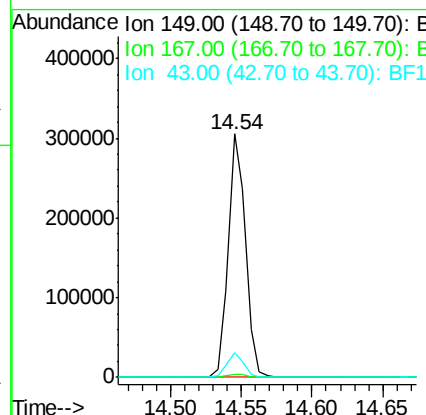
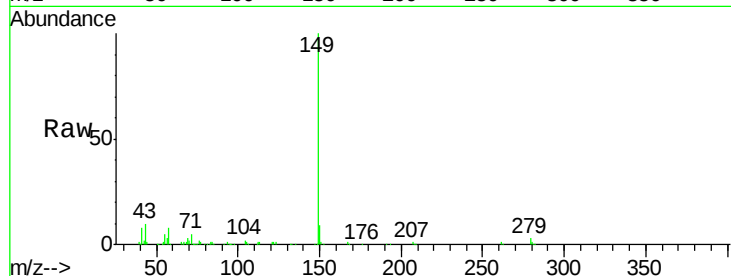
#85
Di-n-octyl phthalate
Concen: 7.857 ng
RT: 14.54 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	259029		
167	1.4		1.3	1.9
43	10.5		7.6	11.4

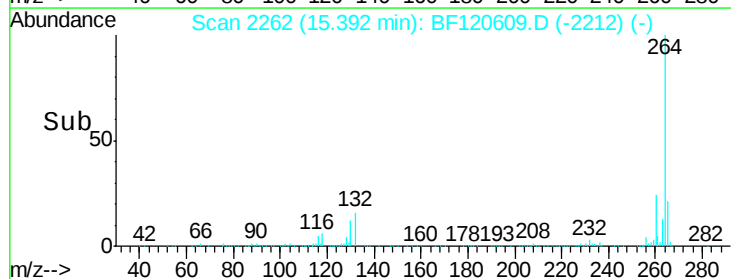
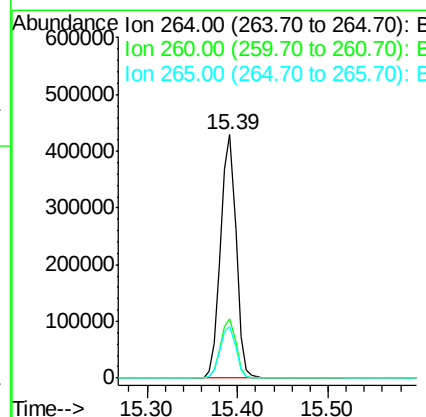
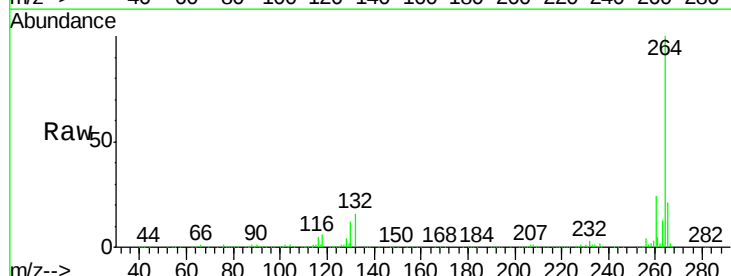
Manual Integrations
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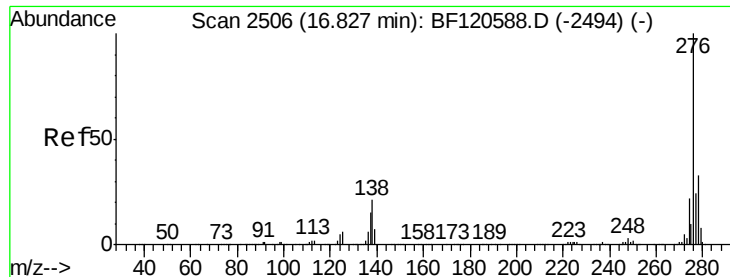
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	508558		
260	24.4		19.3	28.9
265	21.2		17.8	26.8





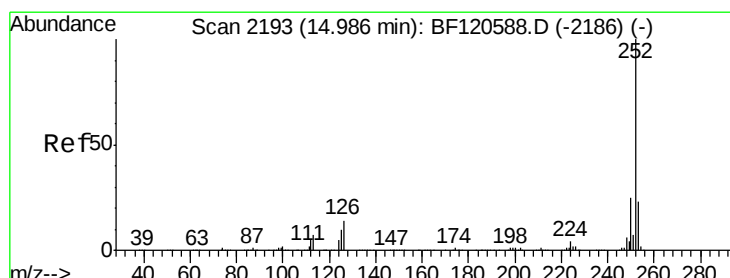
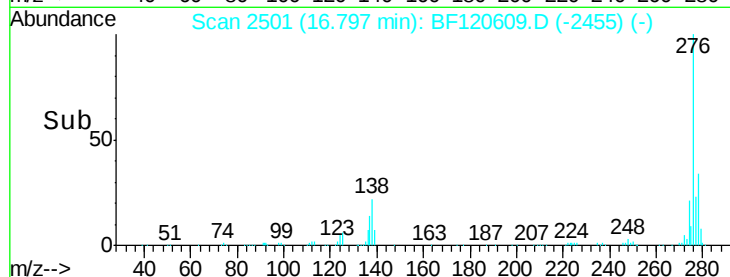
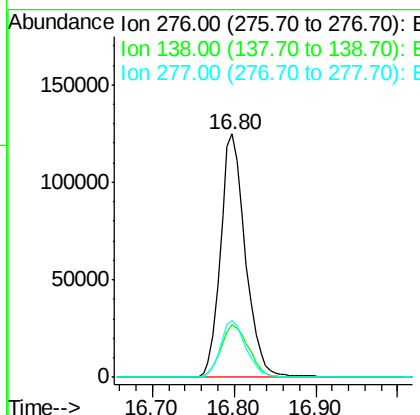
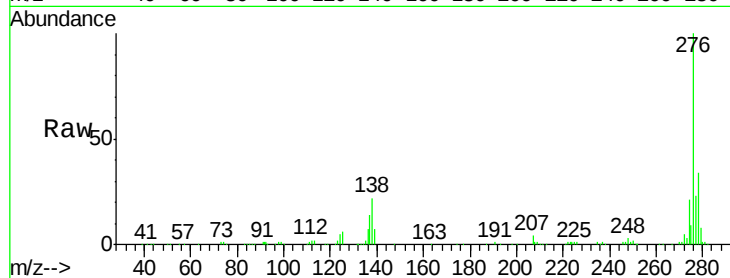
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.540 ng
 RT: 16.80 min Scan# 2501
 Delta R.T. -0.03 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
276	100	264196		
138	24.4	18.9	28.3	
277	24.2	20.2	30.2	

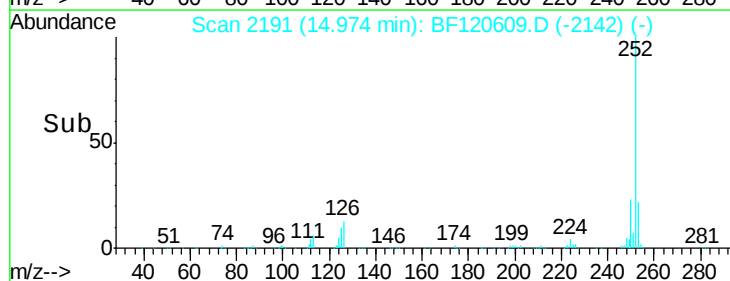
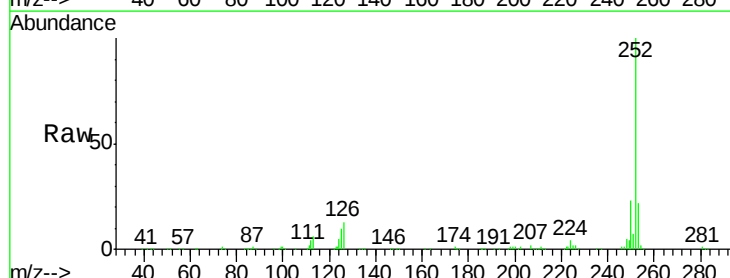
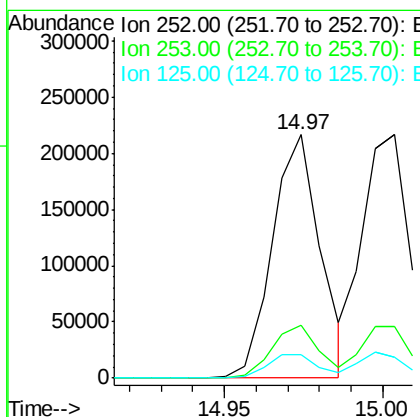
Manual Integrations
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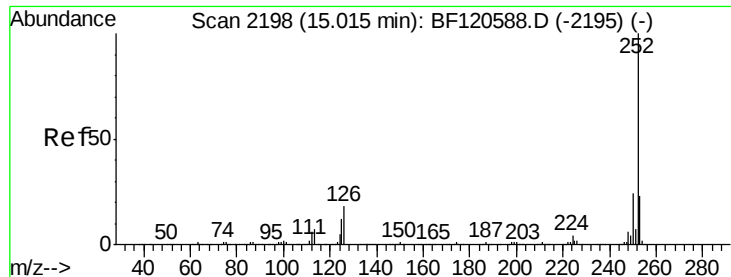
mohammad
 6/15/2020 8:46:47 AM



#88
 Benzo(b)fluoranthene
 Concen: 7.522 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	227878		
253	21.5	18.1	27.1	
125	9.5	8.3	12.5	





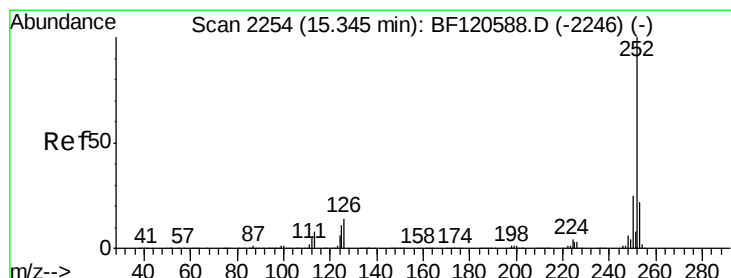
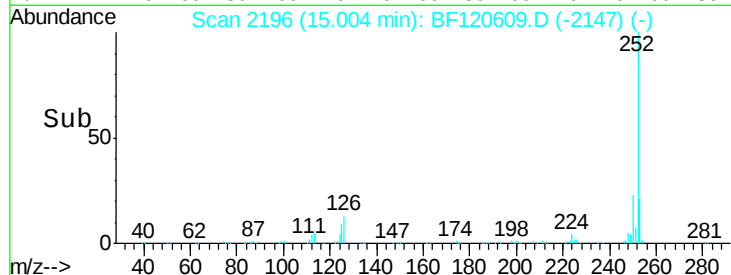
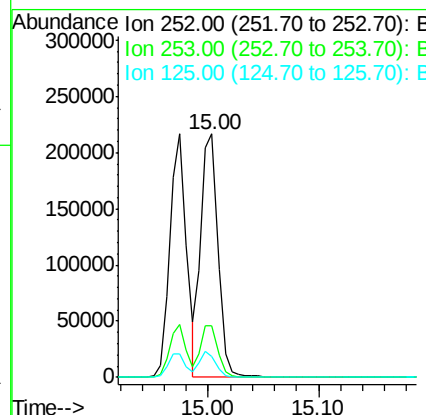
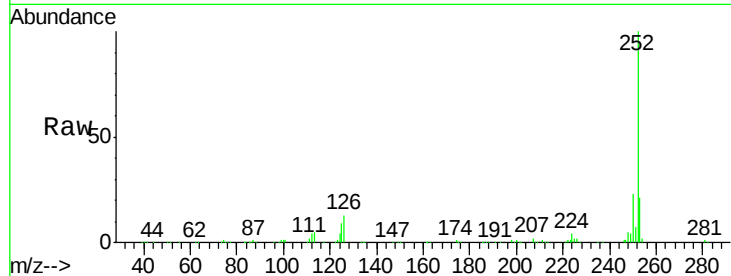
#89
Benzo(k)fluoranthene
Concen: 8.580 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	8.8	8.3	12.5

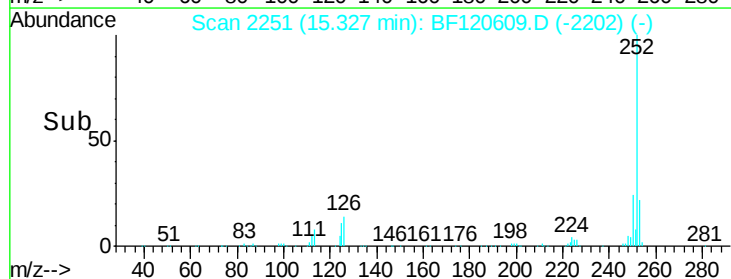
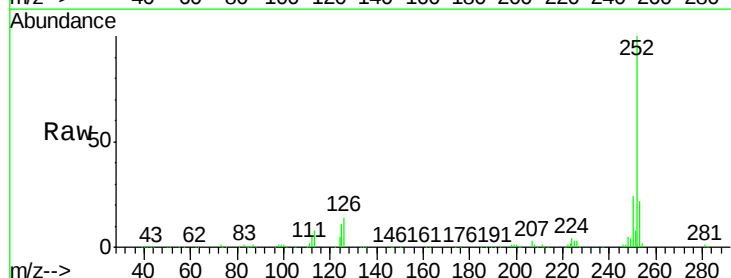
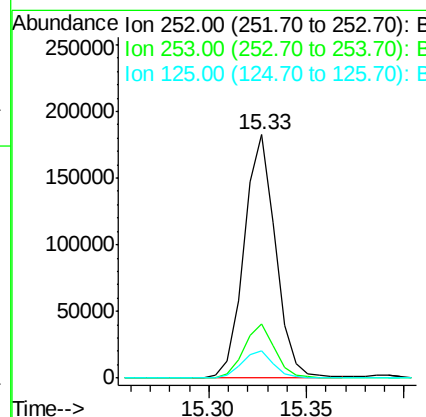
Manual Integrations
APPROVED

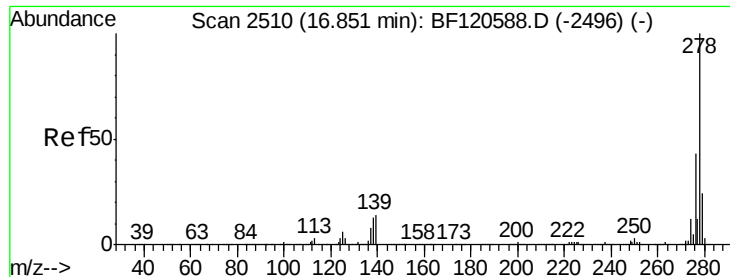
mohammad
6/15/2020 8:46:47 AM



#90
Benzo(a)pyrene
Concen: 7.512 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	11.2	8.6	12.8





#91

Dibenzo(a,h)anthracene

Concen: 8.828 ng

RT: 16.82 min Scan# 2504

Delta R.T. -0.03 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

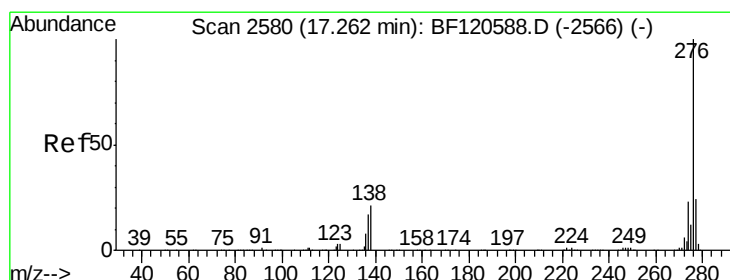
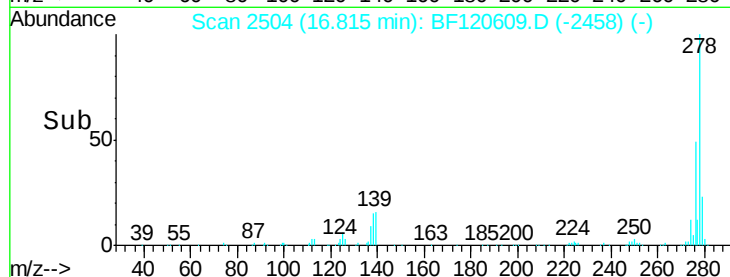
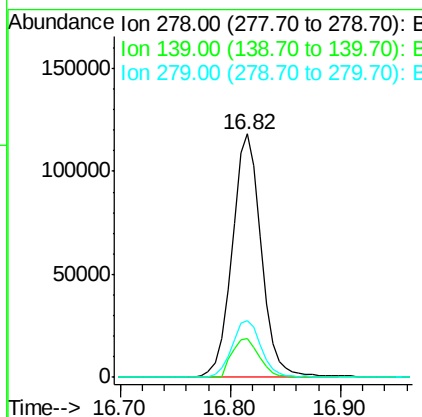
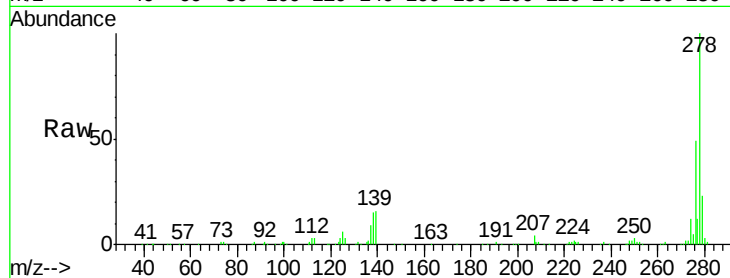
ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:	278	Resp:	219001
Ion Ratio	Lower	Upper	
278	100		
139	15.8	11.4	17.2
279	23.1	19.1	28.7

Manual Integrations
APPROVED

mohammad
6/15/2020 8:46:47 AM



#92

Benzo(g,h,i)perylene

Concen: 8.818 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.03 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:	276	Resp:	220480
Ion Ratio	Lower	Upper	
276	100		
277	23.0	19.6	29.4
138	20.1	16.5	24.7

