

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
 Data File : BF120600.D
 Acq On : 11 Jun 2020 14:01
 Operator : JU/CG
 Sample : L1161-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations
 APPROVED

mohammad
 6/15/2020 8:42:47 AM

Quant Time: Jun 11 14:35:59 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 14:06:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	143890	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	526893	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	274027	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	525190	20.00	ng	0.00
76) Chrysene-d12	13.96	240	424206	20.00	ng	0.00
86) Perylene-d12	15.39	264	485365	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1232699	146.88	ng	0.00
7) Phenol-d6	6.44	99	1542792	147.59	ng	0.00
23) Nitrobenzene-d5	7.36	82	986018	104.60	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	473894	148.75	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1755810	98.03	ng	0.00
79) Terphenyl-d14	12.91	244	1961275	102.13	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	30481	7.663	ng	99
3) Pyridine	3.27	79	61893	5.535	ng	94
4) n-Nitrosodimethylamine	3.15	42	34722	7.482	ng	# 96
6) Aniline	6.46	93	112121	8.381	ng	98
8) 2-Chlorophenol	6.59	128	74966	7.904	ng	98
9) Benzaldehyde	6.35	77	64347	9.732	ng	99
10) Phenol	6.45	94	97659	8.756	ng	98
11) bis(2-Chloroethyl)ether	6.54	93	73441	7.906	ng	96
12) 1,3-Dichlorobenzene	6.74	146	82057	8.138	ng	98
13) 1,4-Dichlorobenzene	6.82	146	82854	8.329	ng	98
14) 1,2-Dichlorobenzene	6.97	146	77508	7.998	ng	97
15) Benzyl Alcohol	6.93	79	73416	9.904	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.07	45	108358	8.101	ng	100
17) 2-Methylphenol	7.05	107	60831	7.520	ng	98
18) Hexachloroethane	7.31	117	29563	8.065	ng	93
19) n-Nitroso-di-n-propylamine	7.20	70	52044	8.583	ng	97
20) 3+4-Methylphenols	7.20	107	77875	7.704	ng	# 79
22) Acetophenone	7.20	105	110195	9.355	ng	# 97
24) Nitrobenzene	7.38	77	81488	8.261	ng	96
25) Isophorone	7.62	82	142679	7.770	ng	95
26) 2-Nitrophenol	7.70	139	35342	6.772	ng	94
27) 2,4-Dimethylphenol	7.73	122	54797	7.132	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	90919	8.542	ng	98
29) 2,4-Dichlorophenol	7.94	162	60297	7.720	ng	97
30) 1,2,4-Trichlorobenzene	8.02	180	69924	8.078	ng	99
31) Naphthalene	8.10	128	226731	8.763	ng	99
32) Benzoic acid	7.80	122	21038	3.569	ng	94
33) 4-Chloroaniline	8.15	127	91115	7.673	ng	99
34) Hexachlorobutadiene	8.22	225	40322	7.992	ng	99
35) Caprolactam	8.48	113	20124	8.056	ng	# 78
36) 4-Chloro-3-methylphenol	8.63	107	61369	7.865	ng	98
37) 2-Methylnaphthalene	8.79	142	151877	8.992	ng	99
38) 1-Methylnaphthalene	8.89	142	140599	8.847	ng	97
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	72499	8.861	ng	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	28363	6.186	ng	97
43) 2,4,6-Trichlorophenol	9.07	196	43000	7.408	ng	97
44) 2,4,5-Trichlorophenol	9.11	196	45985	6.983	ng	97
46) 1,1'-Biphenyl	9.26	154	191826	9.375	ng	98
47) 2-Chloronaphthalene	9.28	162	139697	8.349	ng	100
48) 2-Nitroaniline	9.37	65	38162	7.262	ng	100
49) Acenaphthylene	9.69	152	225508	8.733	ng	98
50) Dimethylphthalate	9.55	163	159402	8.077	ng	98
51) 2,6-Dinitrotoluene	9.62	165	32148	7.188	ng	96
52) Acenaphthene	9.87	154	136419	8.858	ng	99
53) 3-Nitroaniline	9.78	138	36126	6.725	ng	98
54) 2,4-Dinitrophenol	9.89	184	8416	3.510	ng	94
55) Dibenzofuran	10.04	168	204622	8.665	ng	99
56) 4-Nitrophenol	9.95	139	24170	5.974	ng	98
57) 2,4-Dinitrotoluene	10.02	165	41797	7.043	ng	92
58) Fluorene	10.38	166	156114	8.576	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	37060	7.154	ng	97
60) Diethylphthalate	10.25	149	157616	8.109	ng	98
61) 4-Chlorophenyl-phenylether	10.37	204	78855	8.388	ng	94
62) 4-Nitroaniline	10.39	138	36804	6.901	ng	100
63) Azobenzene	10.53	77	151051	8.561	ng	96
65) 4,6-Dinitro-2-methylphenol	10.42	198	16323	5.180	ng	88
66) n-Nitrosodiphenylamine	10.49	169	136837	8.484	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	46269	7.763	ng	97
68) Hexachlorobenzene	10.93	284	52978	8.267	ng	100
69) Atrazine	11.02	200	44461	8.909	ng	97
70) Pentachlorophenol	11.12	266	17770	4.988	ng	99
71) Phenanthrene	11.34	178	228508	8.753	ng	99
72) Anthracene	11.39	178	232693	8.843	ng	98
73) Carbazole	11.55	167	210051	8.064	ng	100
74) Di-n-butylphthalate	11.88	149	249194	8.509	ng	99
75) Fluoranthene	12.53	202	246829	8.269	ng	99
77) Benzidine	12.65	184	130491m	9.096	ng	
78) Pyrene	12.76	202	260040	8.653	ng	98
80) Butylbenzylphthalate	13.38	149	100447	7.527	ng	96
81) Benzo(a)anthracene	13.94	228	238583	9.361	ng	98
82) 3,3'-Dichlorobenzidine	13.91	252	91332	9.382	ng	100
83) Chrysene	13.98	228	230432	8.815	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	151479	9.302	ng	99
85) Di-n-octyl phthalate	14.55	149	250311	8.054	ng	98
87) Indeno(1,2,3-cd)pyrene	16.80	276	258541	8.757	ng	98
88) Benzo(b)fluoranthene	14.97	252	231124	7.994	ng	98
89) Benzo(k)fluoranthene	15.00	252	217326	8.495	ng	98
90) Benzo(a)pyrene	15.33	252	201290	7.779	ng	100
91) Dibenzo(a,h)anthracene	16.82	278	219642	9.277	ng	98
92) Benzo(g,h,i)perylene	17.23	276	217589	9.118	ng	99

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

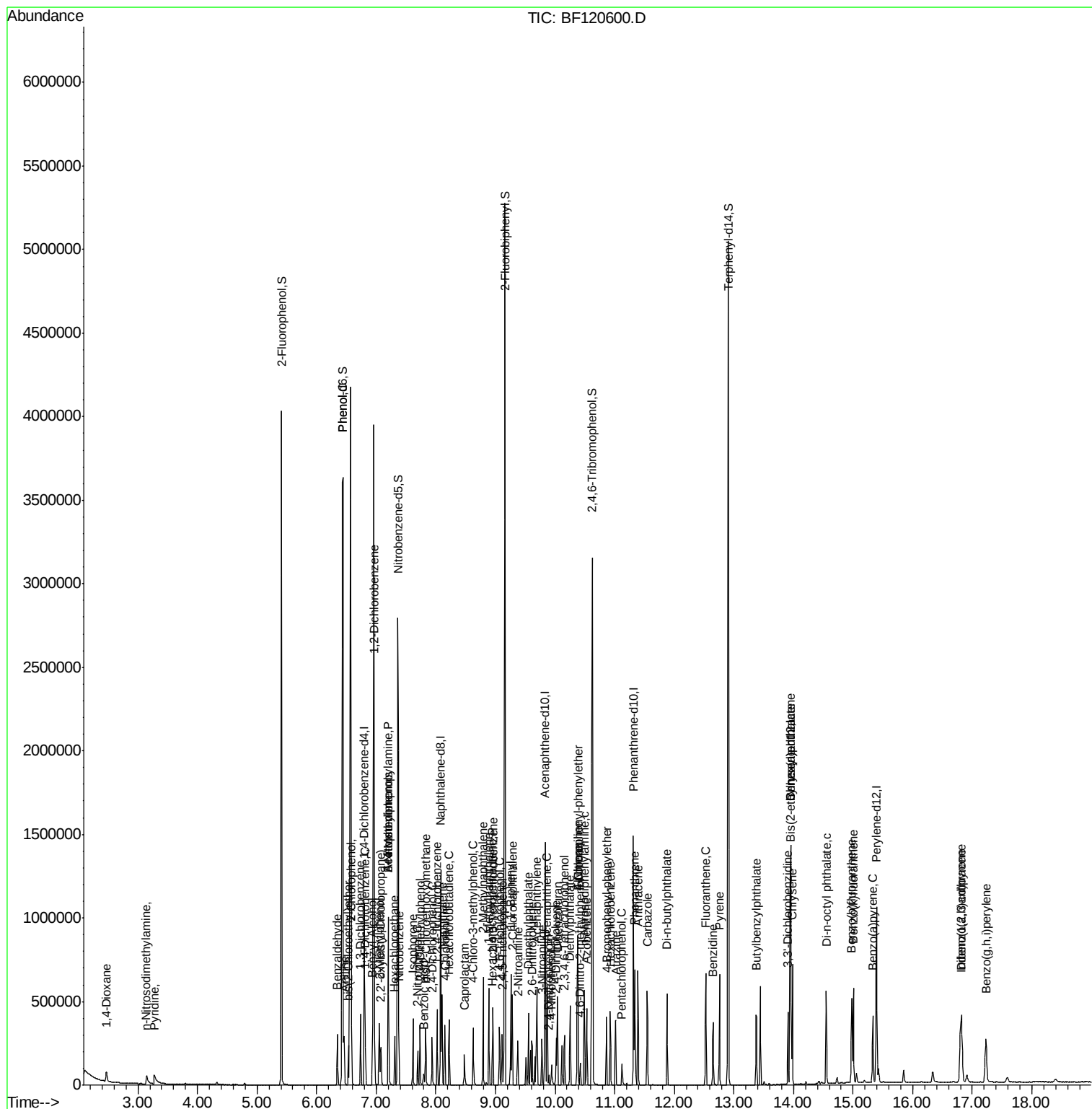
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
Data File : BF120600.D
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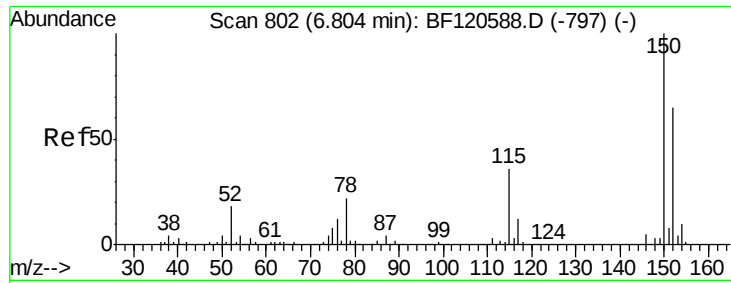
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

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6/15/2020 8:42:47 AM

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#1

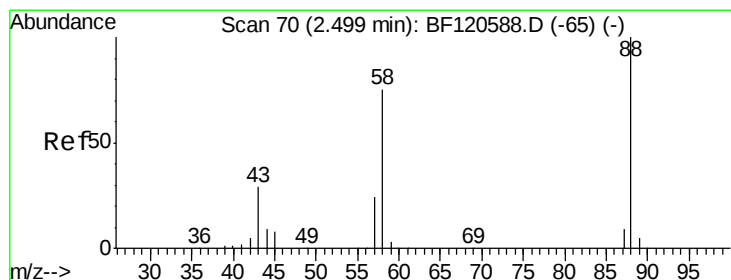
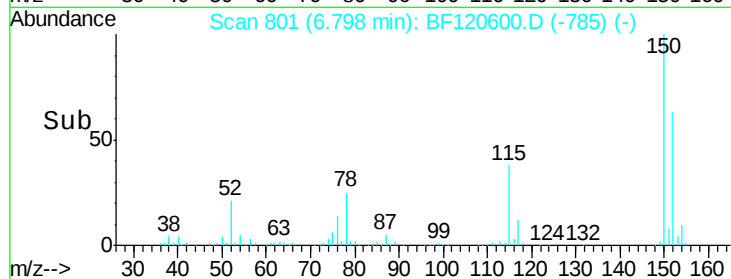
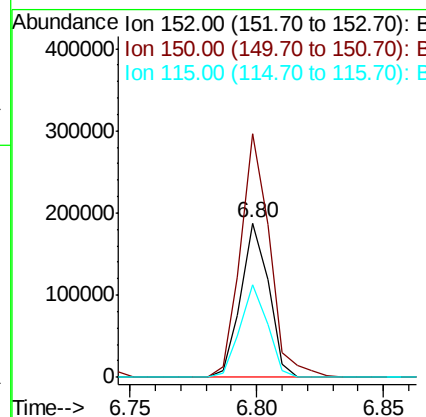
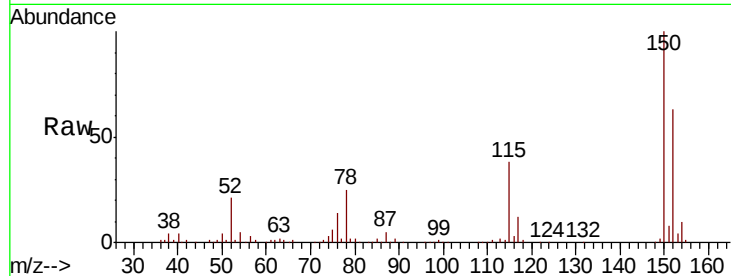
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.2	184.8
115	59.6	43.9	65.9

Manual Integrations
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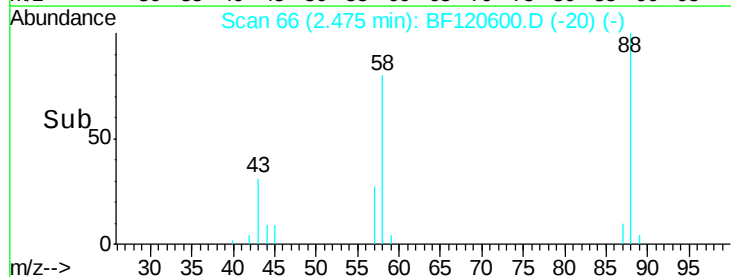
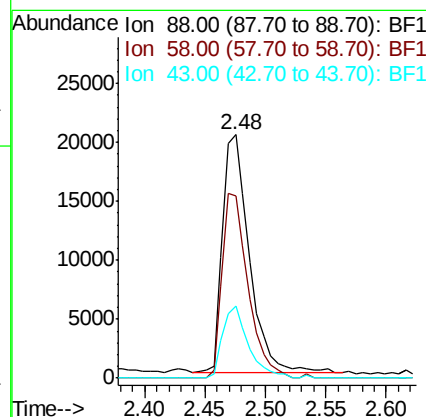
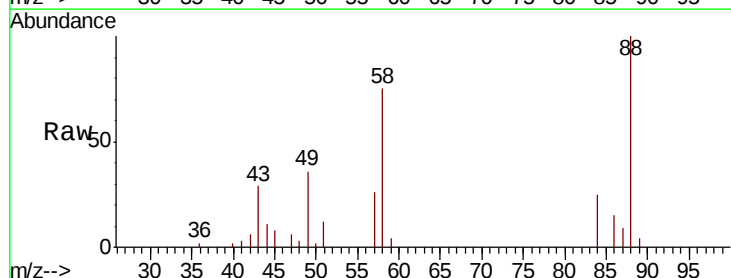
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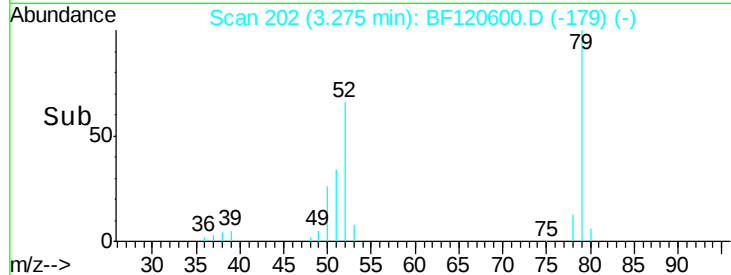
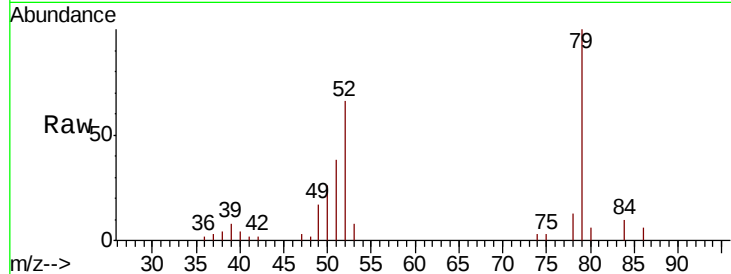
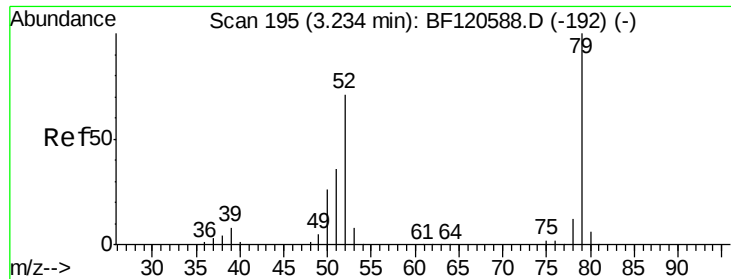


#2

1,4-Dioxane
Concen: 7.663 ng
RT: 2.48 min Scan# 66
Delta R.T. -0.03 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.8	59.6	89.4
43	29.3	23.1	34.7





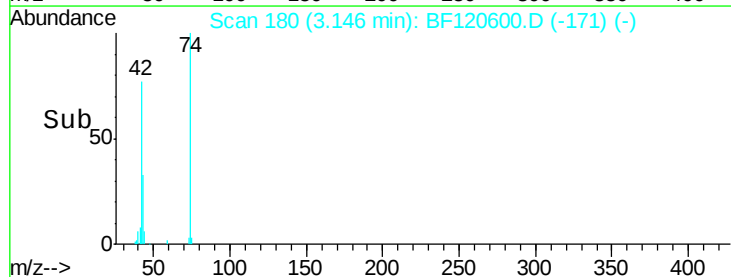
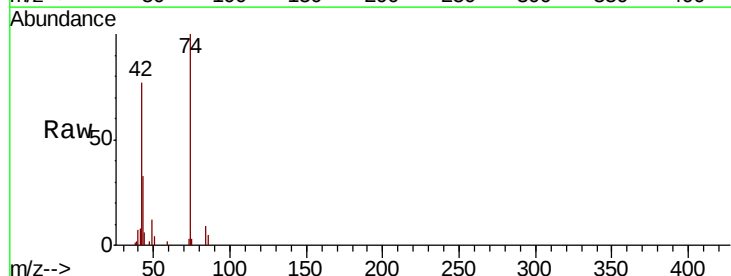
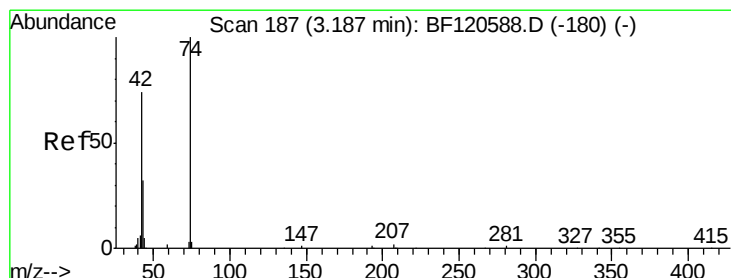
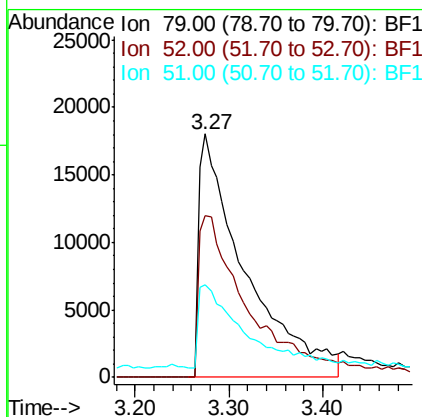
#3
 Pvridine
 Concen: 5.535 ng
 RT: 3.27 min Scan# 202
 Delta R.T. 0.04 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tot Ion:	79	Resp:	61893
Ion	Ratio	Lower	Upper
79	100		
52	66.2	57.0	85.6
51	38.2	28.5	42.7

Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

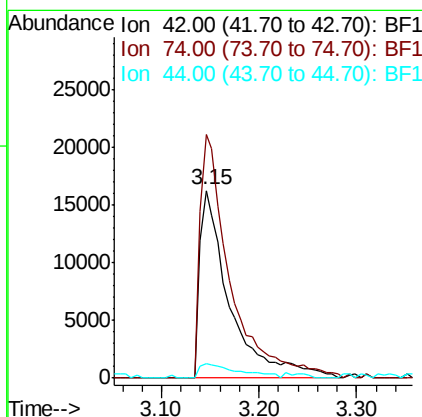
Manual Integrations
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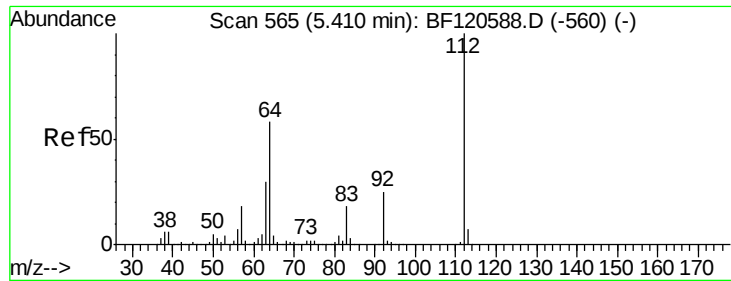
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#4
 n-Nitrosodimethylamine
 Concen: 7.482 ng
 RT: 3.15 min Scan# 180
 Delta R.T. -0.05 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion:	42	Resp:	34722
Ion	Ratio	Lower	Upper
42	100		
74	129.7	107.8	161.6
44	7.9	5.1	7.7#





#5

2-Fluorophenol

Concen: 146.876 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 112 Resp: 1232699

Ion Ratio Lower Upper

112 100

64 57.9 46.1 69.1

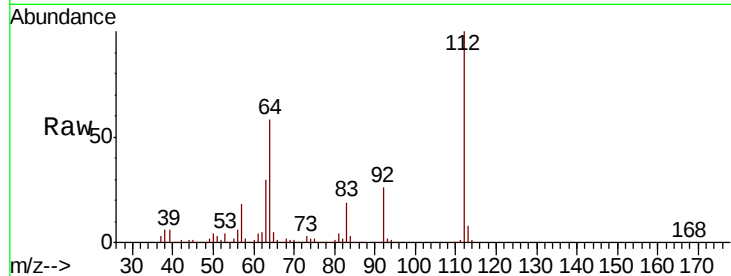
63 30.1 23.7 35.5

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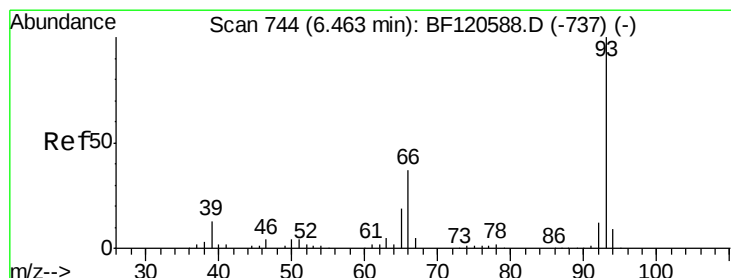
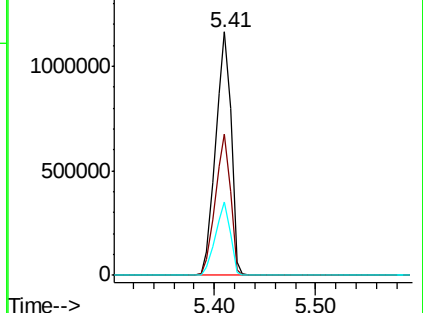
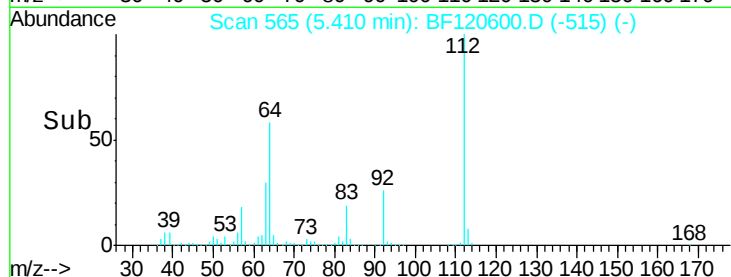
6/15/2020 8:42:47 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.381 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

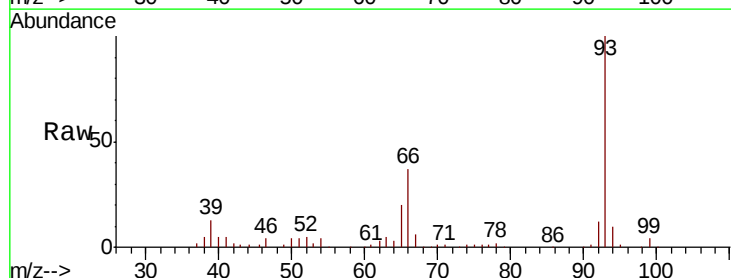
Tgt Ion: 93 Resp: 112121

Ion Ratio Lower Upper

93 100

66 36.8 30.9 46.3

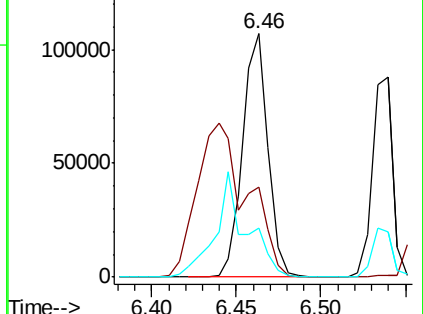
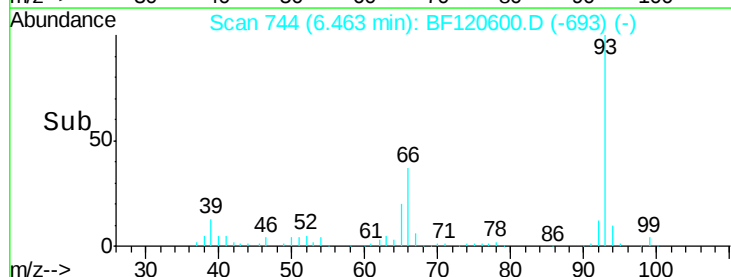
65 20.1 15.9 23.9

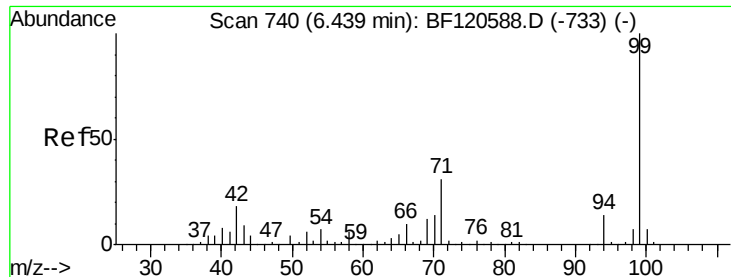


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 147.591 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 99 Resp: 1542792

Ion Ratio Lower Upper

99 100

42 17.8 14.0 21.0

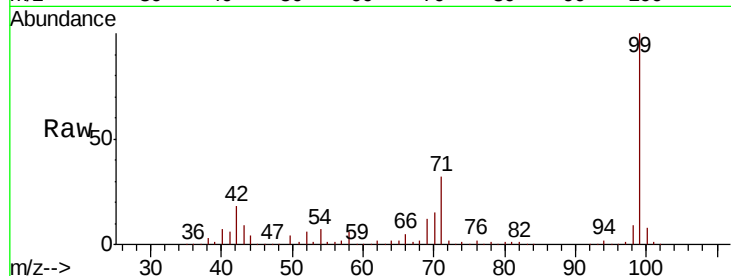
71 31.5 24.9 37.3

Manual Integrations

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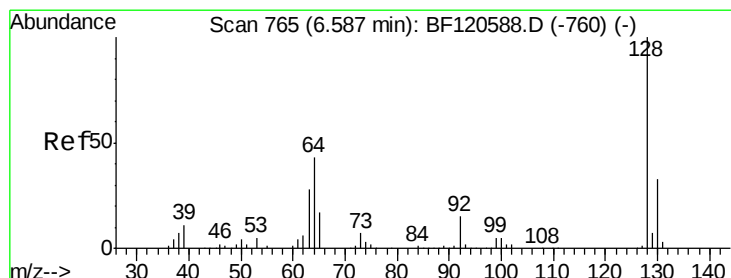
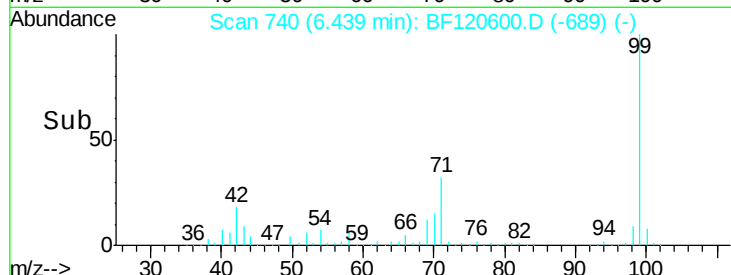
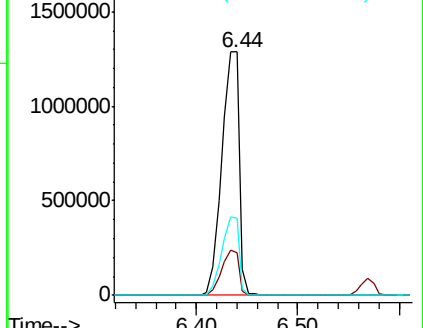
6/15/2020 8:42:47 AM



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: 7.904 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

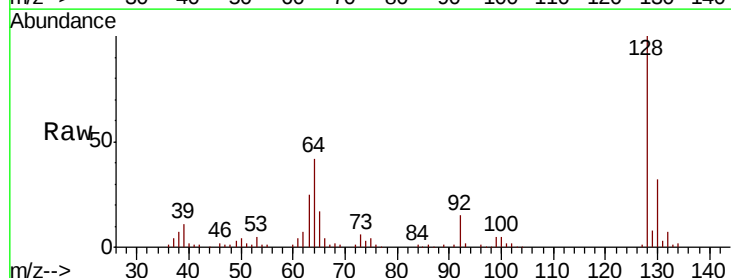
Tgt Ion:128 Resp: 74966

Ion Ratio Lower Upper

128 100

130 31.9 12.6 52.6

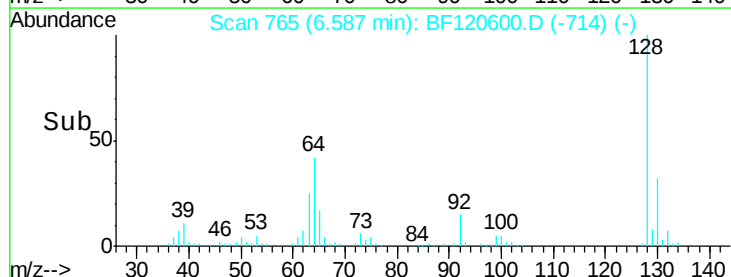
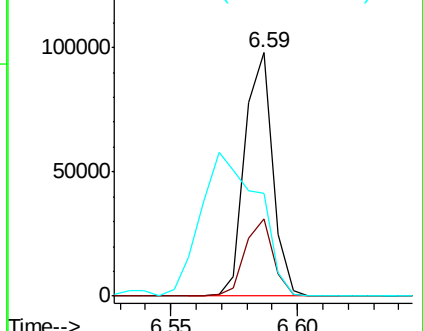
64 42.4 24.3 64.3

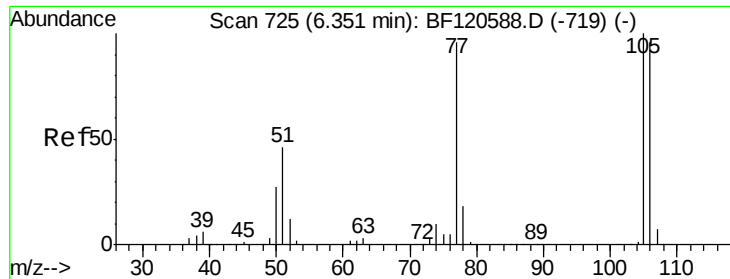


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





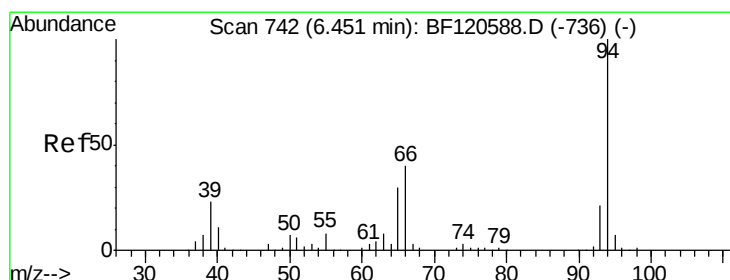
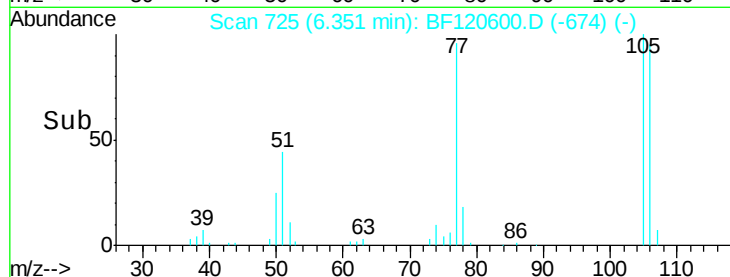
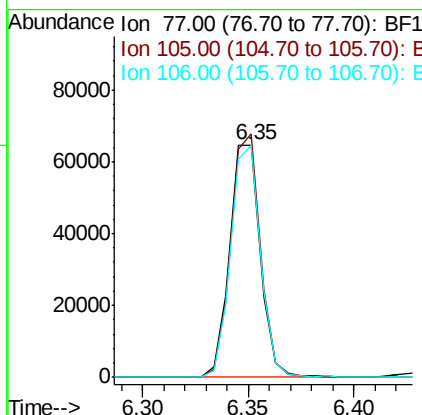
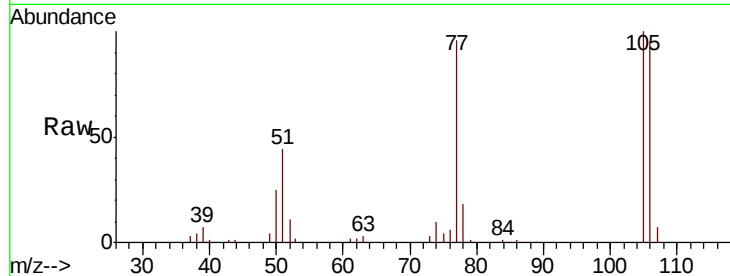
#9
Benzaldehyde
Concen: 9.732 ng
RT: 6.35 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
77	100		
105	104.6	83.8	123.8
106	99.9	79.3	119.3

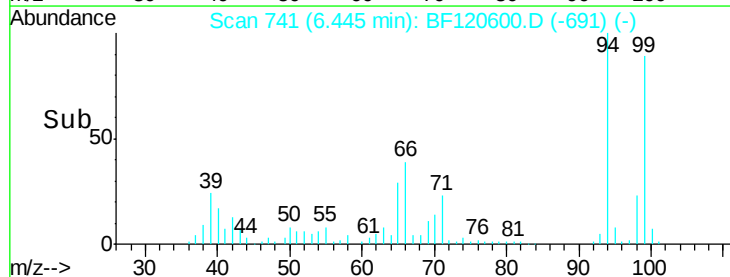
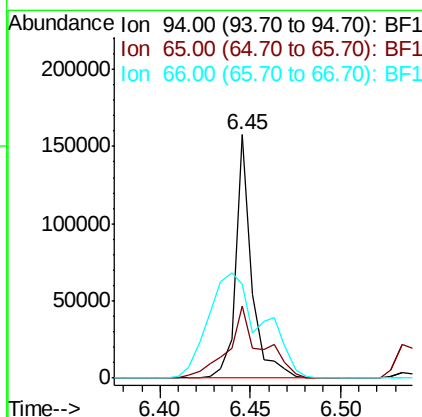
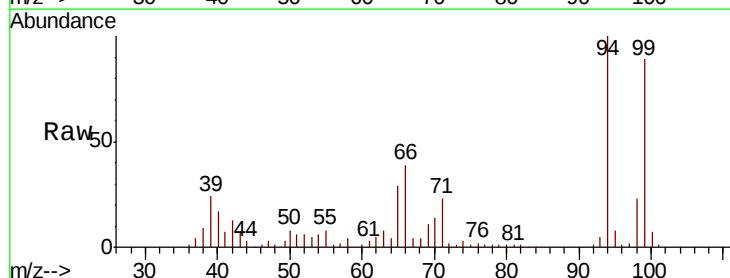
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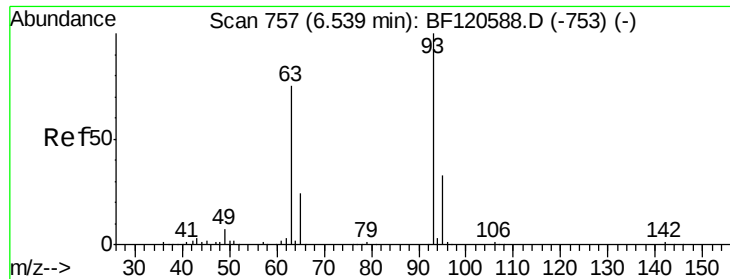
mohammad
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#10
Phenol
Concen: 8.756 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.9	49.9
66	38.8	20.1	60.1





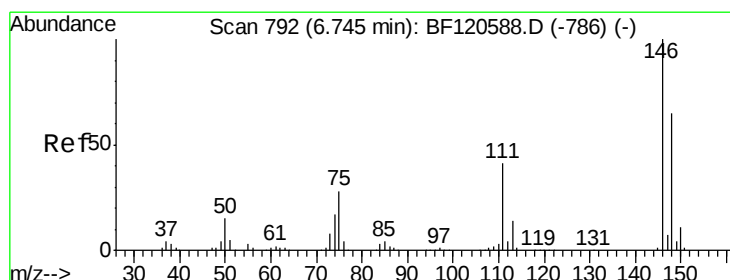
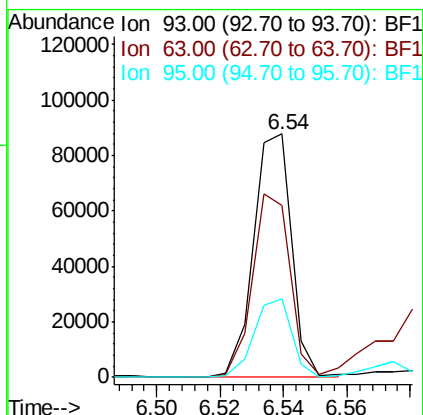
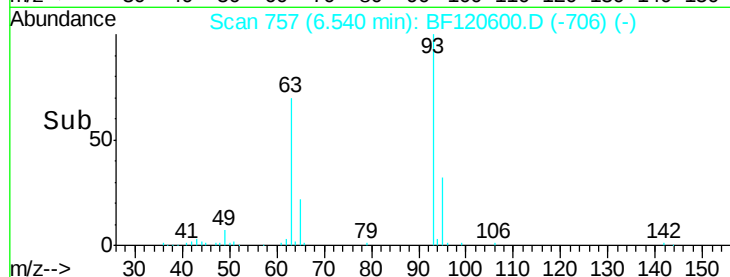
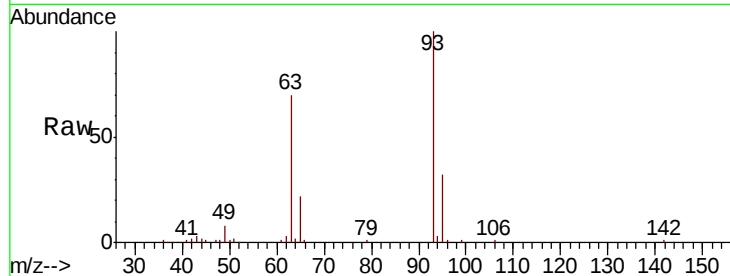
#11
bis(2-Chloroethyl)ether
Concen: 7.906 ng
RT: 6.54 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	93	Resp:	73441
Ion	Ratio	Lower	Upper
93	100		
63	70.4	54.4	94.4
95	32.1	12.9	52.9

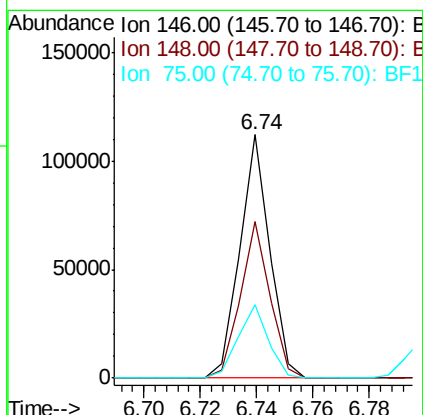
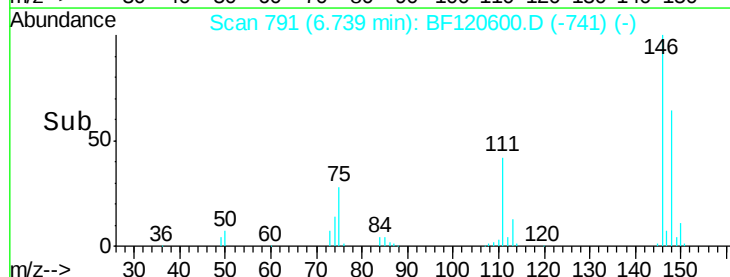
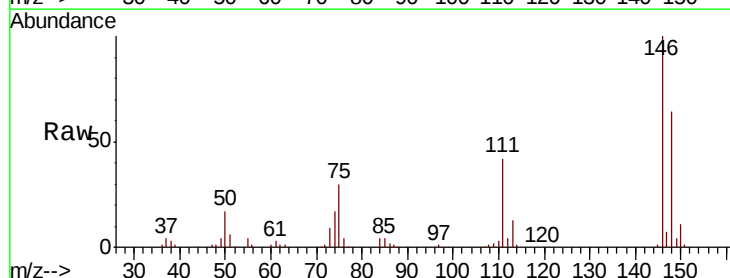
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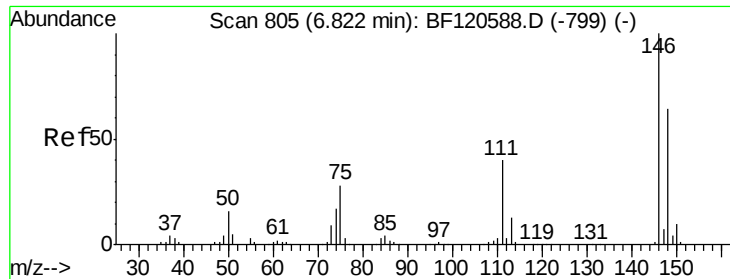
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#12
1,3-Dichlorobenzene
Concen: 8.138 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:	146	Resp:	82057
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.6
75	30.0	22.2	33.4





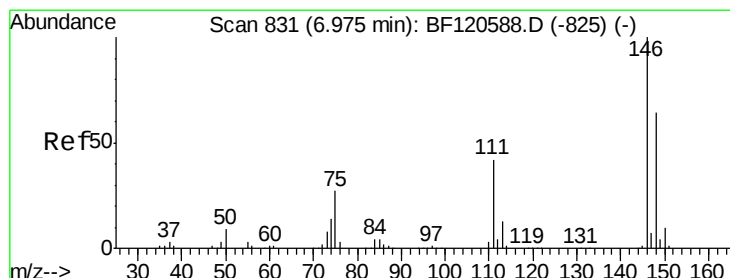
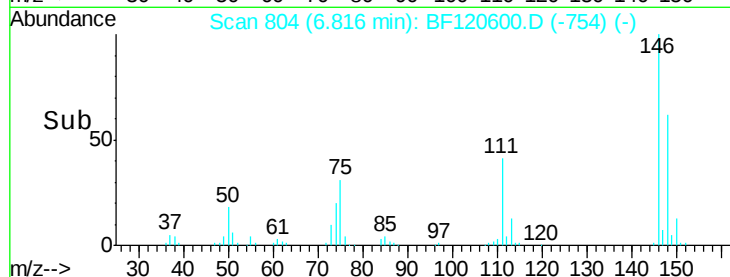
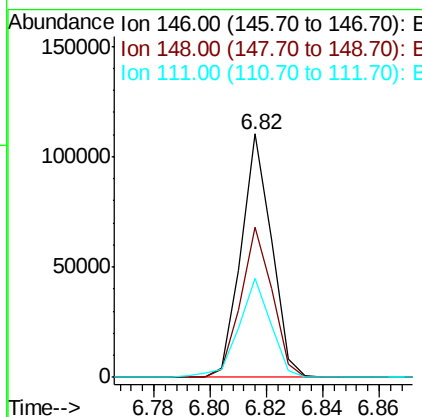
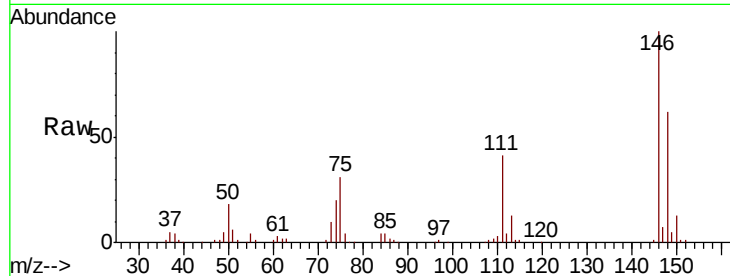
#13
1,4-Dichlorobenzene
Concen: 8.329 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.5	77.3
111	40.9	32.2	48.4

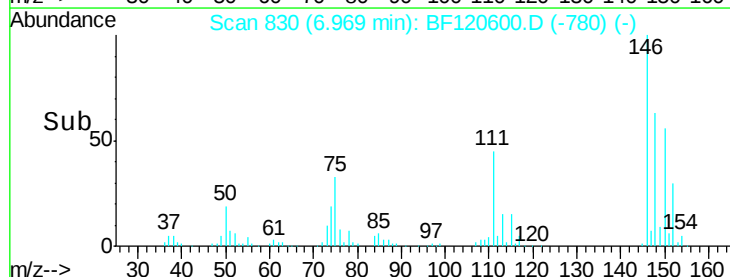
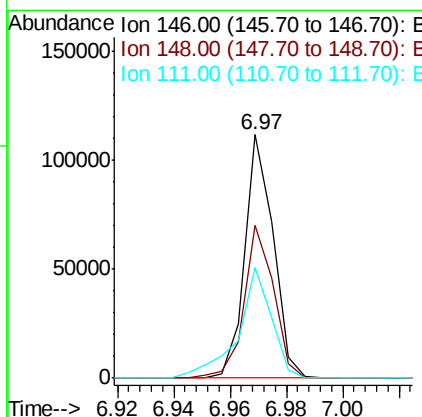
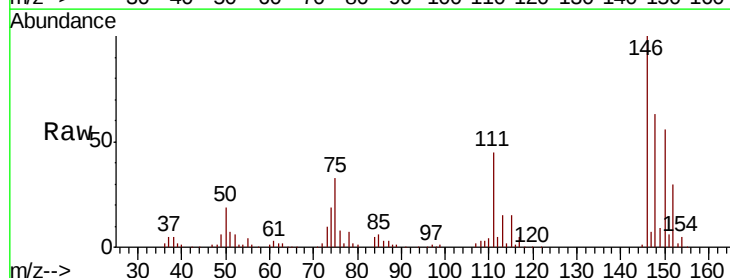
Manual Integrations
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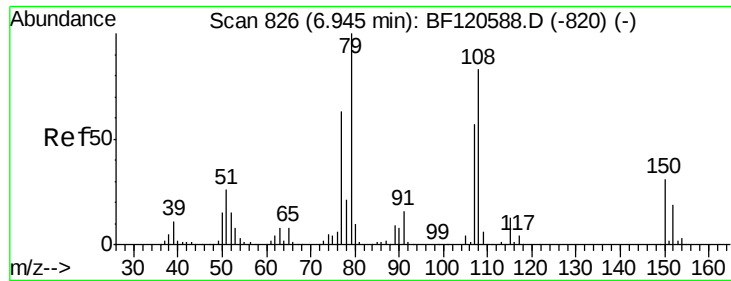
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#14
1,2-Dichlorobenzene
Concen: 7.998 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.8	76.2
111	45.4	33.6	50.4





#15

Benzyl Alcohol

Concen: 9.904 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

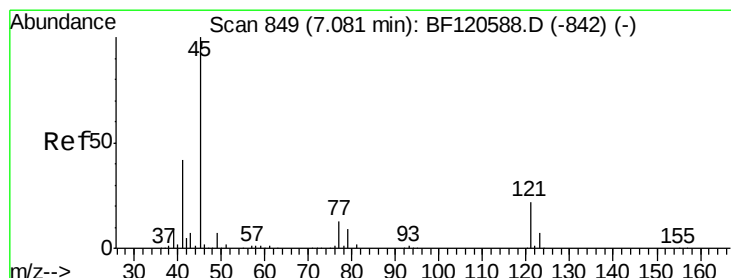
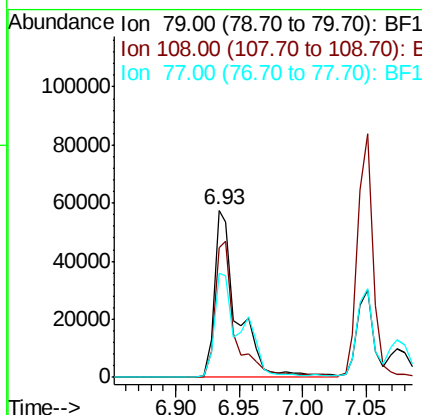
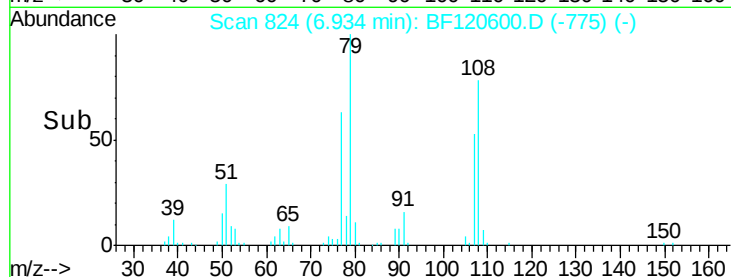
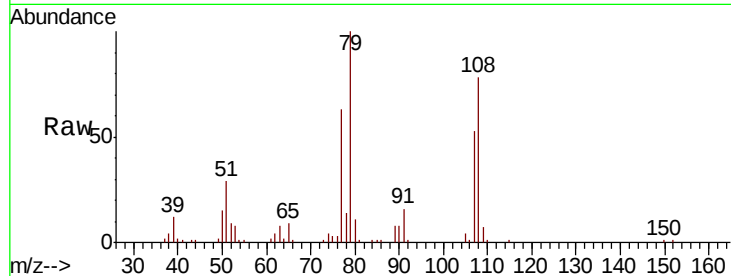
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	79	Resp:	73416
Ion Ratio	Lower	Upper	
79	100		
108	78.0	66.8	100.2
77	62.5	50.6	76.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 8.101 ng

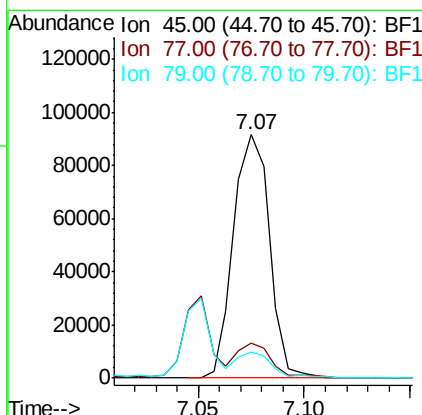
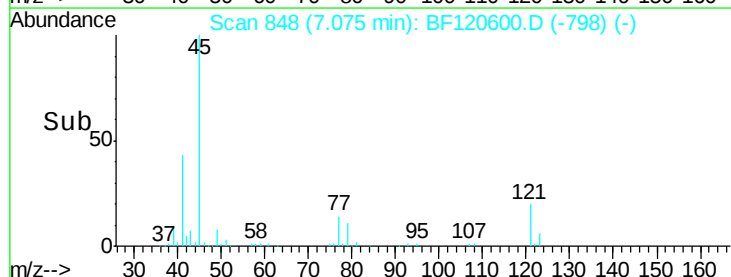
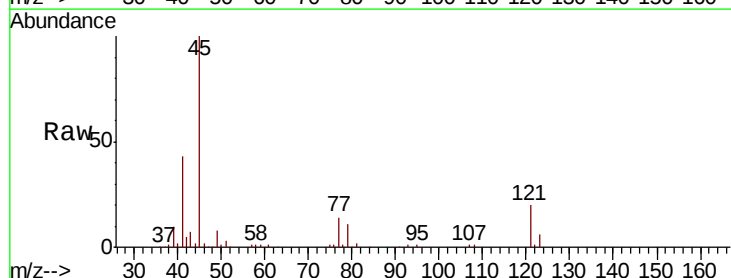
RT: 7.07 min Scan# 848

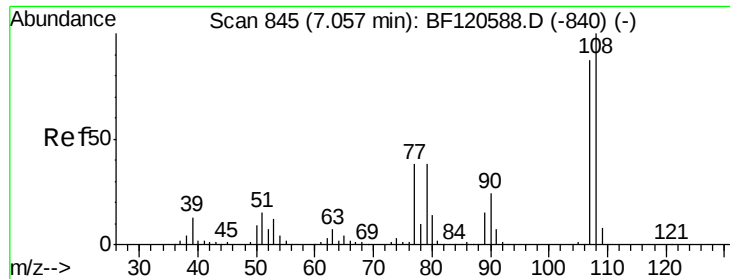
Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Tgt Ion:	45	Resp:	108358
Ion Ratio	Lower	Upper	
45	100		
77	14.2	0.0	34.2
79	10.5	0.0	30.9





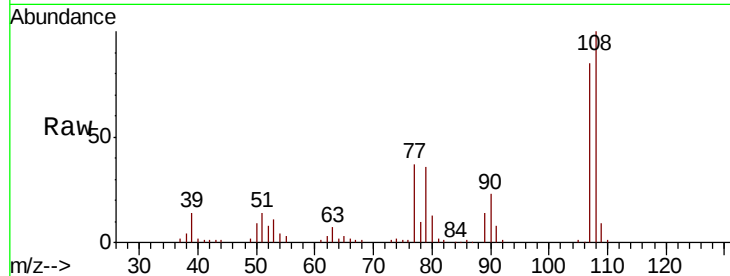
#17
2-Methylphenol
Concen: 7.520 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	107	Resp:	60831
Ion	Ratio	Lower	Upper
107	100		
108	117.6	91.9	137.9
77	43.2	35.4	53.2
79	42.0	34.8	52.2

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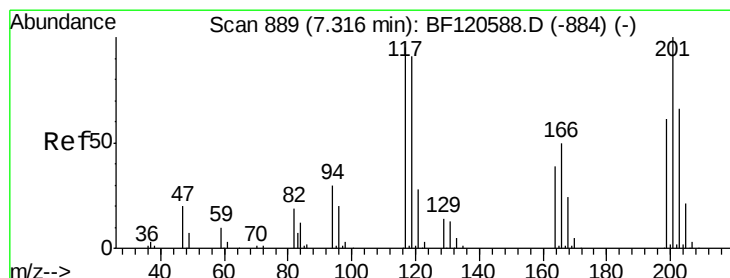
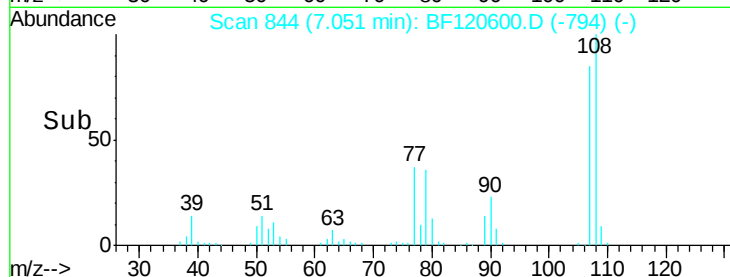
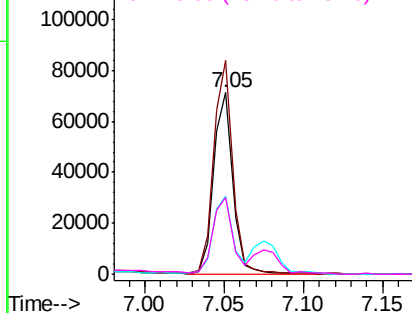
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

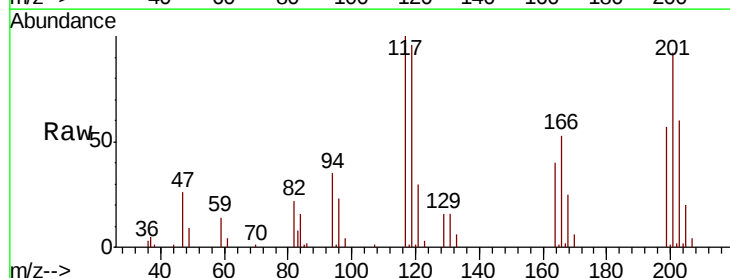
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 8.065 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:	117	Resp:	29563
Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.9	115.3
201	91.6	84.6	127.0

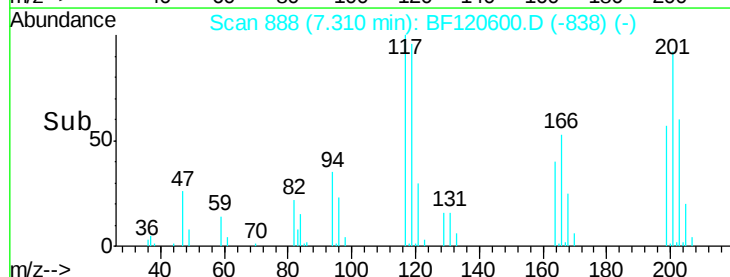
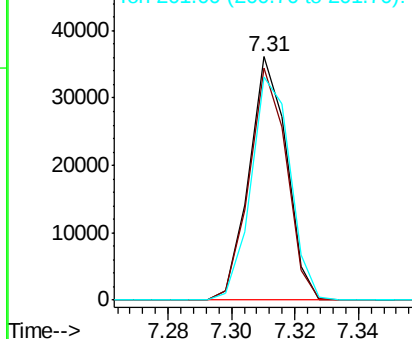


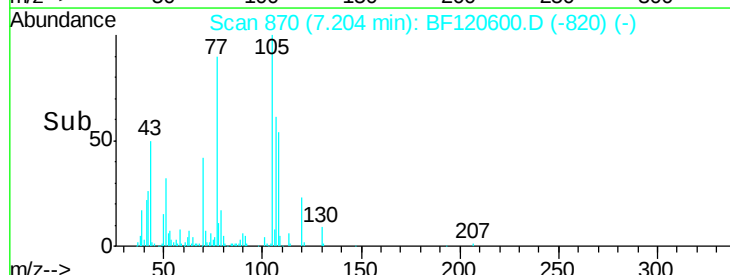
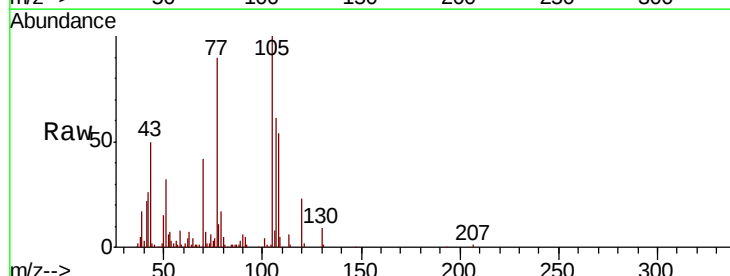
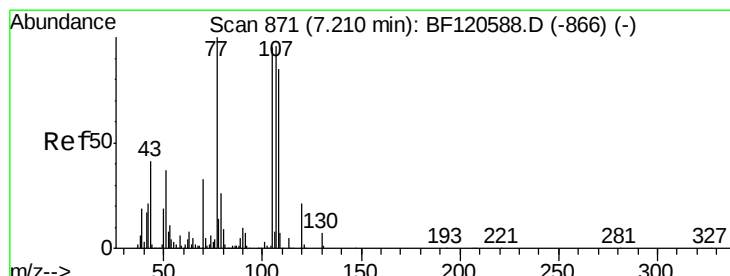
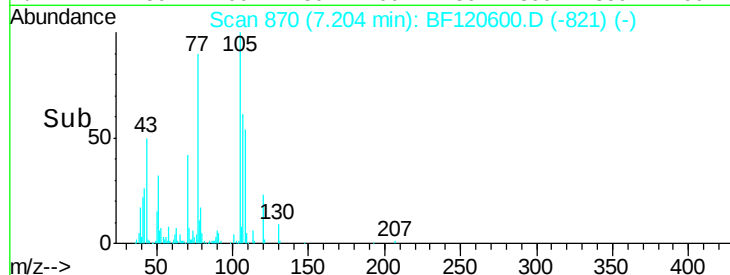
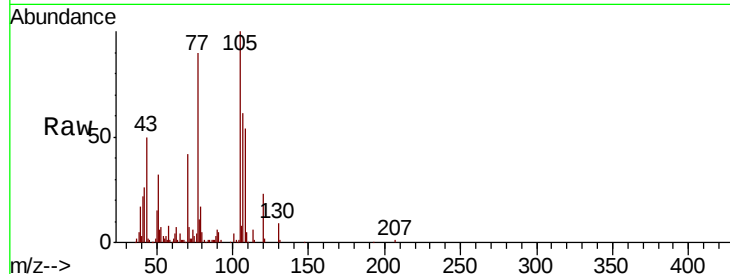
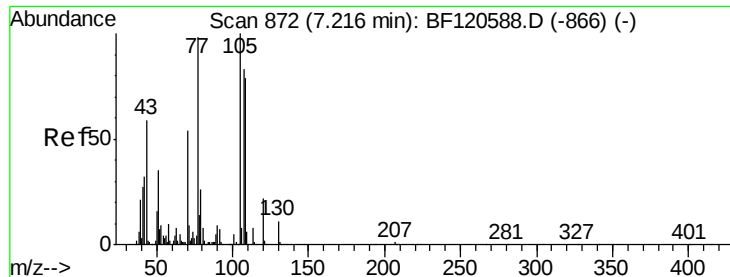
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

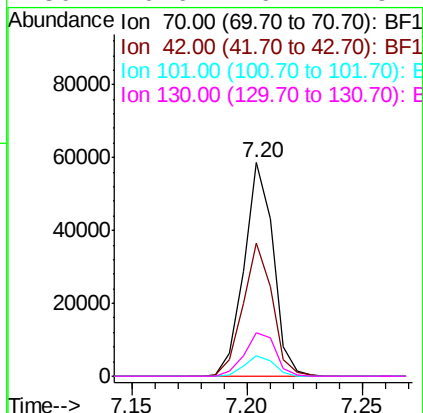
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 8.583 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.5	47.7	71.5
101	9.4	7.6	11.4
130	20.6	16.7	25.1



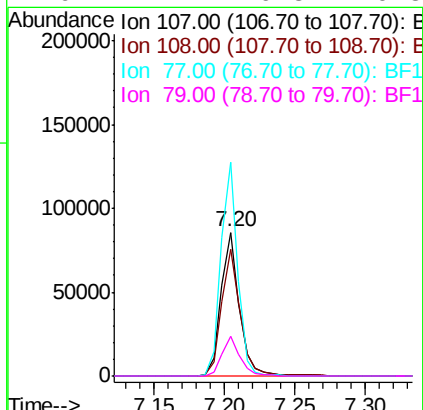
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

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#20
3+4-Methylphenols
Concen: 7.704 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.7	108.7
77	148.7	84.2	124.2#
79	27.7	6.8	46.8





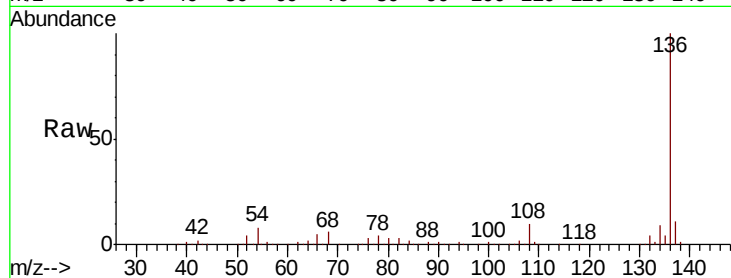
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		526893		
137	11.3	8.6	13.0		
54	7.9	5.8	8.6		
68	6.0	4.4	6.6		

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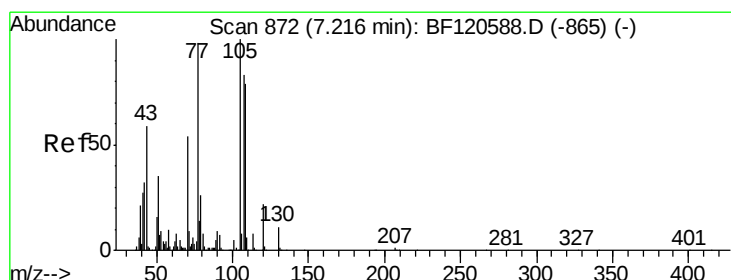
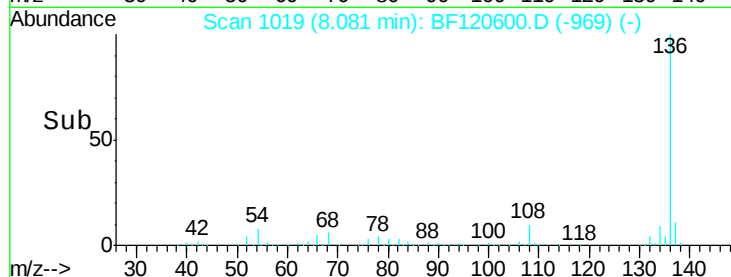
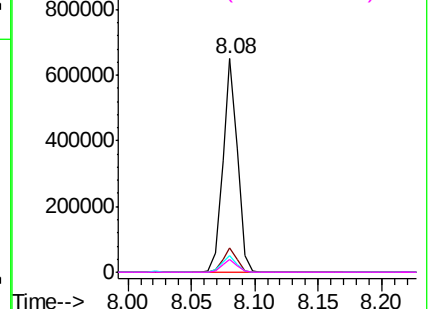
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 9.355 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		110195		
71	6.6	7.2	10.8#		
51	32.3	27.8	41.8		
120	22.7	18.0	27.0		

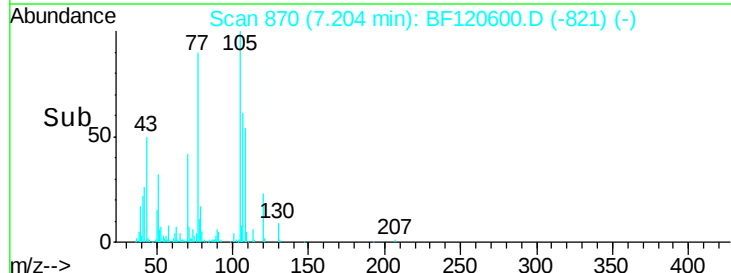
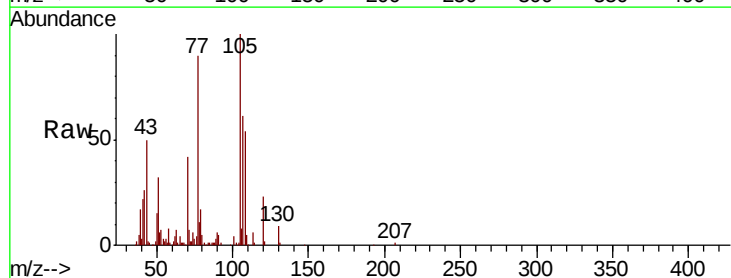
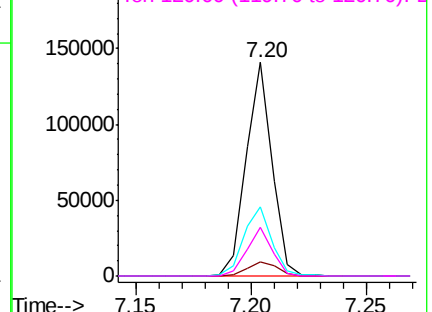
Abundance

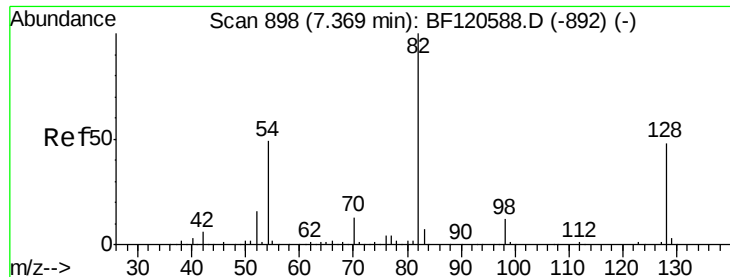
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





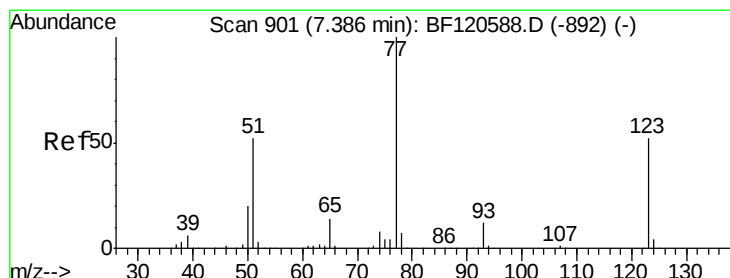
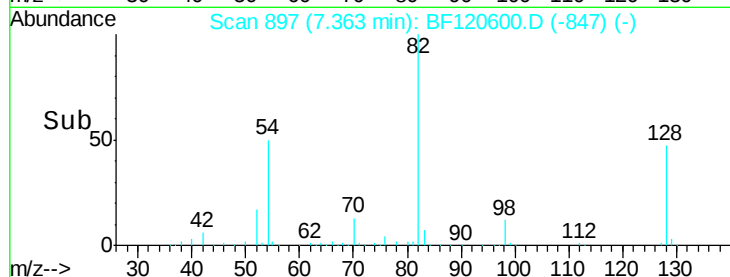
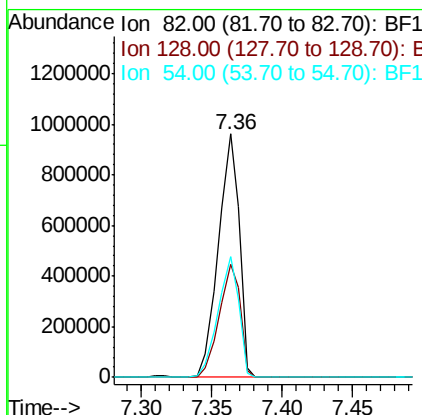
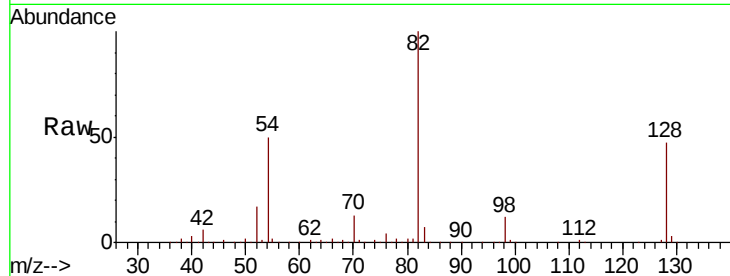
#23
Nitrobenzene-d5
Concen: 104.604 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.0	57.0
54	49.7	38.8	58.2

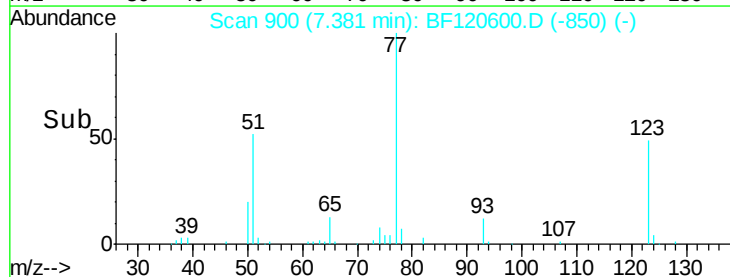
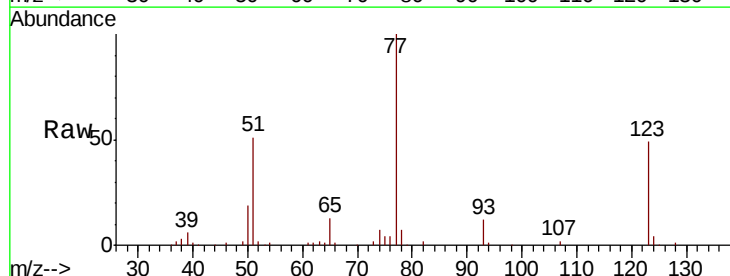
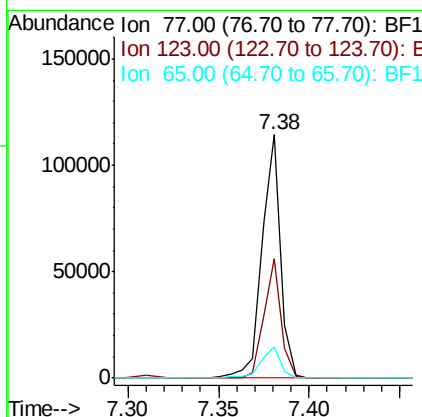
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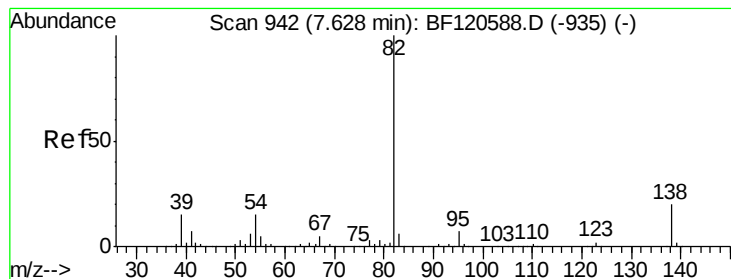
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#24
Nitrobenzene
Concen: 8.261 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.9	41.4	62.0
65	12.7	11.0	16.4





#25

Isophorone

Concen: 7.770 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

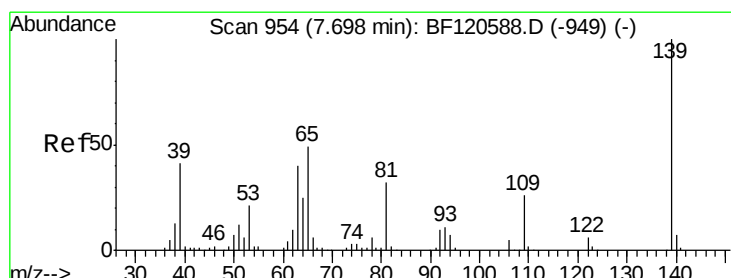
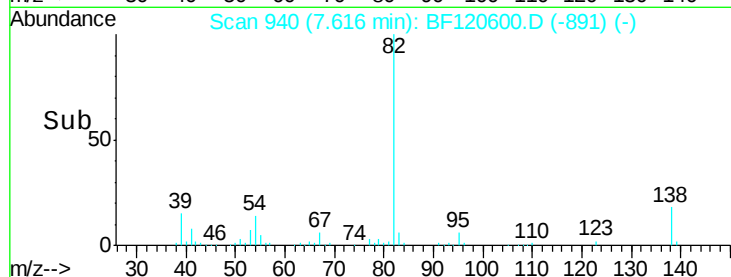
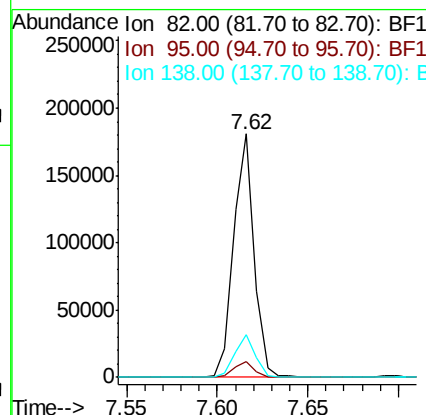
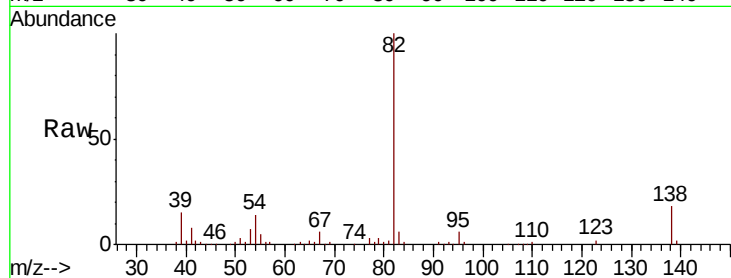
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	82	Resp:	142679
Ion Ratio		Lower	Upper
82	100		
95	6.5	5.7	8.5
138	17.8	16.2	24.4

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#26

2-Nitrophenol

Concen: 6.772 ng

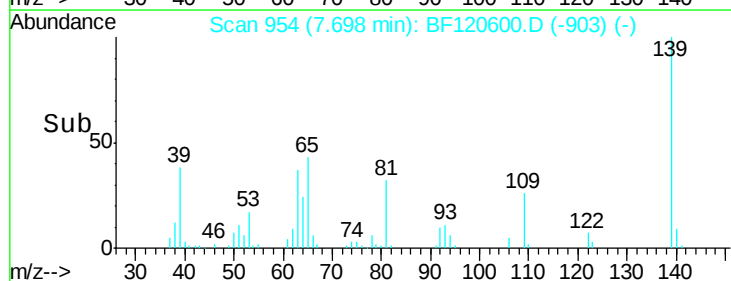
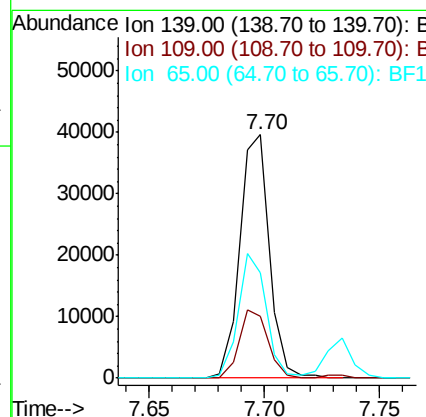
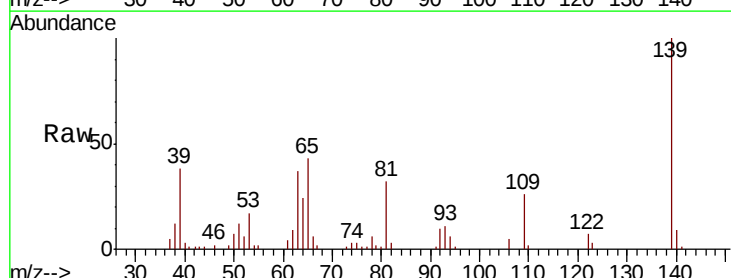
RT: 7.70 min Scan# 954

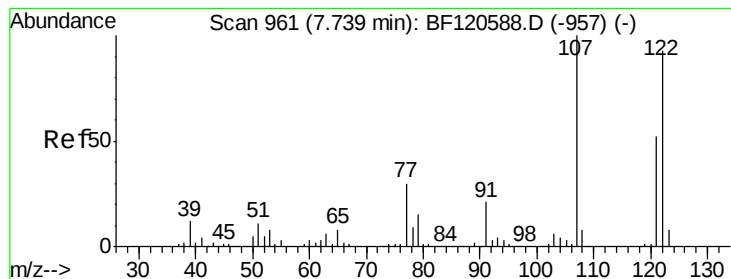
Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Tgt Ion:	139	Resp:	35342
Ion Ratio		Lower	Upper
139	100		
109	25.5	21.1	31.7
65	43.3	39.4	59.0





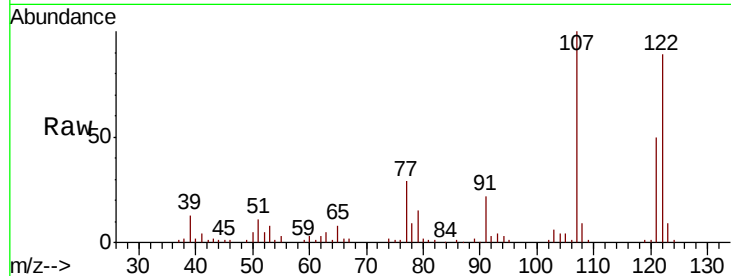
#27
 2,4-Dimethylphenol
 Concen: 7.132 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.8	86.4	129.6
121	56.4	45.2	67.8

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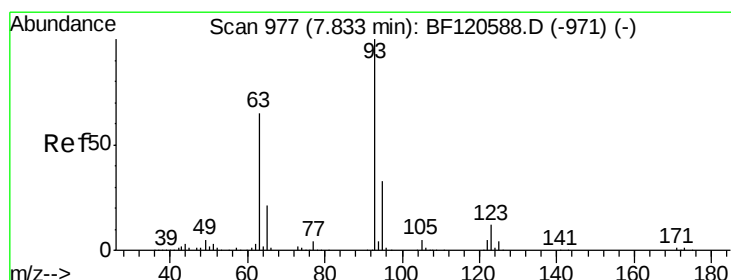
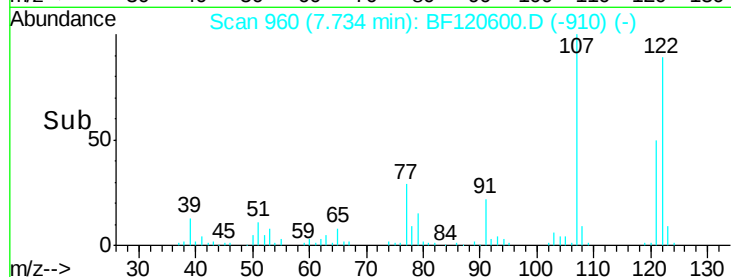
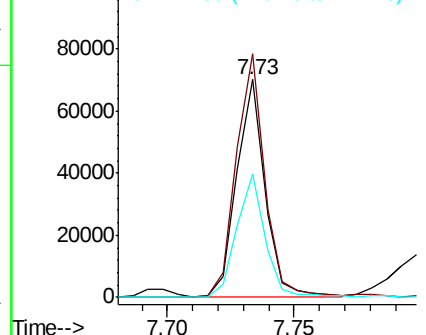


Abundance

Ion 122.00 (121.70 to 122.70): E

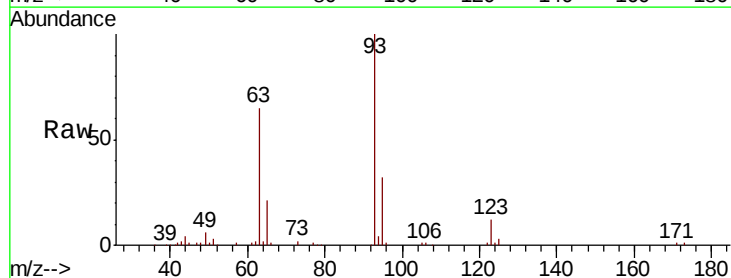
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.542 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.2	39.4
123	11.5	9.5	14.3

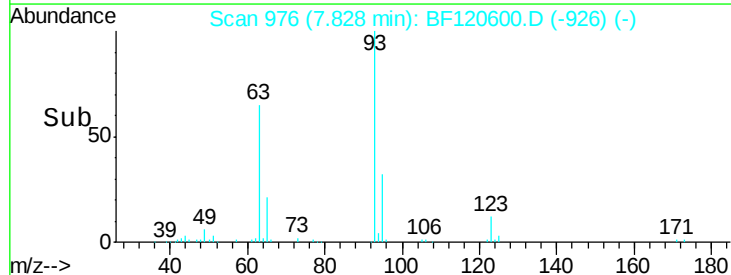
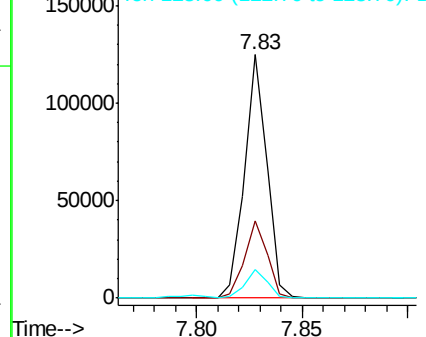


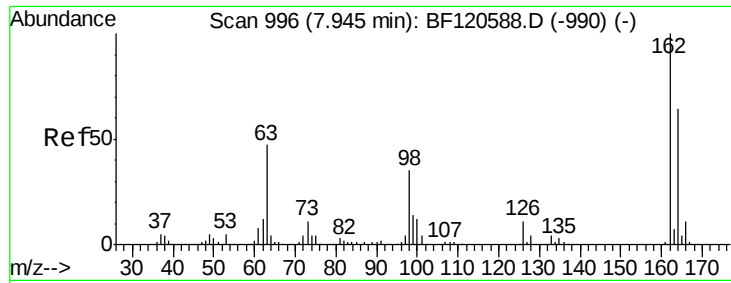
Abundance

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





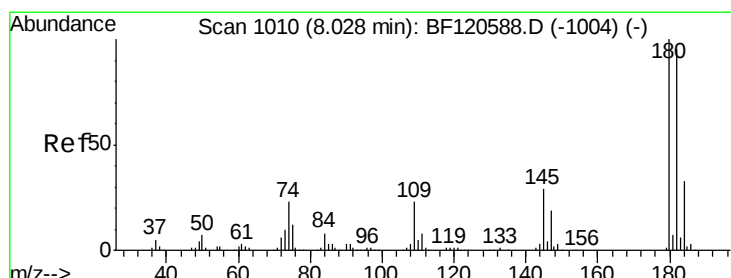
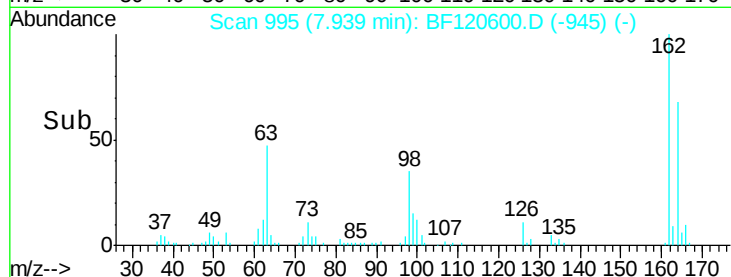
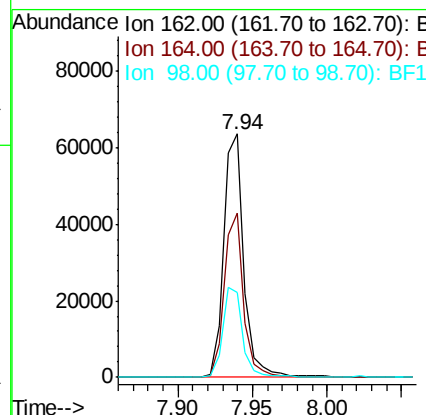
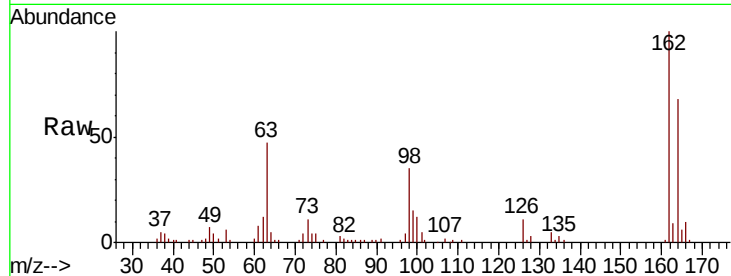
#29
 2,4-Dichlorophenol
 Concen: 7.720 ng
 RT: 7.94 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	67.6	44.1	84.1
98	35.1	14.7	54.7

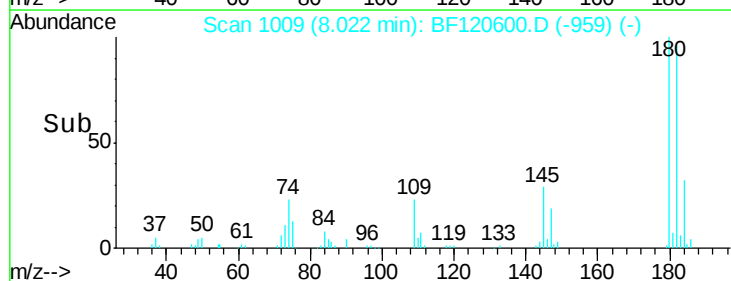
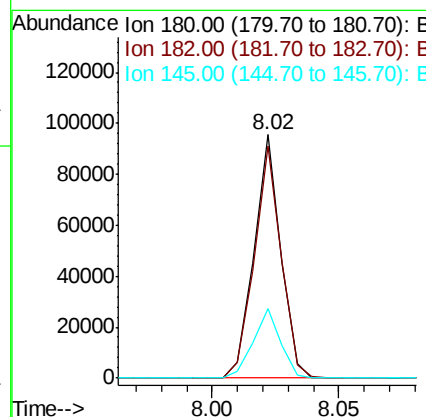
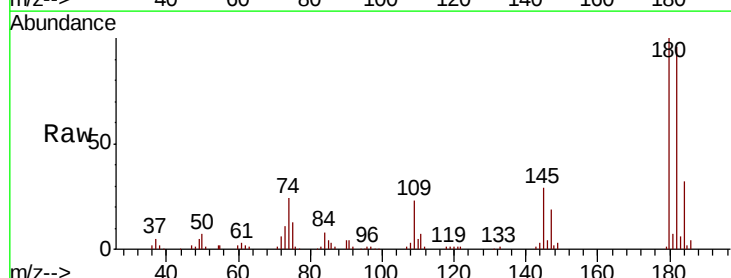
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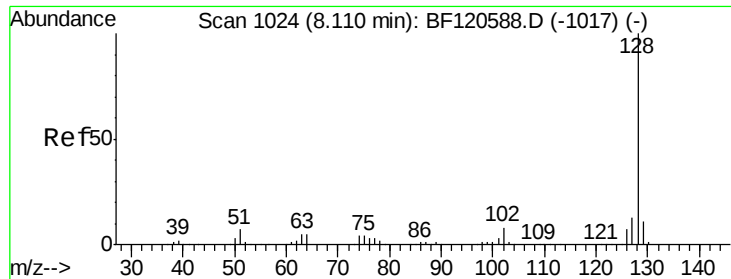
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#30
 1,2,4-Trichlorobenzene
 Concen: 8.078 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
145	28.8	23.0	34.6





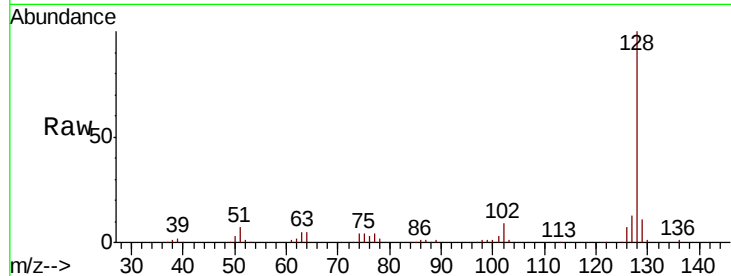
#31
Naphthalene
Concen: 8.763 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.6	10.6	15.8

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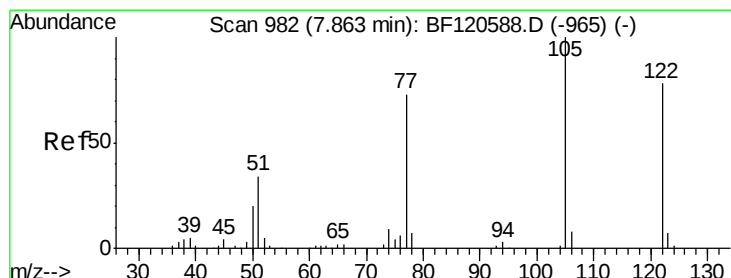
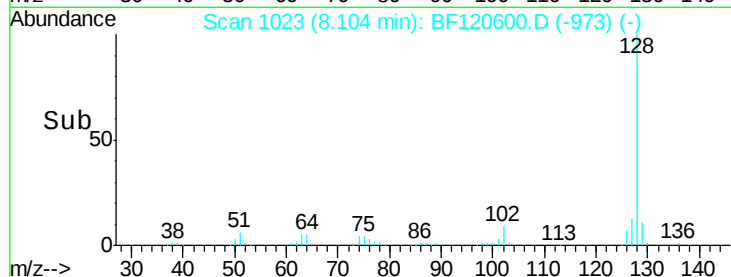
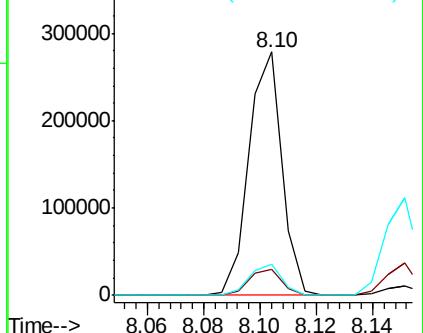


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 3.569 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.06 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

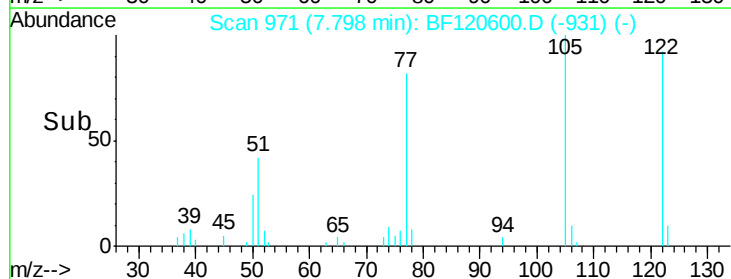
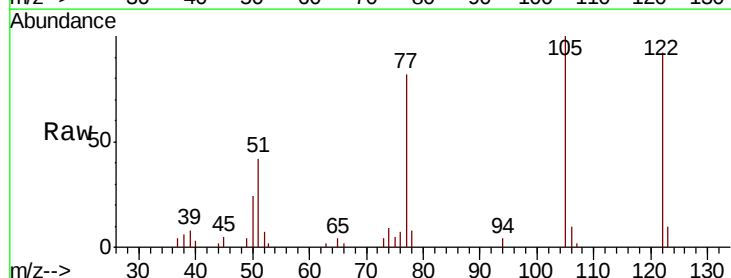
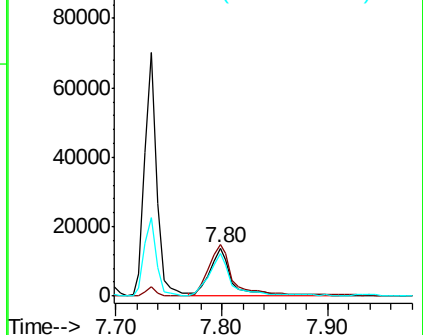
Tgt Ion	Ratio	Lower	Upper
122	100		
105	108.6	101.0	141.0
77	89.6	69.8	109.8

Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





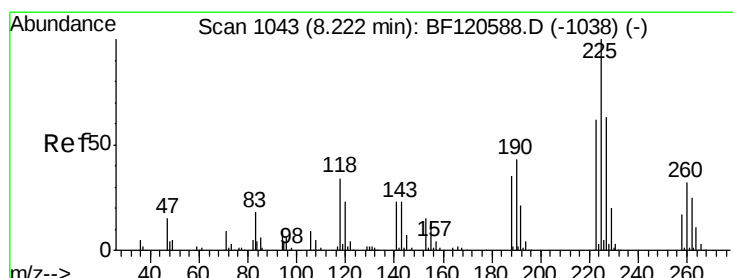
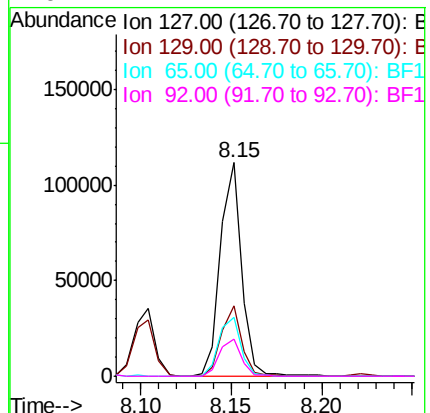
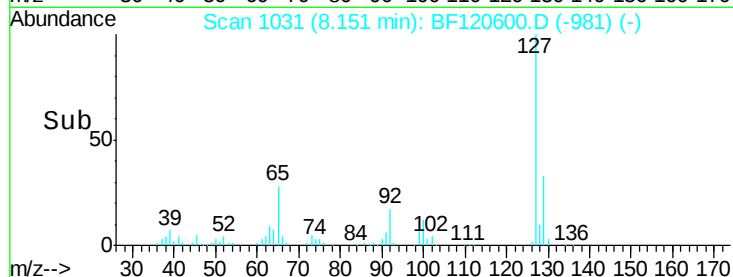
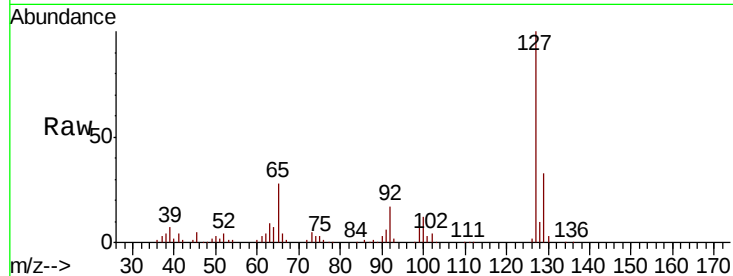
#33
4-Chloroaniline
Concen: 7.673 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.9	38.9
65	27.6	22.2	33.4
92	17.2	14.2	21.2

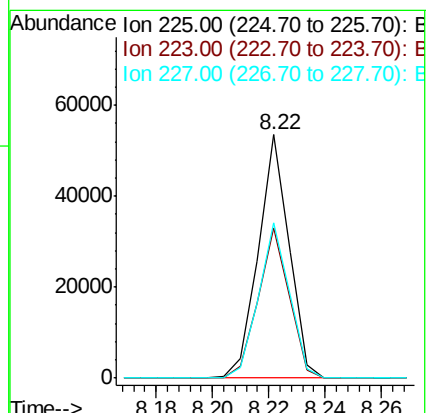
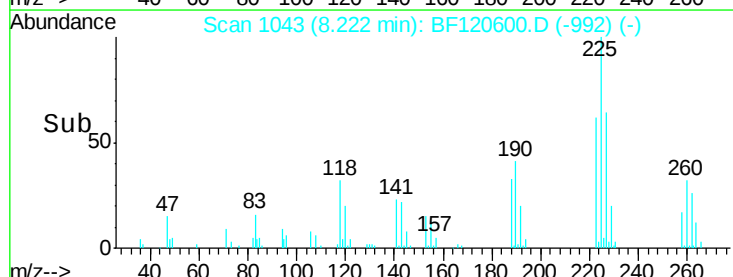
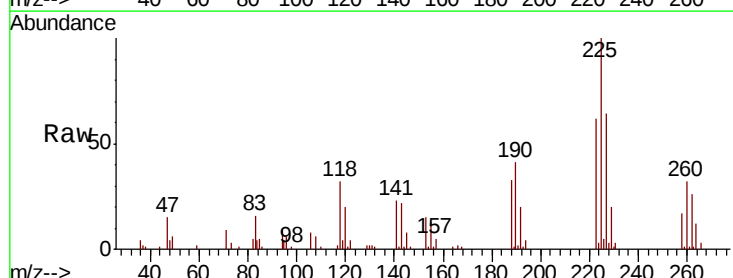
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#34
Hexachlorobutadiene
Concen: 7.992 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.9	74.9
227	64.1	50.5	75.7





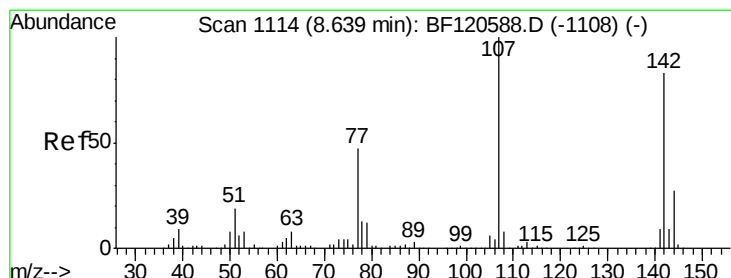
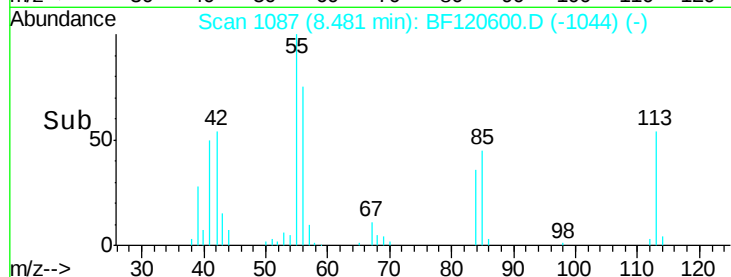
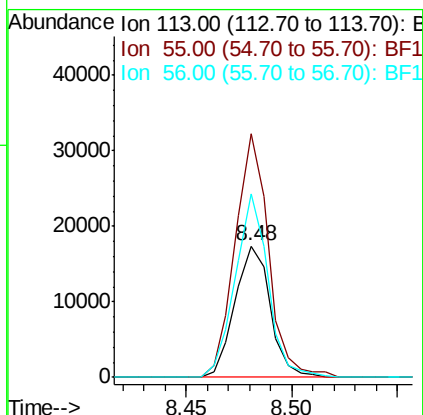
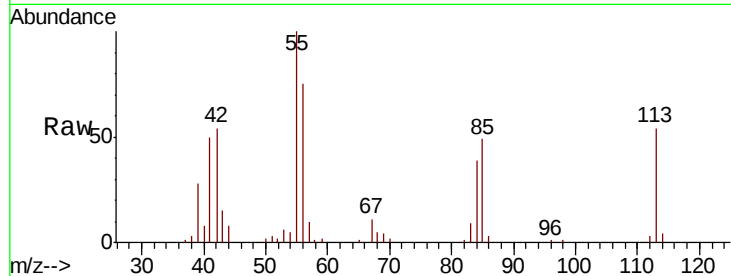
#35
Caprolactam
Concen: 8.056 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	185.1	133.1	173.1#
56	139.3	98.4	138.4#

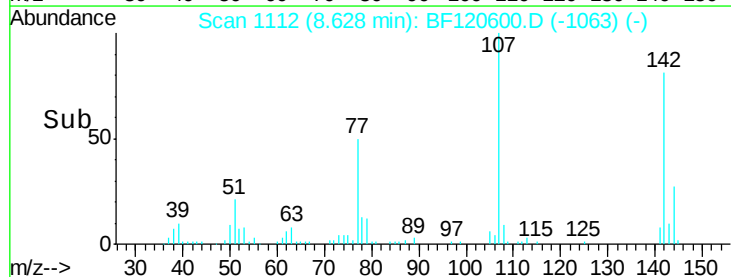
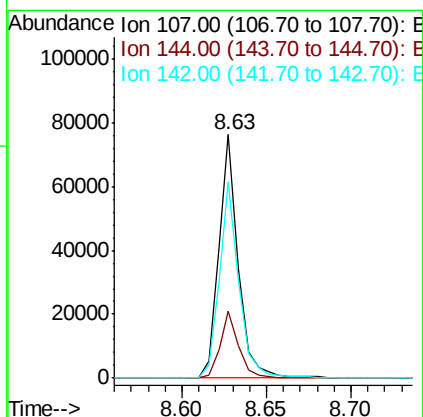
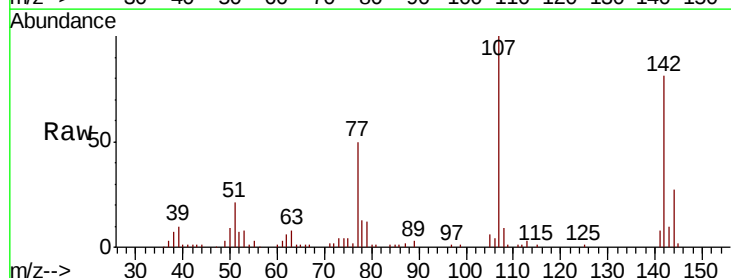
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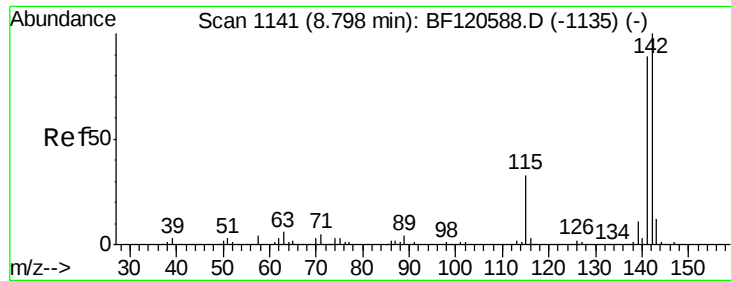
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#36
4-Chloro-3-methylphenol
Concen: 7.865 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.5	21.4	32.2
142	80.7	66.3	99.5





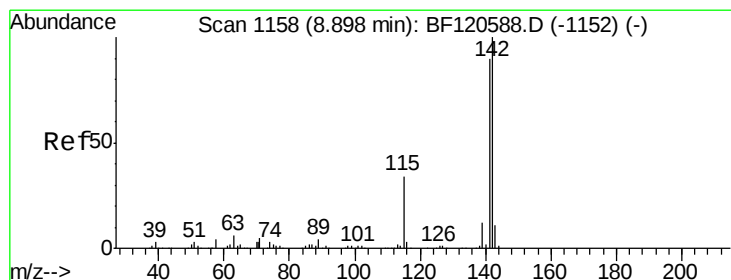
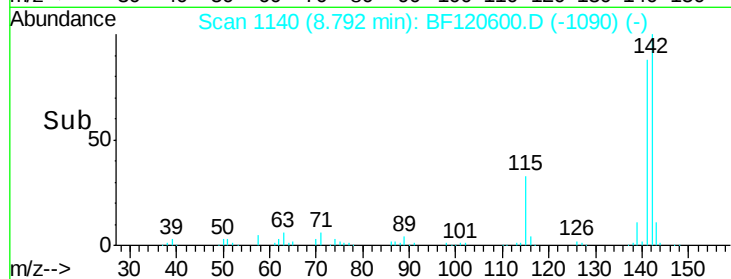
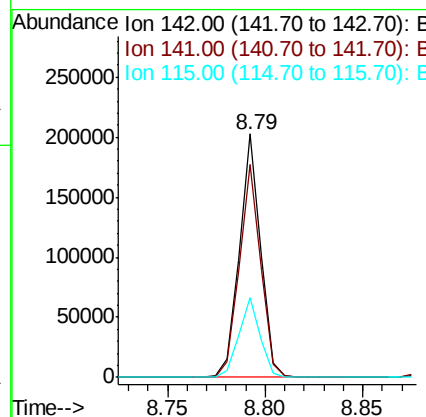
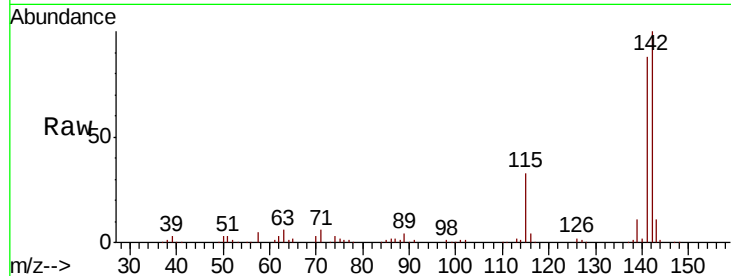
#37
2-Methylnaphthalene
Concen: 8.992 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.4	107.0
115	32.8	26.1	39.1

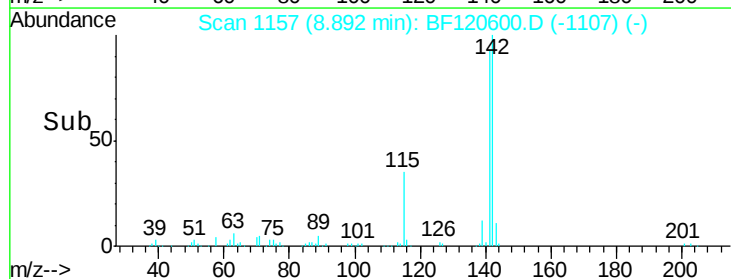
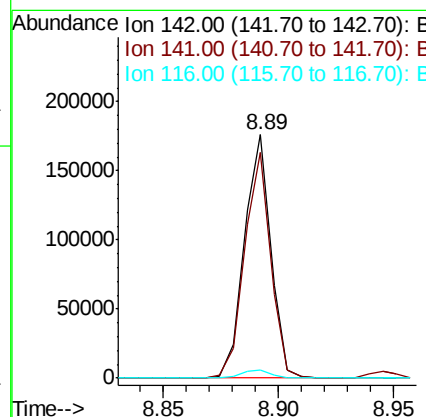
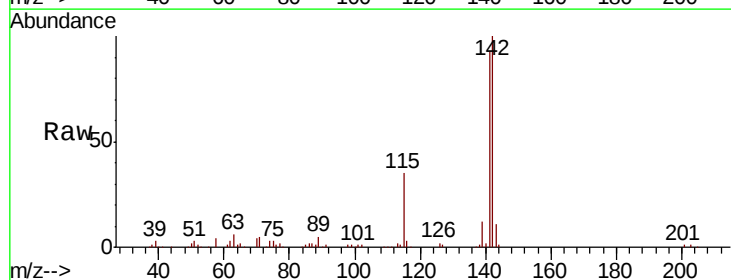
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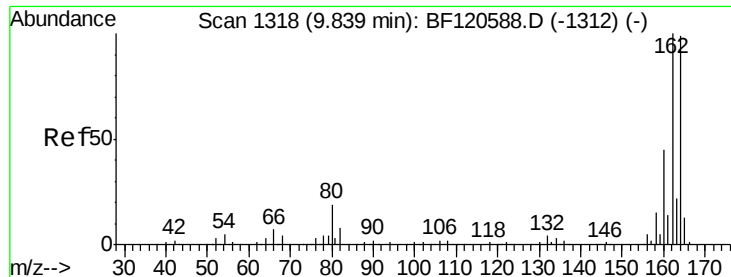
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#38
1-Methylnaphthalene
Concen: 8.847 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	72.1	108.1
116	3.5	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: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

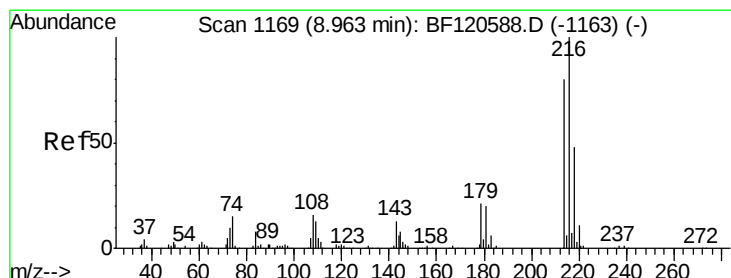
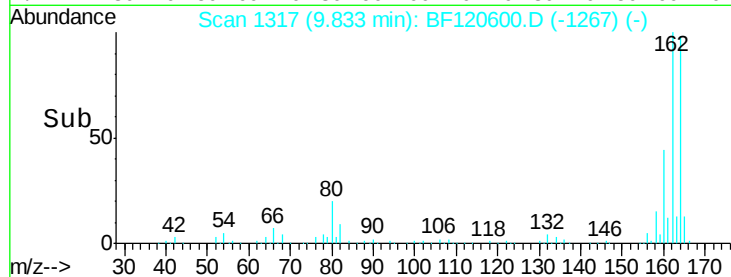
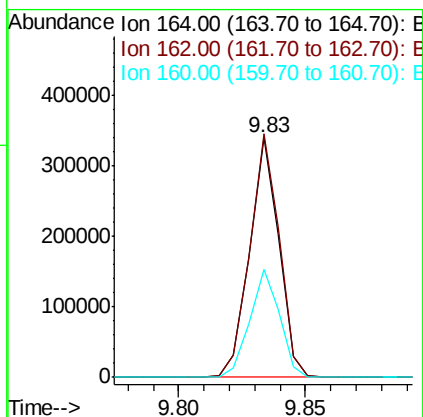
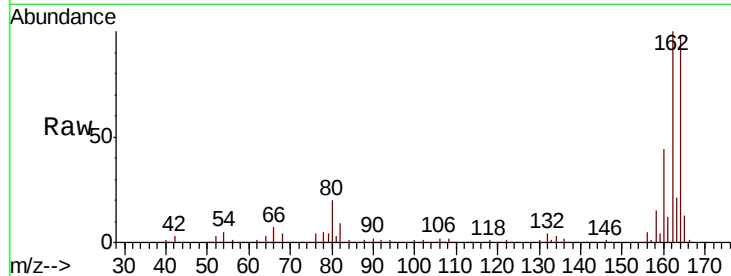
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	164	Resp:	274027
Ion Ratio	Lower	Upper	
164	100		
162	101.7	80.6	120.8
160	45.2	36.2	54.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.861 ng

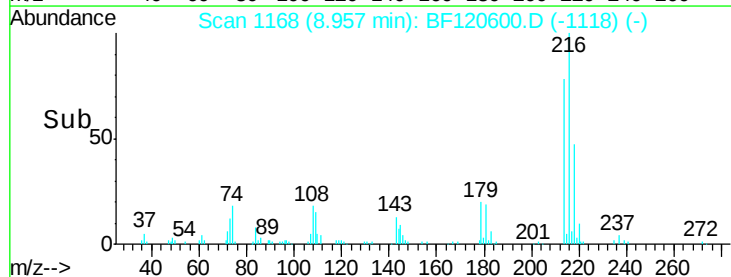
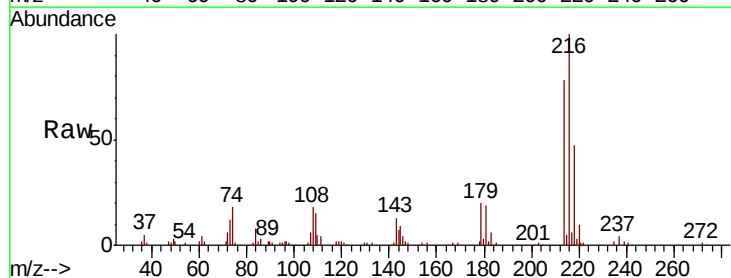
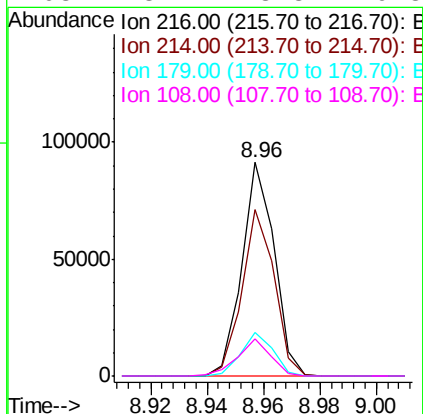
RT: 8.96 min Scan# 1168

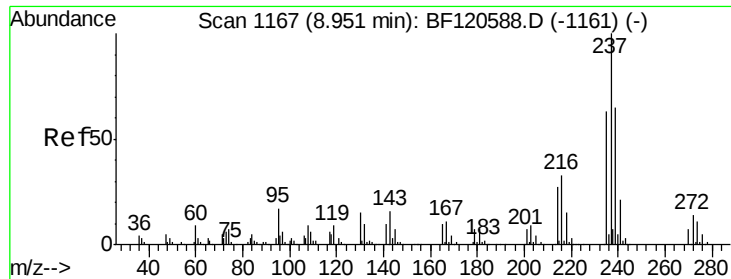
Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Tgt Ion:	216	Resp:	72499
Ion Ratio	Lower	Upper	
216	100		
214	78.0	63.8	95.6
179	20.0	16.4	24.6
108	18.2	13.8	20.8





#41

Hexachlorocyclopentadiene

Concen: 6.186 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

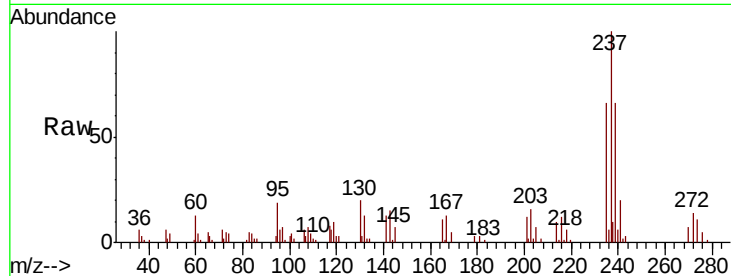
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

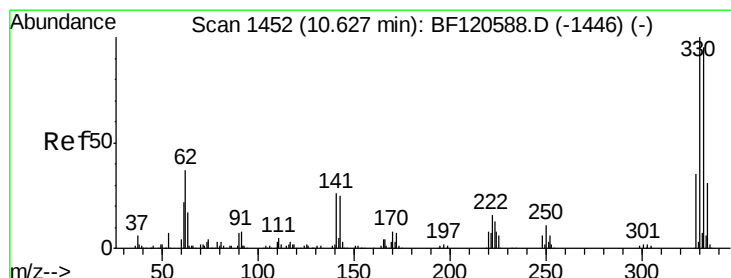
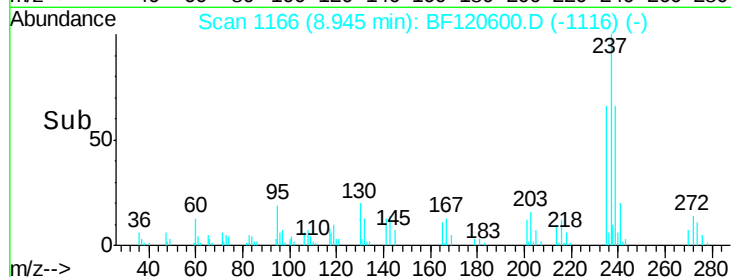
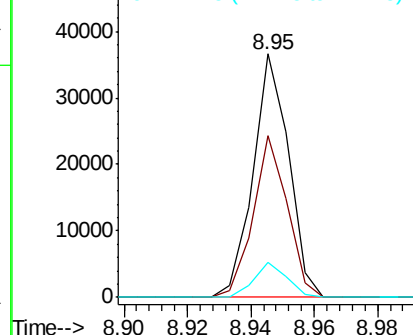
Tot Ion:	237	Resp:	28363
Ion Ratio	Lower	Upper	
237	100		
235	66.2	43.2	83.2
272	14.2	0.0	33.9

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



#42

2,4,6-Tribromophenol

Concen: 148.745 ng

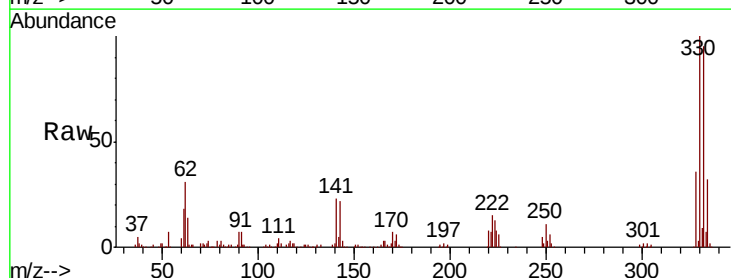
RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

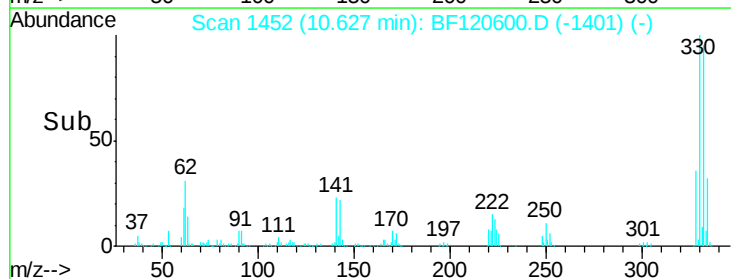
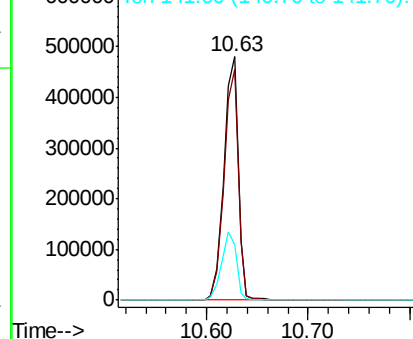
Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Tgt Ion:	330	Resp:	473894
Ion Ratio	Lower	Upper	
330	100		
332	95.0	76.8	115.2
141	29.3	23.2	34.8



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





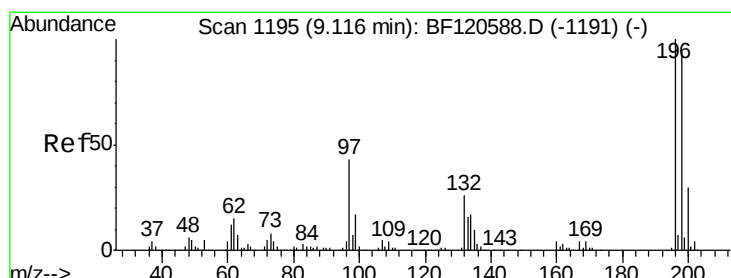
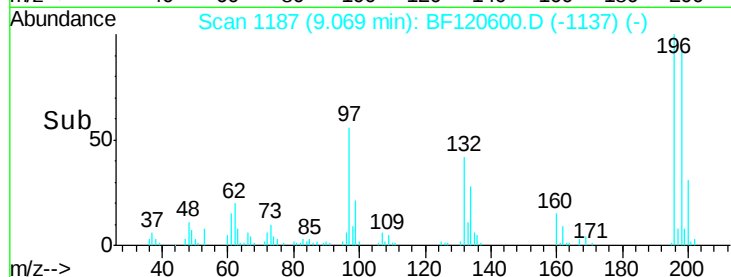
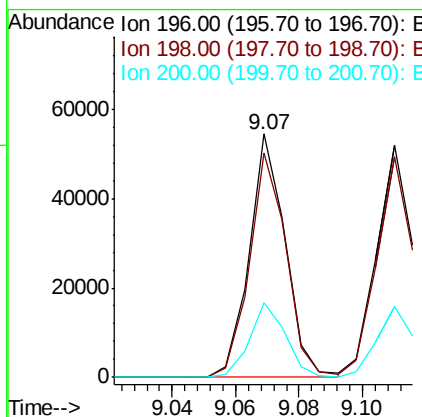
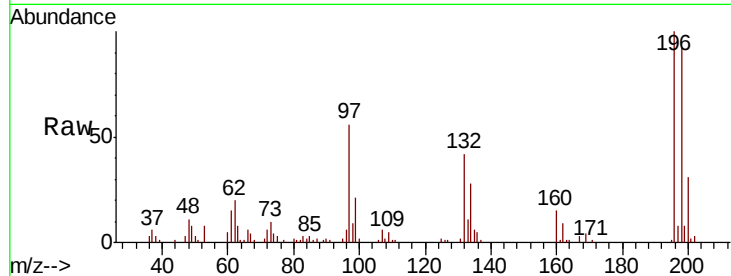
#43
 2,4,6-Trichlorophenol
 Concen: 7.408 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	43000		
198	91.9	76.2	114.2	
200	30.9	24.6	37.0	

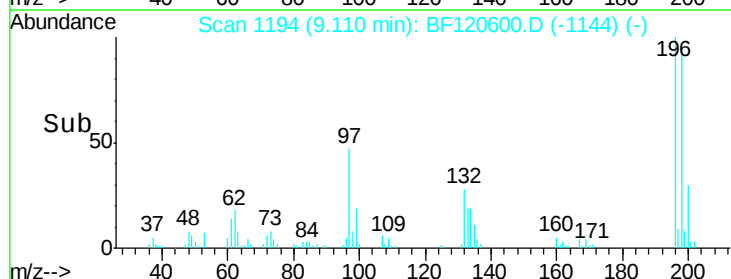
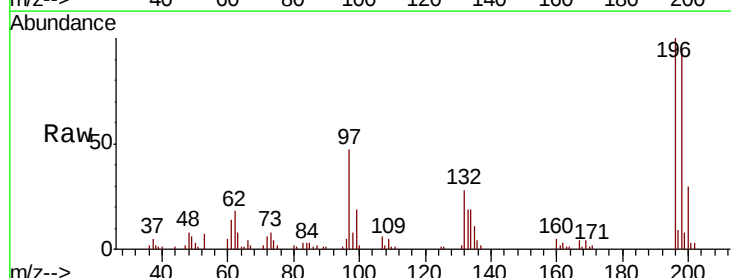
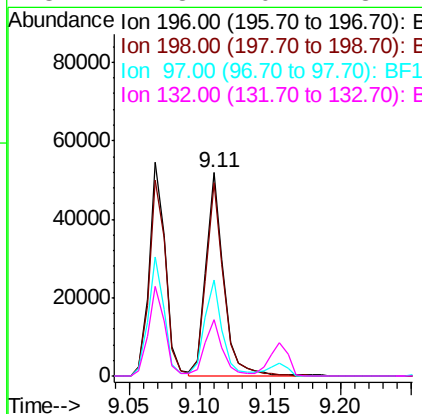
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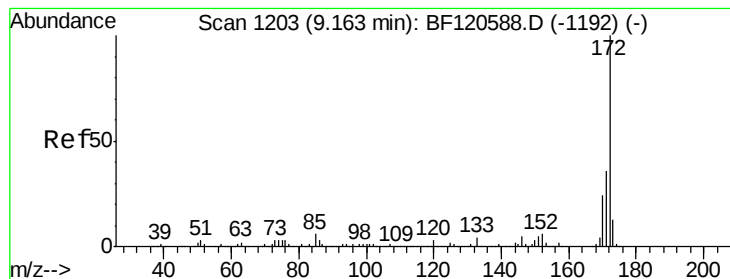
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 6.983 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	45985		
198	95.1	75.5	113.3	
97	47.1	34.4	51.6	
132	27.8	20.7	31.1	





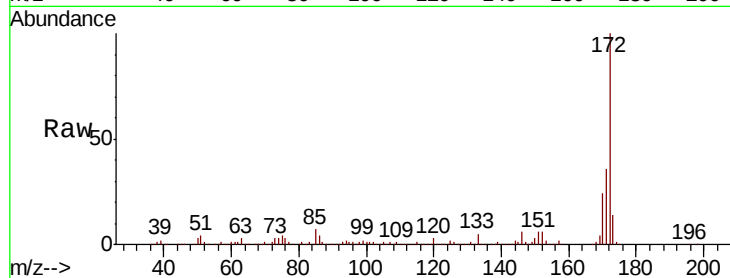
#45
2-Fluorobiphenyl
Concen: 98.033 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

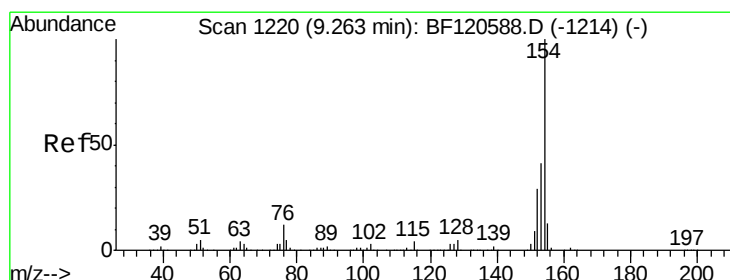
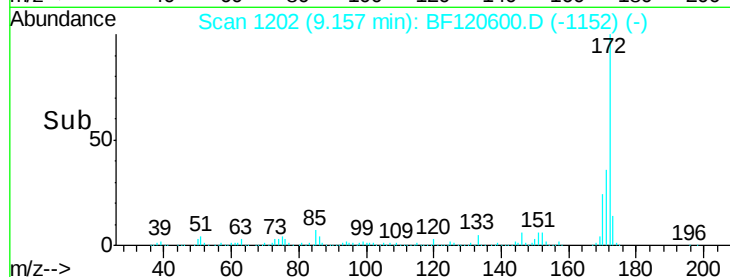
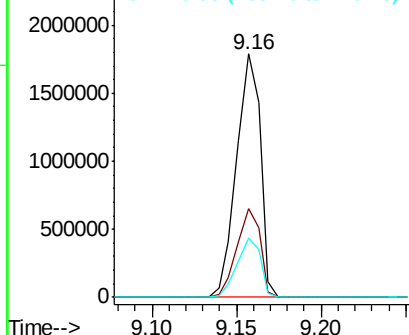
Tot Ion:172 Resp: 1755810
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.4
170 24.5 19.4 29.2

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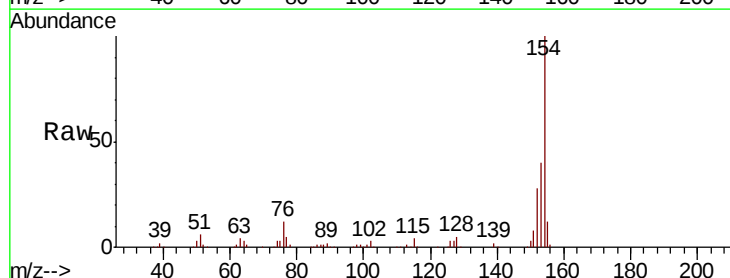


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

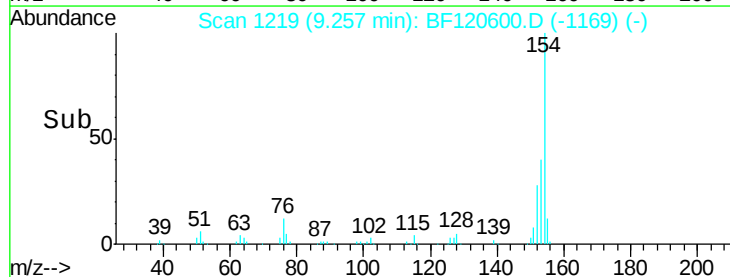
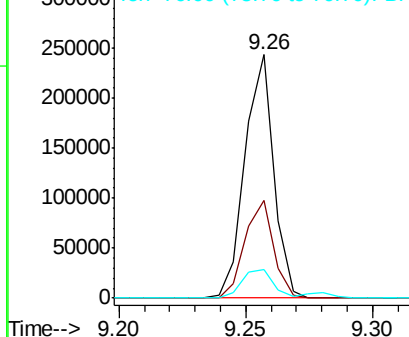


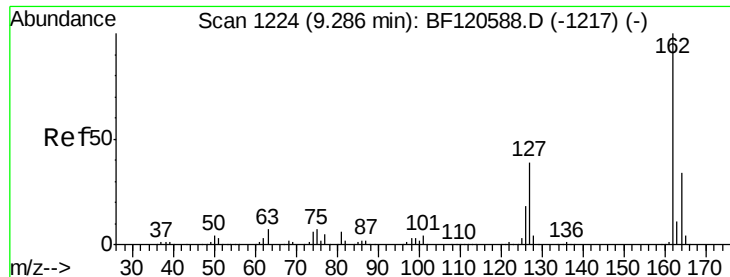
#46
1,1'-Biphenyl
Concen: 9.375 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:154 Resp: 191826
Ion Ratio Lower Upper
154 100
153 40.2 21.4 61.4
76 11.8 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





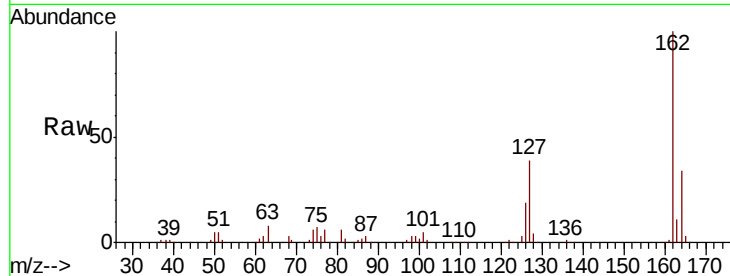
#47
2-Chloronaphthalene
Concen: 8.349 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

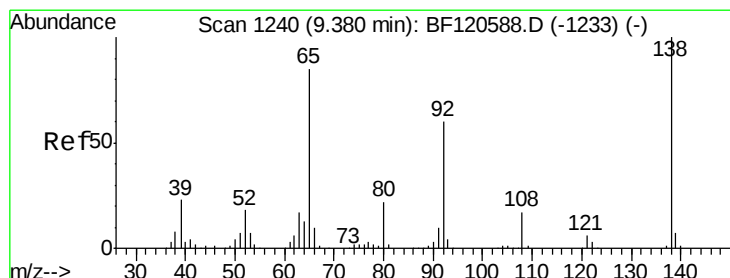
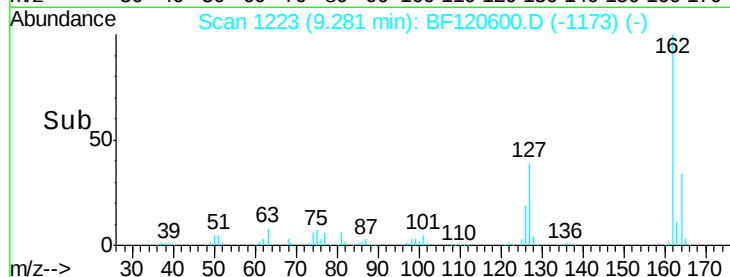
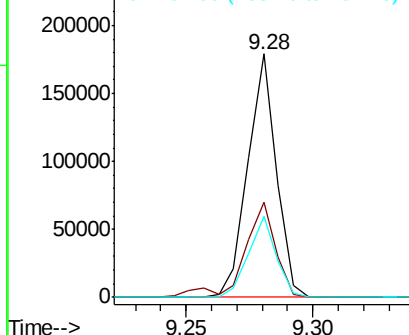
Tot Ion	Ratio	Resp	Lower	Upper
162	100	139697		
127	39.0		31.3	46.9
164	33.5		26.9	40.3

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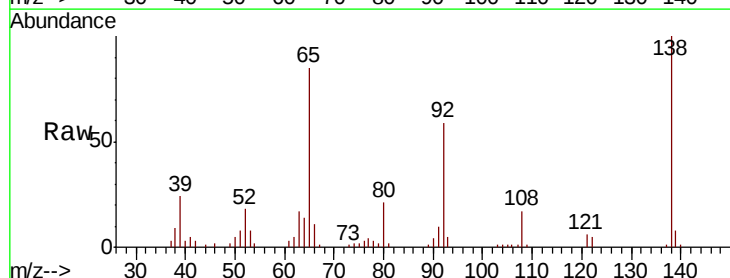


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

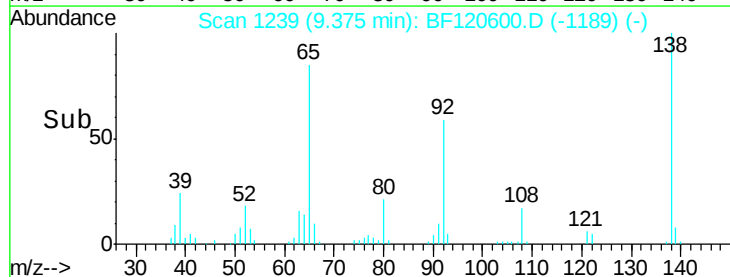
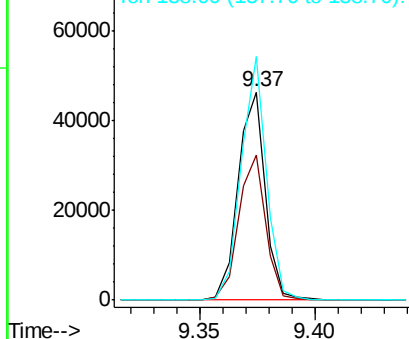


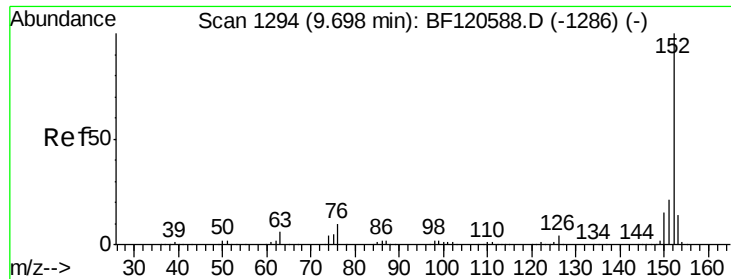
#48
2-Nitroaniline
Concen: 7.262 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	38162		
92	69.5		56.0	84.0
138	117.1		94.0	141.0



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





#49

Acenaphthylene

Concen: 8.733 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

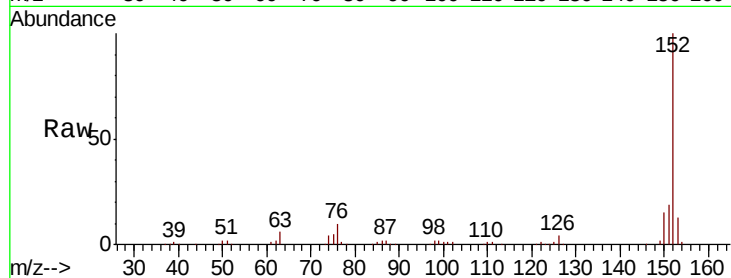
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

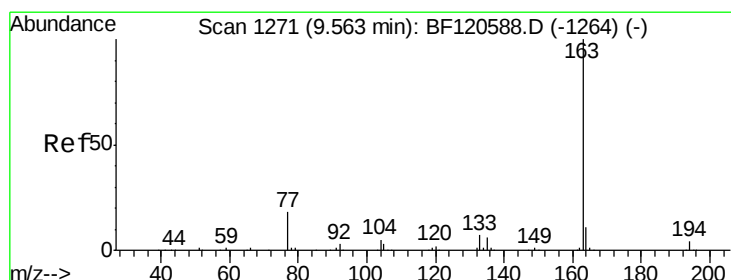
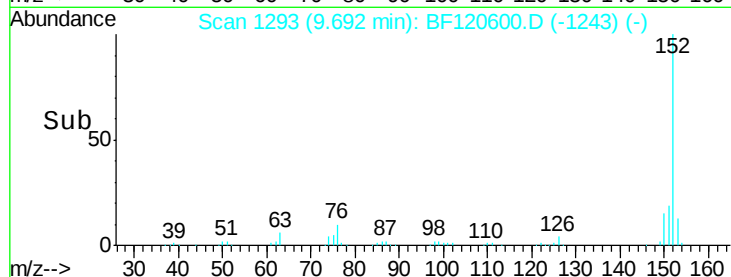
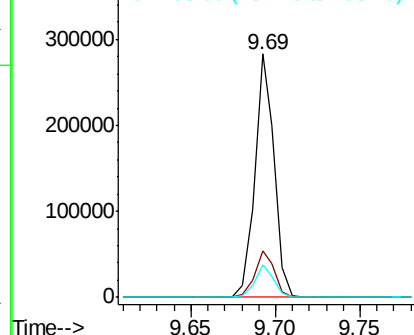
Tot Ion:	152	Resp:	225508
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.6	25.0
153	13.4	11.0	16.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.077 ng

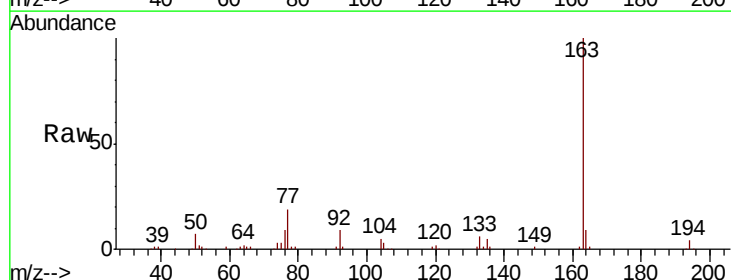
RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

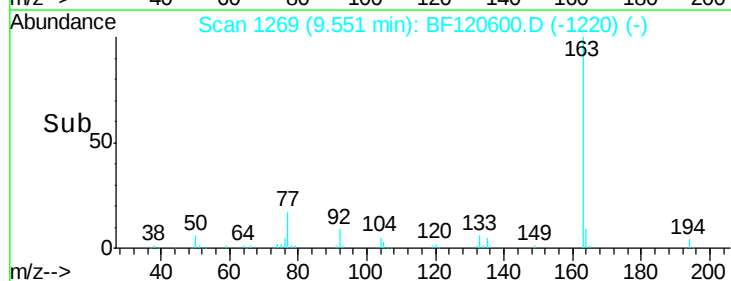
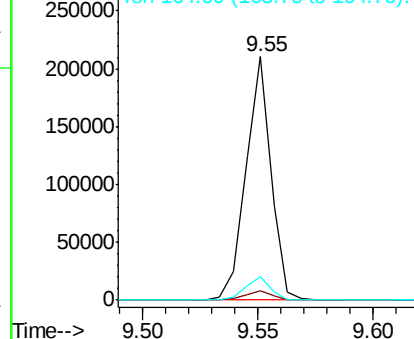
Lab File: BF120600.D

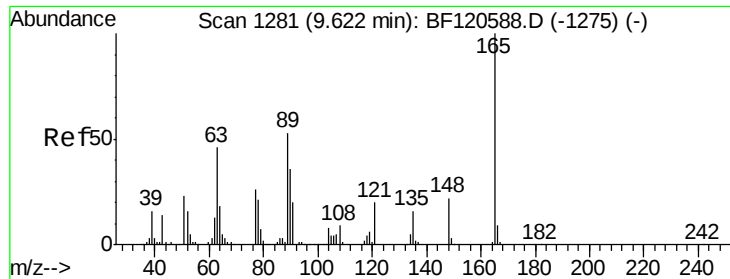
Acq: 11 Jun 2020 14:01

Tgt Ion:	163	Resp:	159402
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.1	4.7
164	9.4	8.5	12.7



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





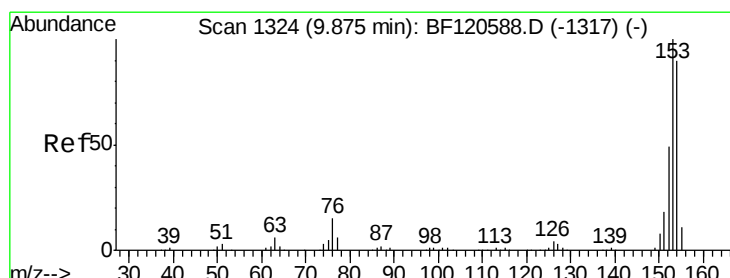
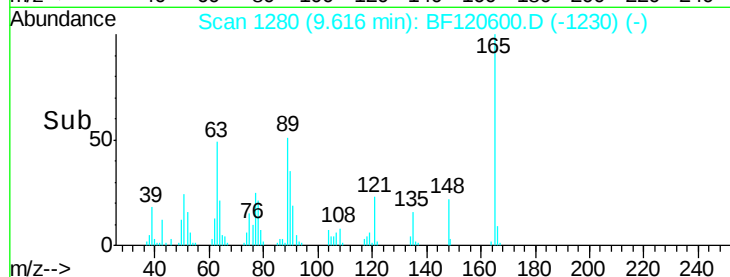
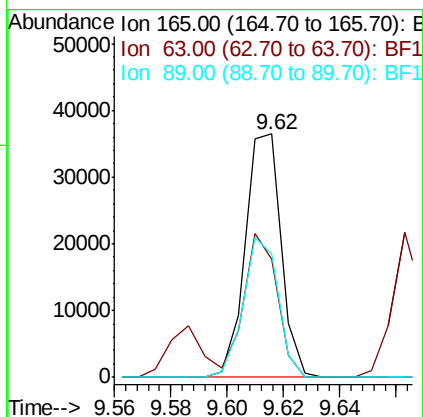
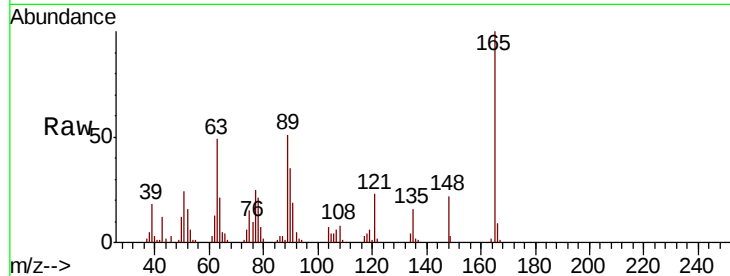
#51
2,6-Dinitrotoluene
Concen: 7.188 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	32148		
63	48.6		41.7	62.5
89	50.5		42.6	64.0

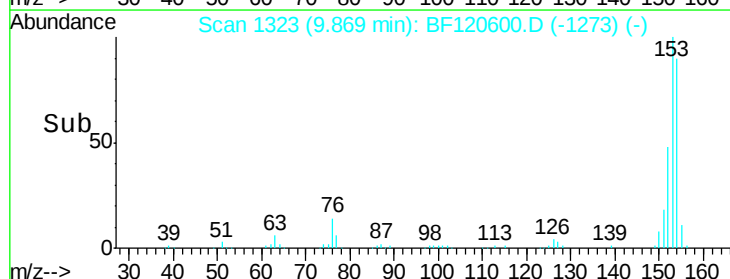
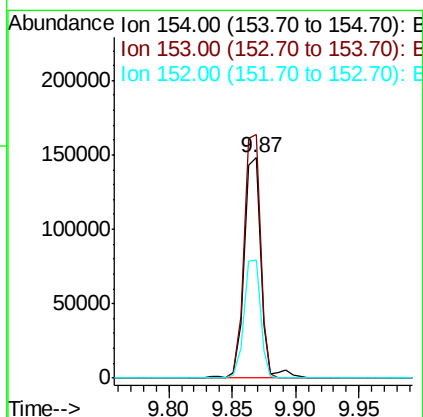
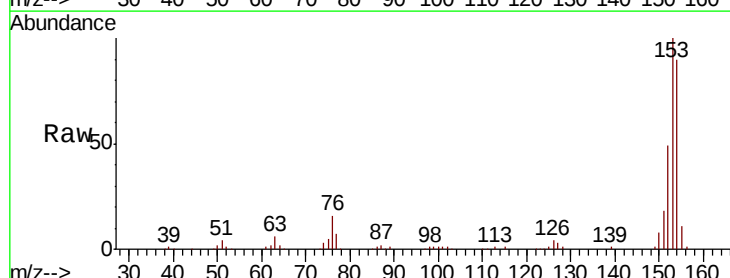
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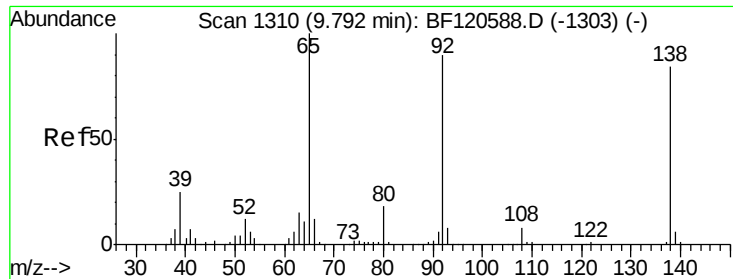
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#52
Acenaphthene
Concen: 8.858 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	136419		
153	110.5		89.1	133.7
152	53.8		43.7	65.5





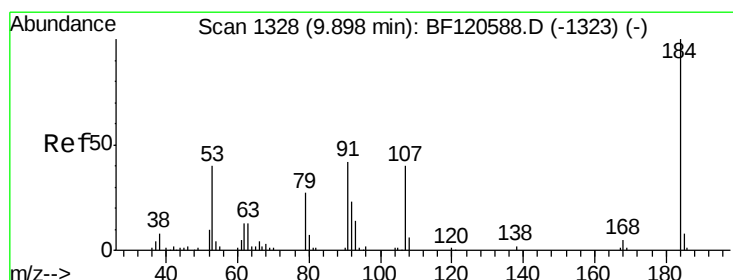
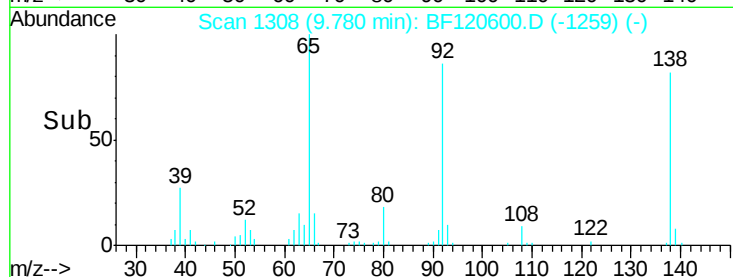
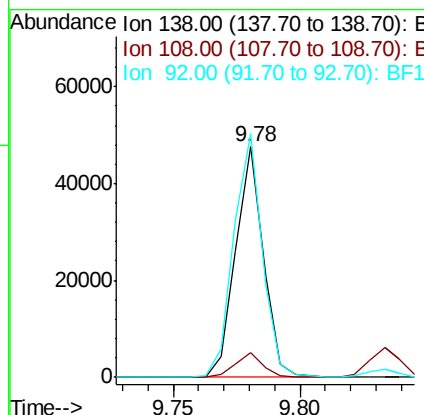
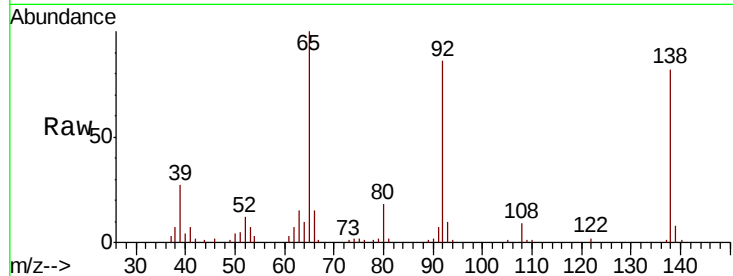
#53
 3-Nitroaniline
 Concen: 6.725 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.0	12.0
92	105.5	86.0	129.0

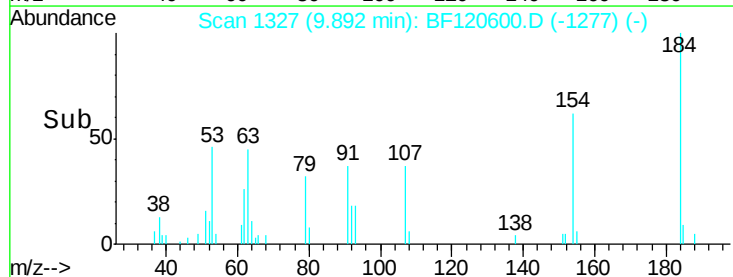
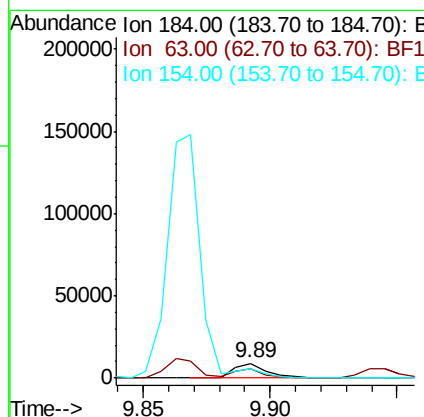
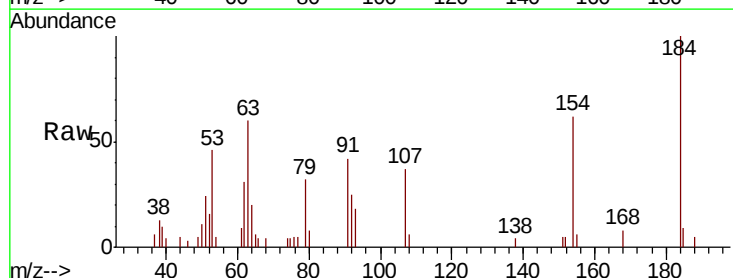
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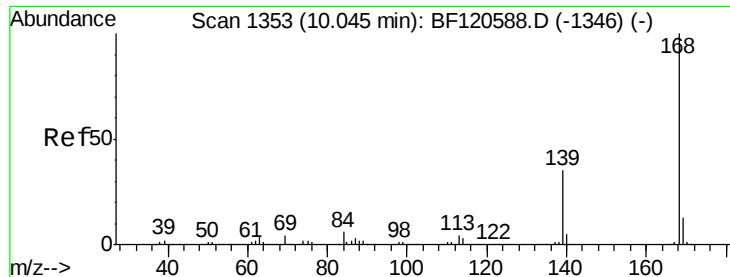
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#54
 2,4-Dinitrophenol
 Concen: 3.510 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.0	44.2	66.2
154	61.7	45.9	68.9





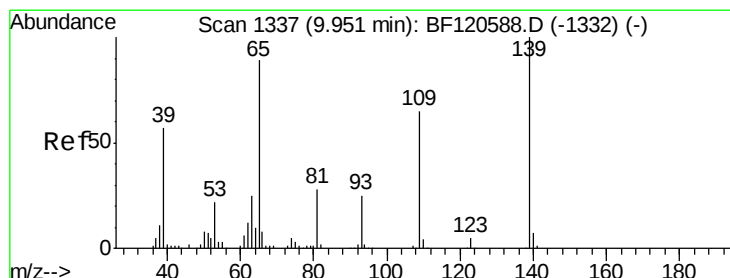
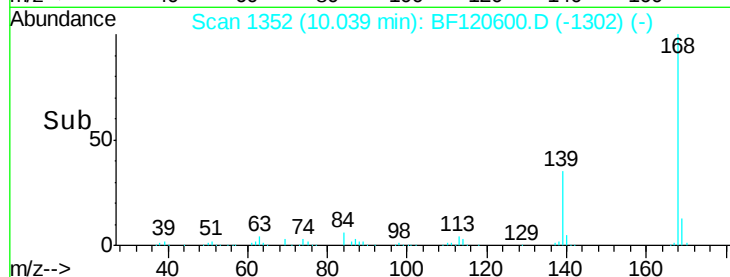
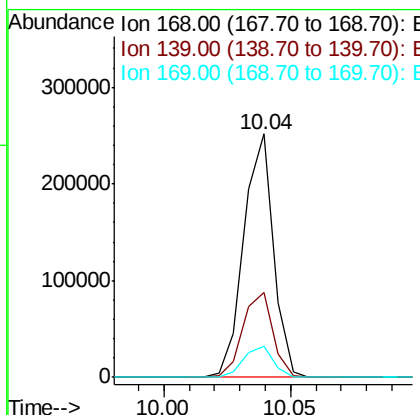
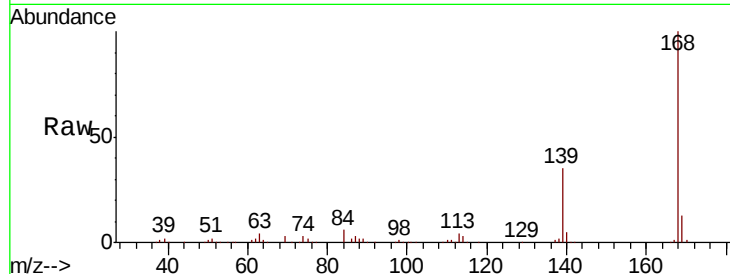
#55
Dibenzenofuran
Concen: 8.665 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.8	28.1	42.1
169	12.8	10.6	16.0

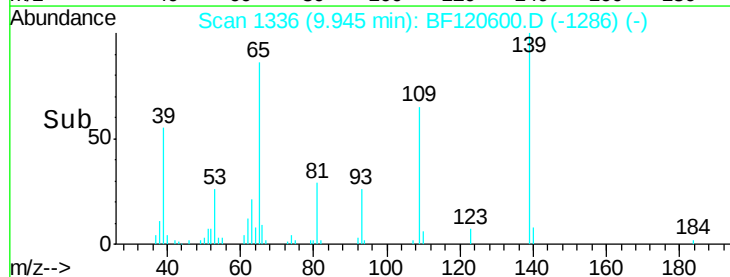
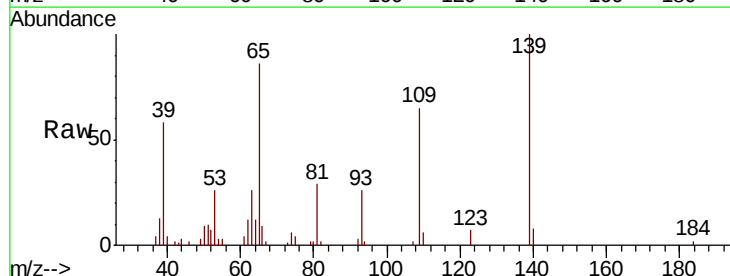
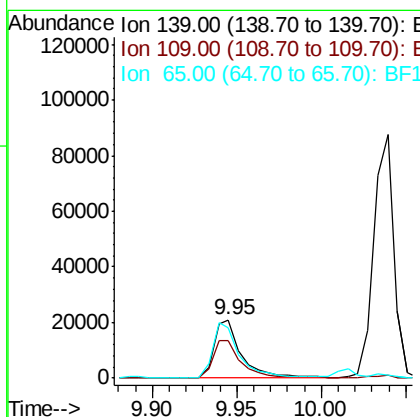
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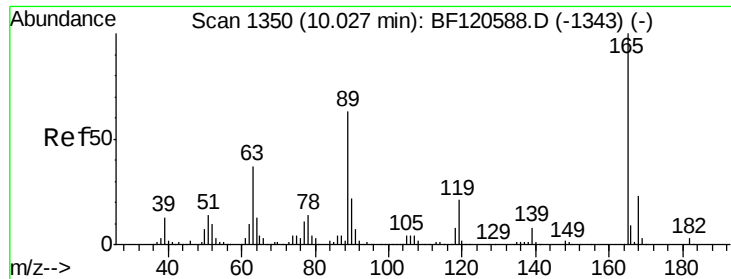
mohammad
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#56
4-Nitrophenol
Concen: 5.974 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.9	44.6	84.6
65	85.8	69.2	109.2





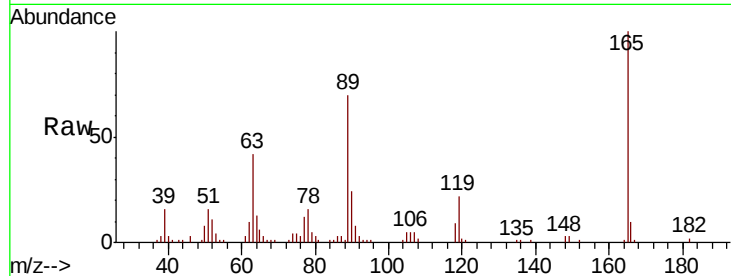
#57
2,4-Dinitrotoluene
Concen: 7.043 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

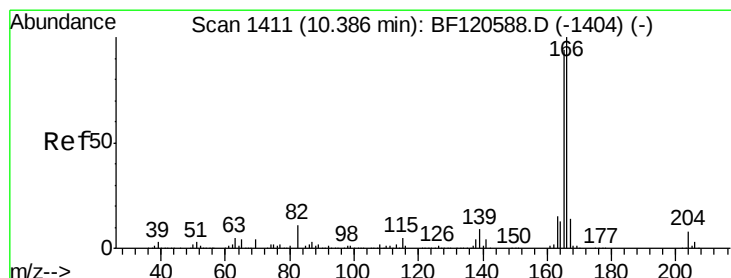
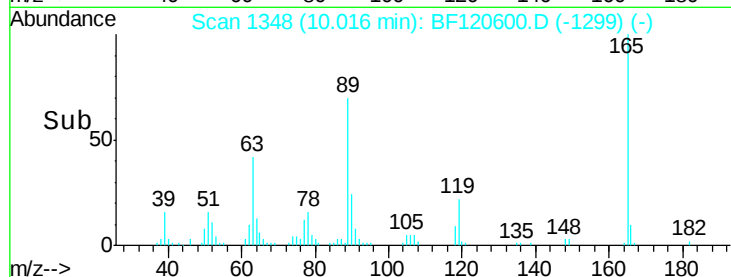
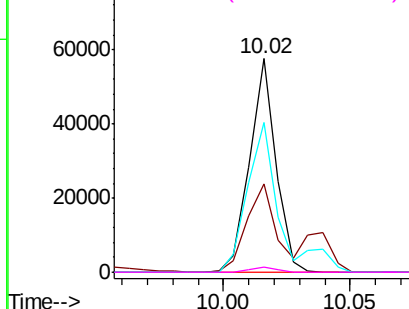
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		41797		
63	41.5	29.8	44.8		
89	70.3	50.4	75.6		
182	2.4	2.1	3.1		

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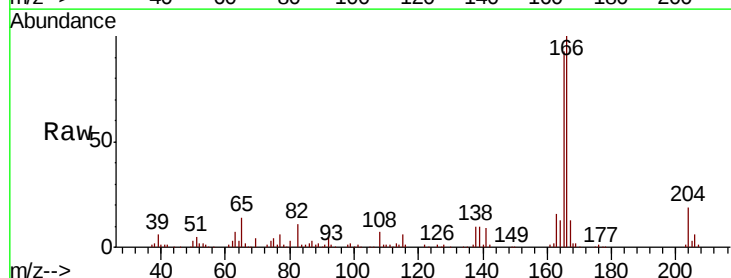


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

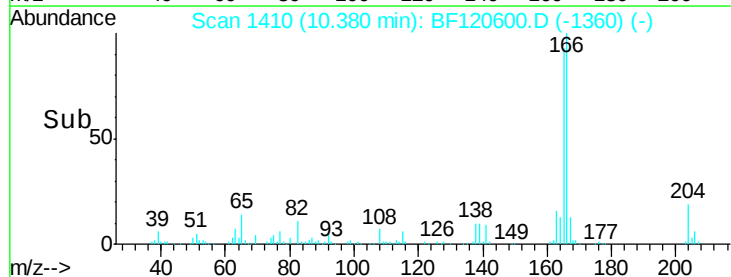
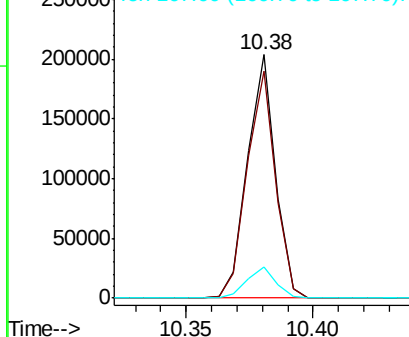


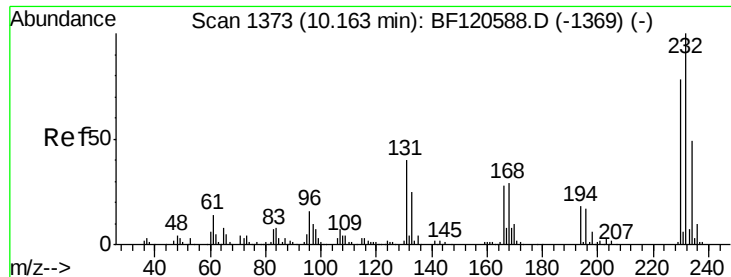
#58
Fluorene
Concen: 8.576 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		156114		
165	93.1	75.0	112.6		
167	12.6	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





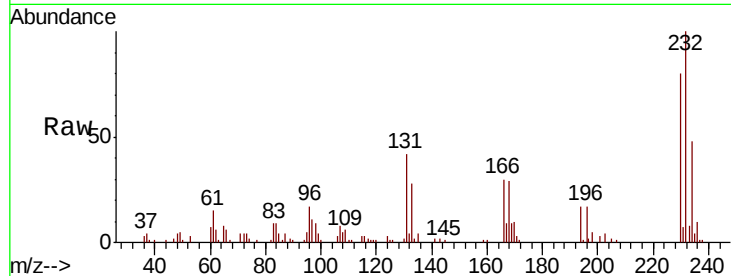
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.154 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

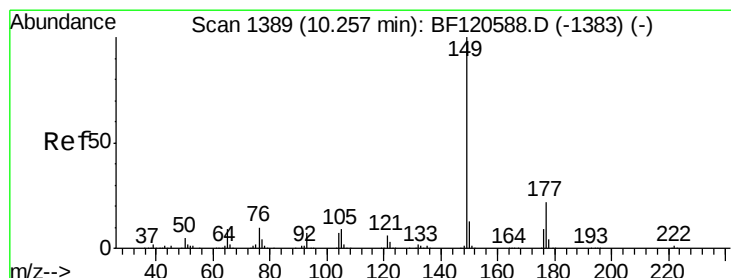
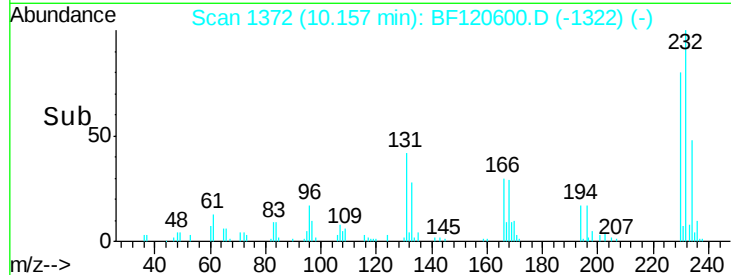
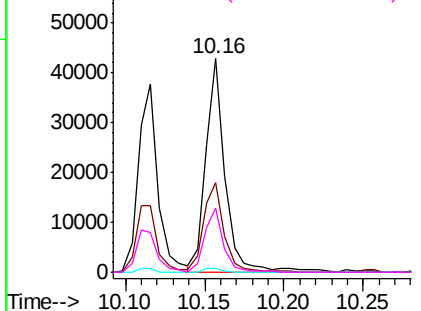
Tot Ion:	232	Resp:	37060
Ion Ratio	Lower	Upper	
232	100		
131	44.5	33.5	50.3
130	1.9	1.5	2.3
166	29.8	23.4	35.0

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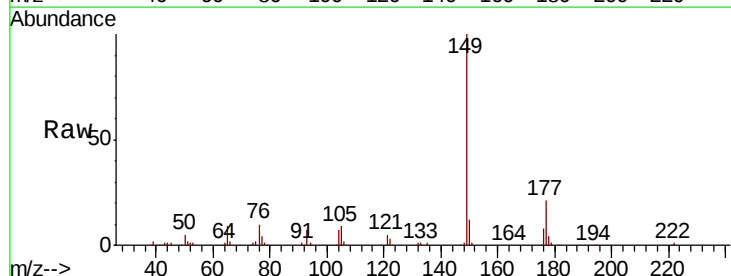


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

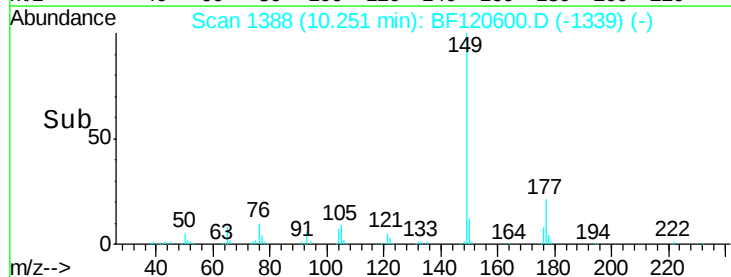
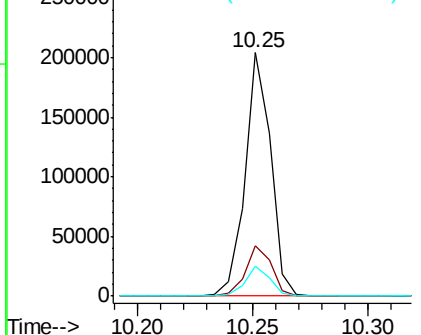


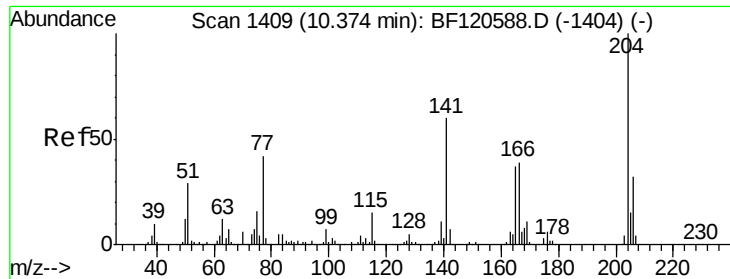
#60
Diethylphthalate
Concen: 8.109 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:	149	Resp:	157616
Ion Ratio	Lower	Upper	
149	100		
177	20.8	17.3	25.9
150	12.1	10.3	15.5



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





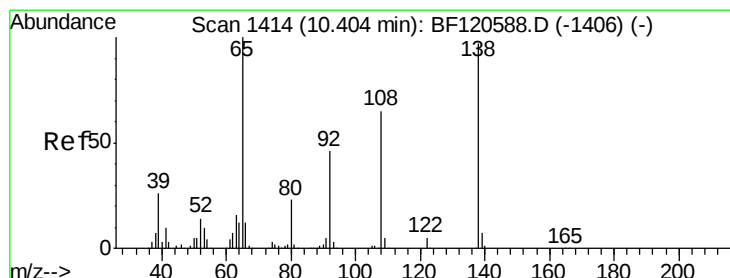
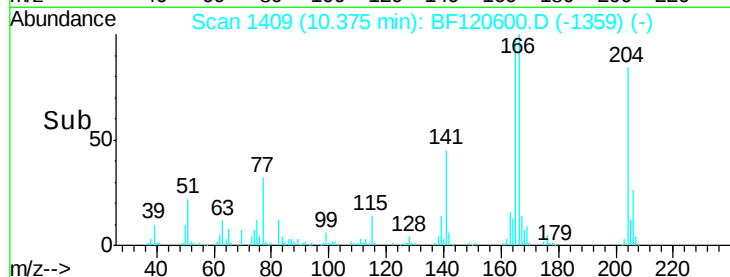
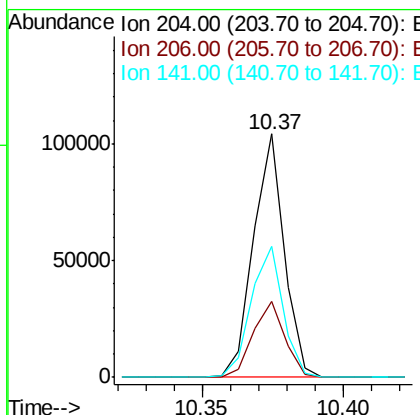
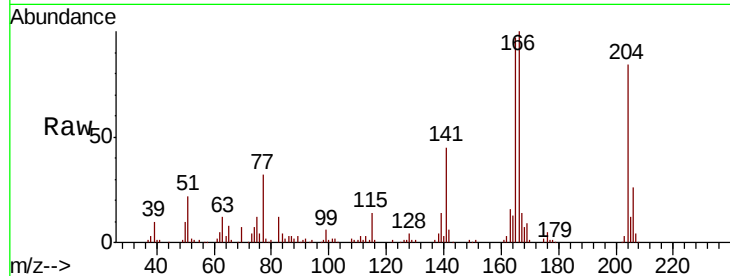
#61
4-Chlorophenyl-phenylether
Concen: 8.388 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.1	25.9	38.9
141	53.6	47.6	71.4

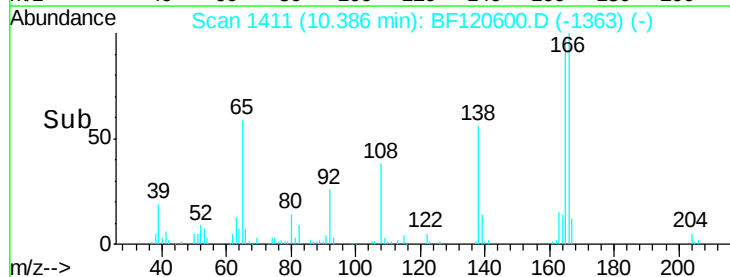
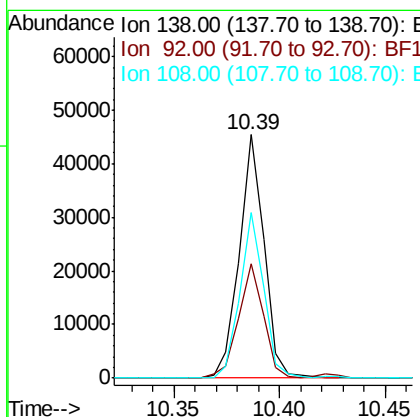
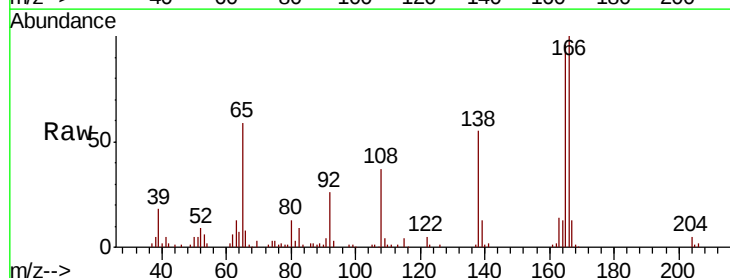
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#62
4-Nitroaniline
Concen: 6.901 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.1	27.3	67.3
108	67.8	47.4	87.4





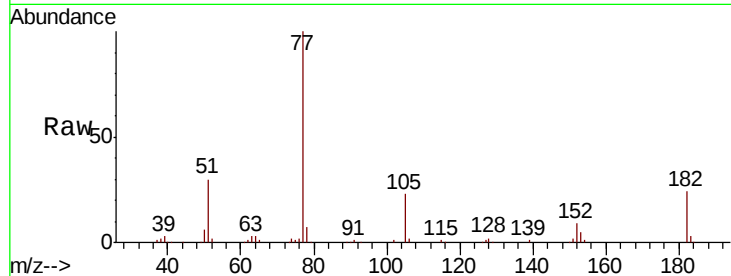
#63
Azobenzene
Concen: 8.561 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

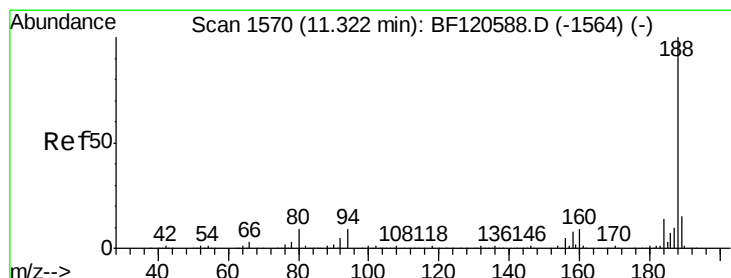
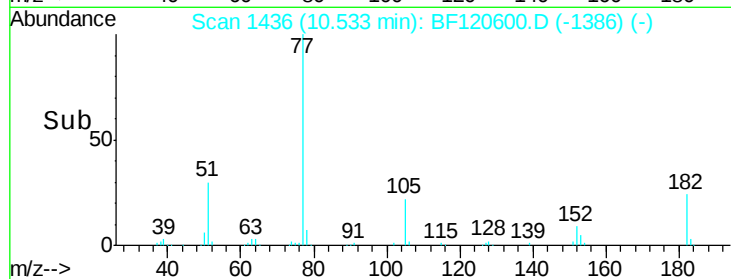
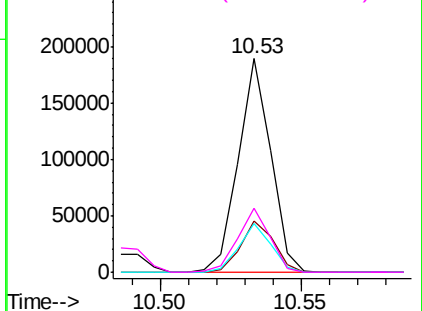
Tot Ion	Ratio	Lower	Upper
77	100		
182	23.9	7.7	47.7
105	22.9	3.2	43.2
51	29.9	8.5	48.5

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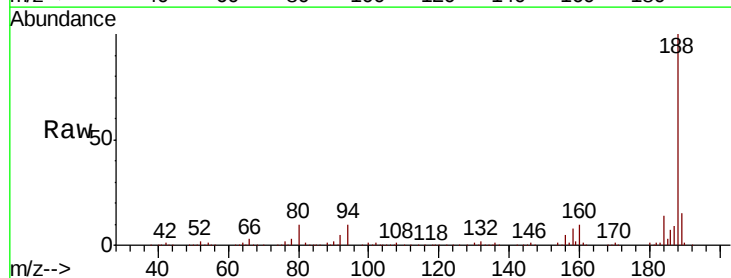


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

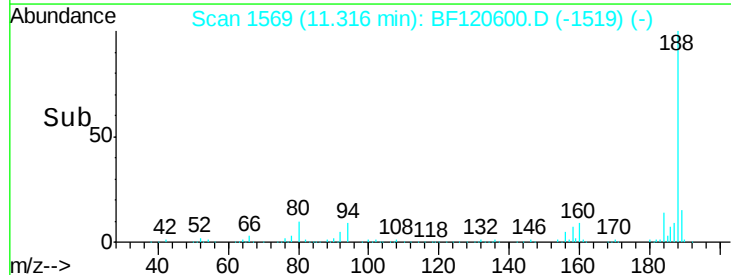
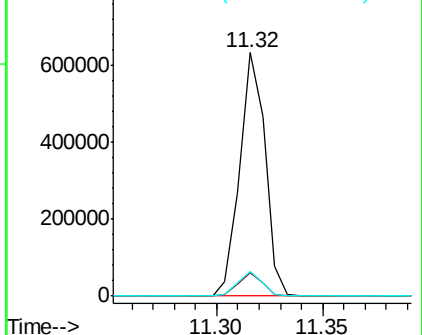


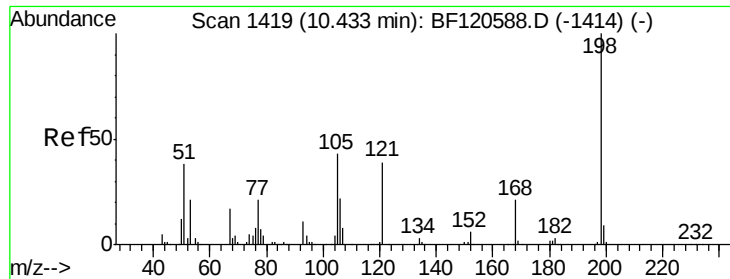
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.0	7.4	11.2



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





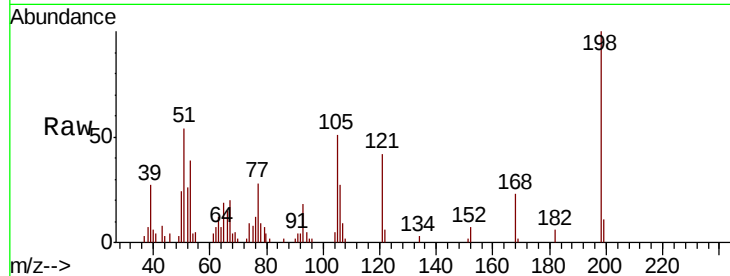
#65
4,6-Dinitro-2-methylphenol
Concen: 5.180 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

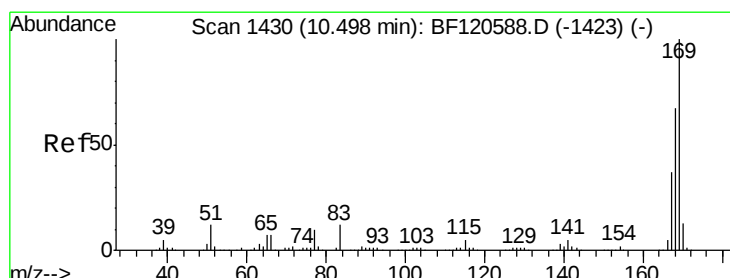
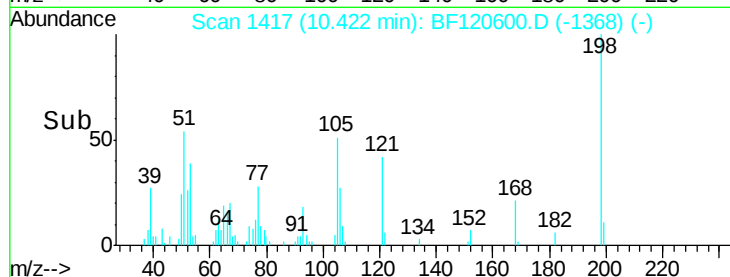
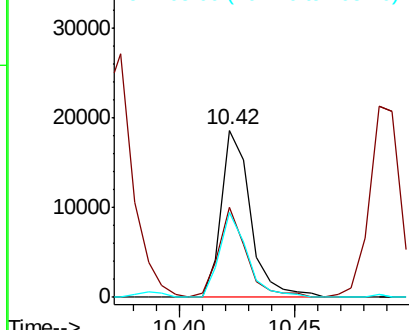
Tot Ion	Ratio	Lower	Upper
198	100		
51	53.9	24.8	64.8
105	50.8	23.9	63.9

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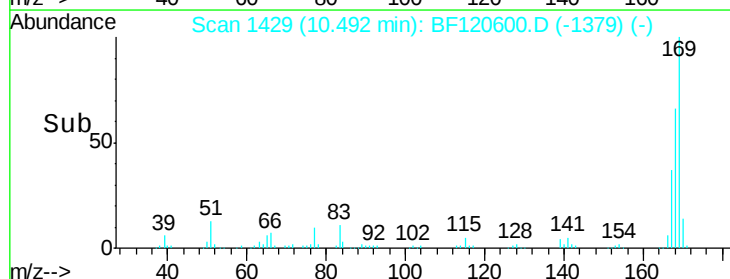
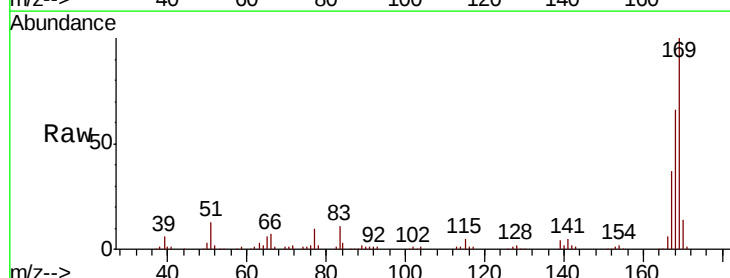
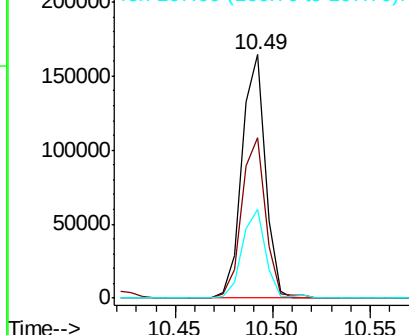
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

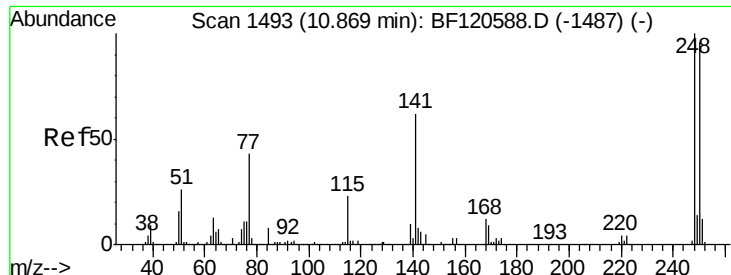


#66
n-Nitrosodiphenylamine
Concen: 8.484 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.7	80.5
167	36.5	29.9	44.9

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





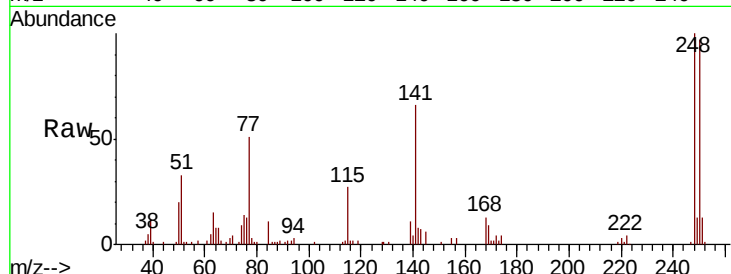
#67
4-Bromophenyl-phenylether
Concen: 7.763 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.9	76.7	115.1
141	66.4	49.4	74.0

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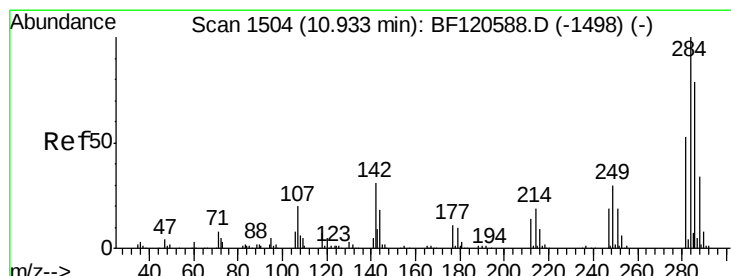
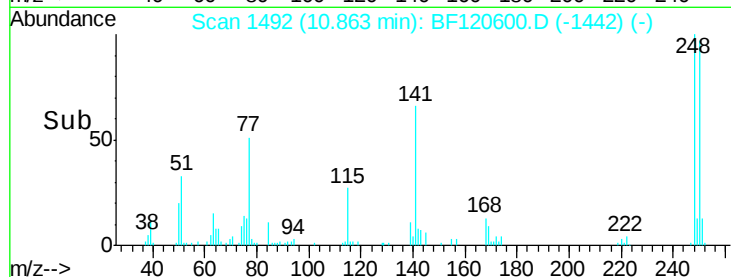
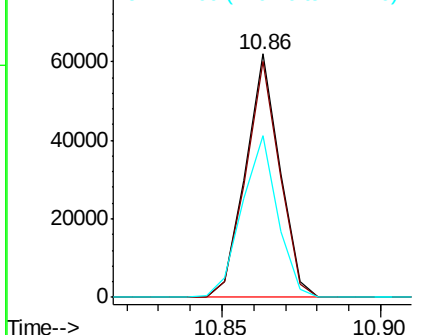


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 8.267 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

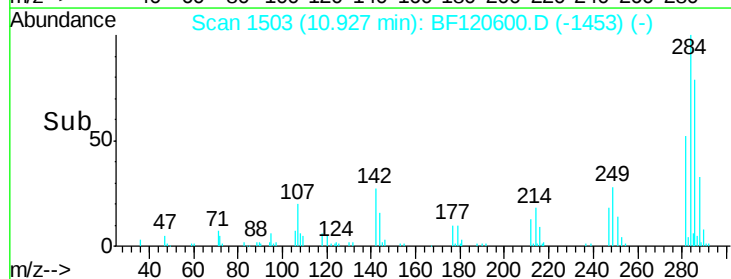
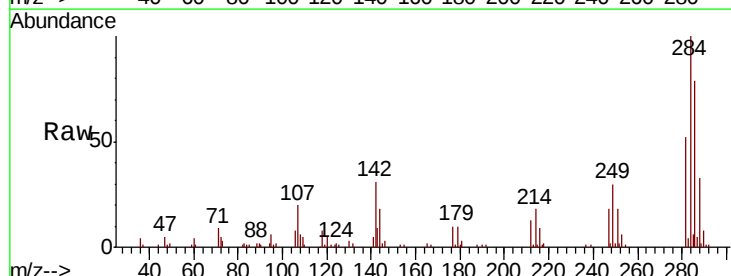
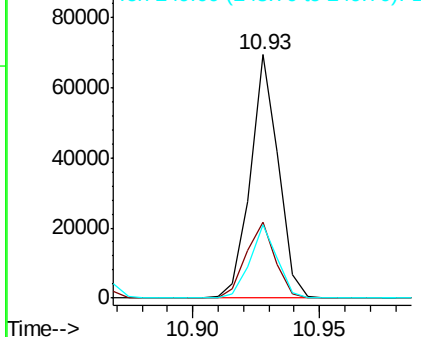
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.3	25.1	37.7
249	30.4	24.0	36.0

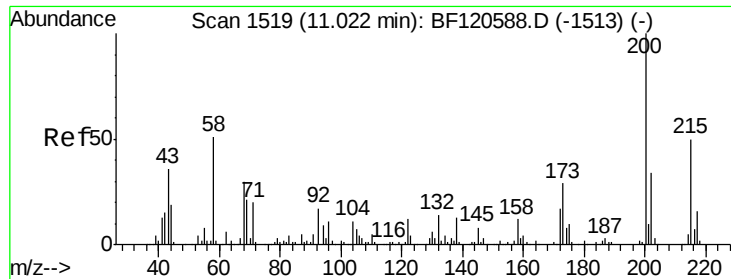
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





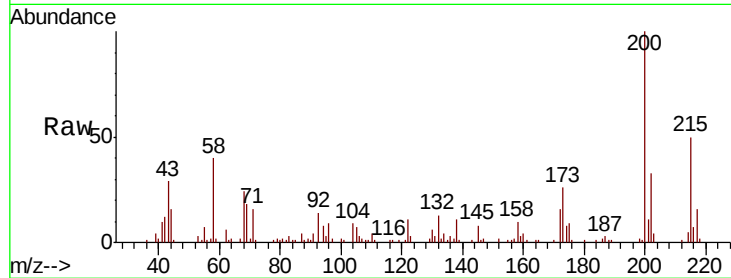
#69
Atrazine
Concen: 8.909 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.7	9.1	49.1
215	50.0	29.8	69.8

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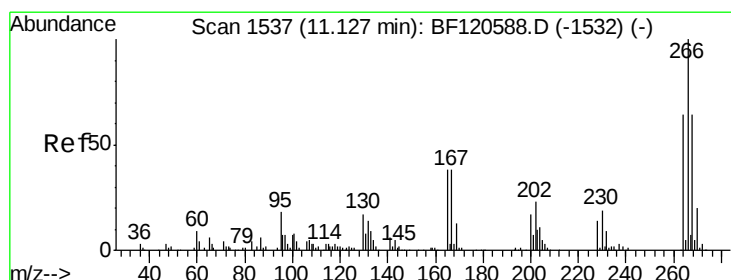
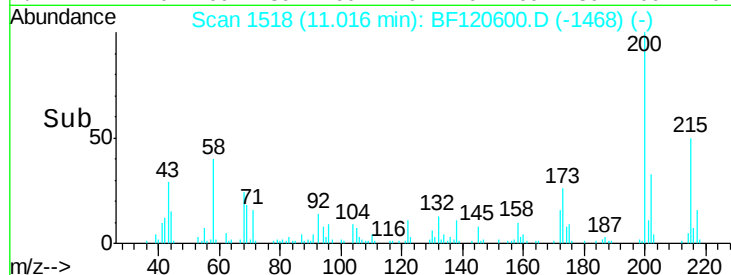
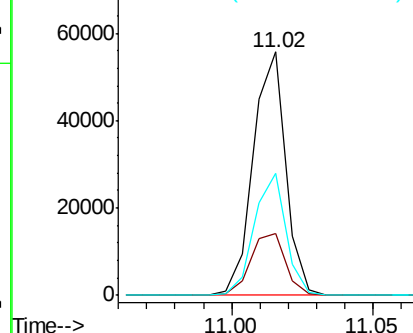


Abundance

Ion 200.00 (199.70 to 200.70): E

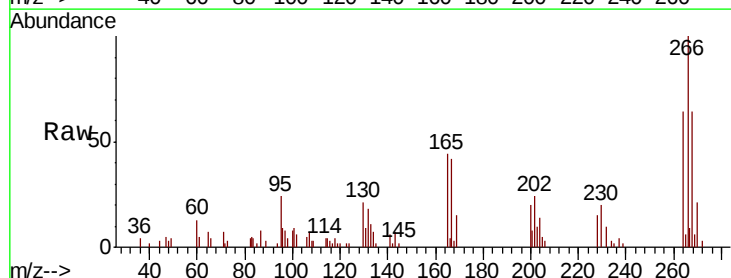
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 4.988 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.4	77.0
264	63.9	50.8	76.2

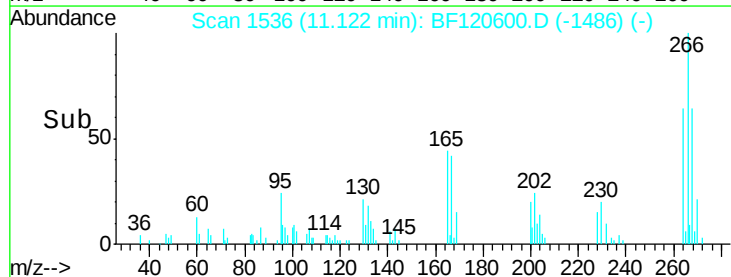
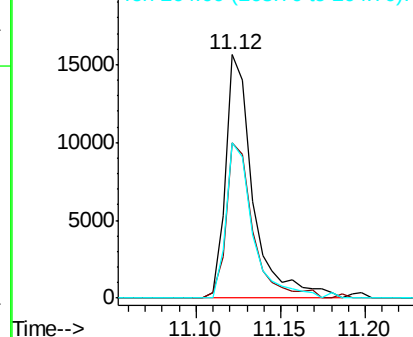


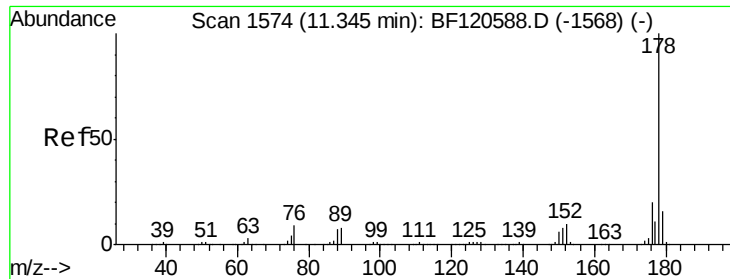
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





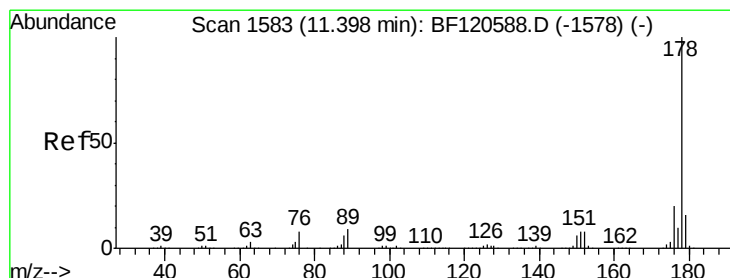
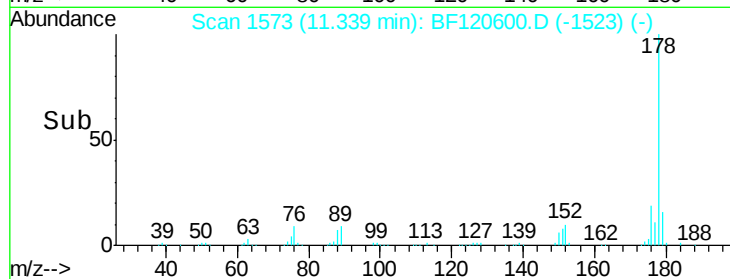
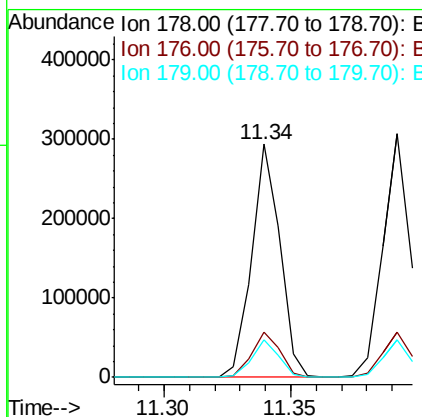
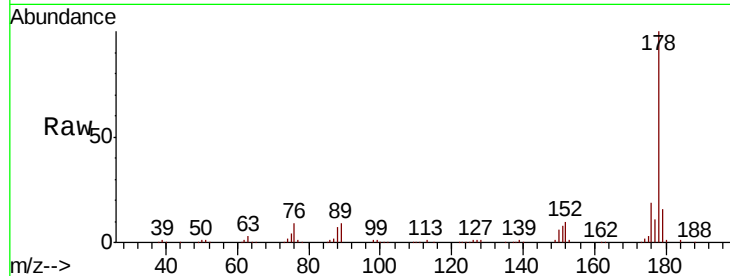
#71
 Phenanthrene
 Concen: 8.753 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.9	12.8	19.2

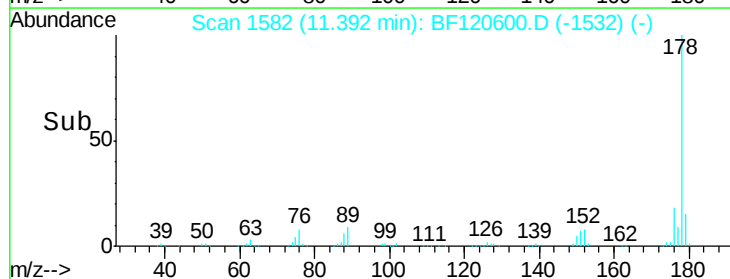
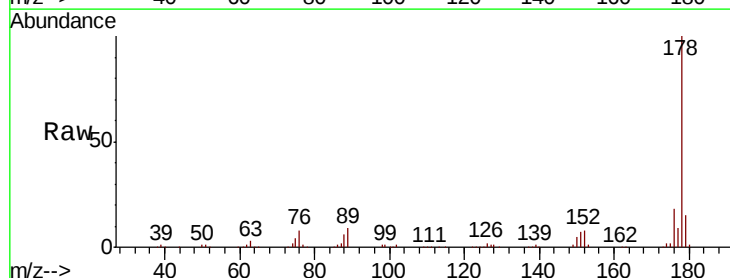
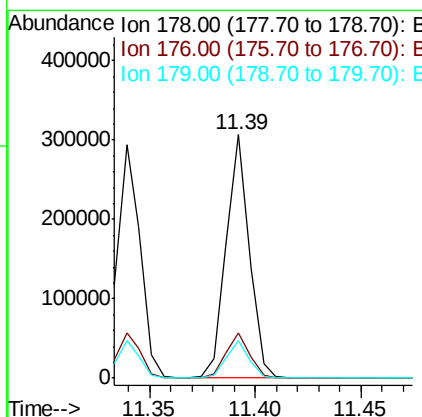
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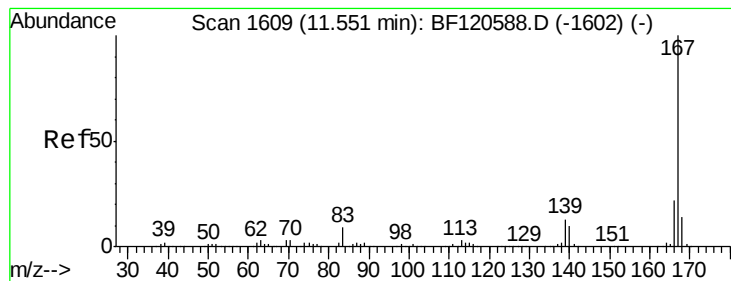
mohammad
 6/15/2020 8:42:47 AM



#72
 Anthracene
 Concen: 8.843 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.3	12.9	19.3





#73

Carbazole

Concen: 8.064 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

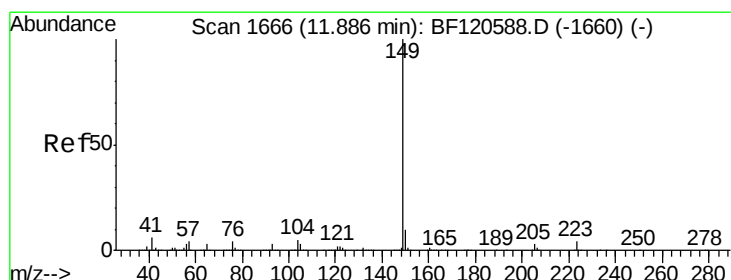
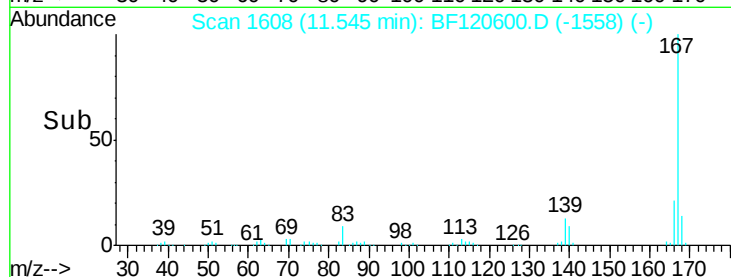
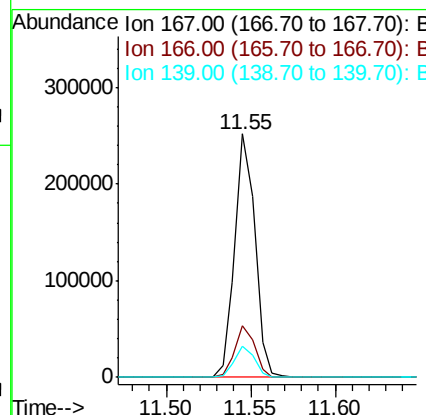
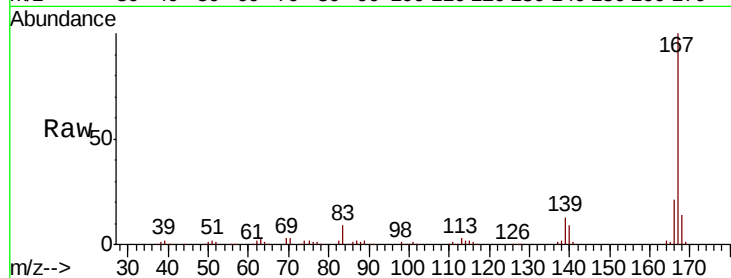
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	167	Resp:	210051
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.2	25.8
139	12.6	10.1	15.1

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#74

Di-n-butylphthalate

Concen: 8.509 ng

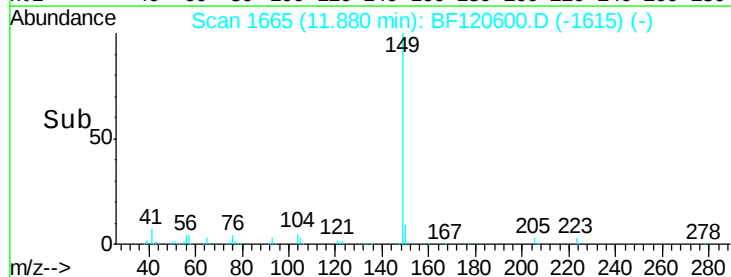
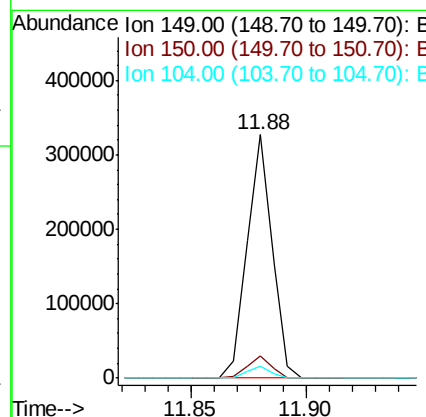
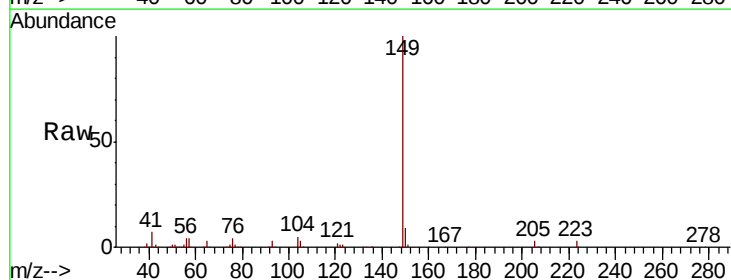
RT: 11.88 min Scan# 1665

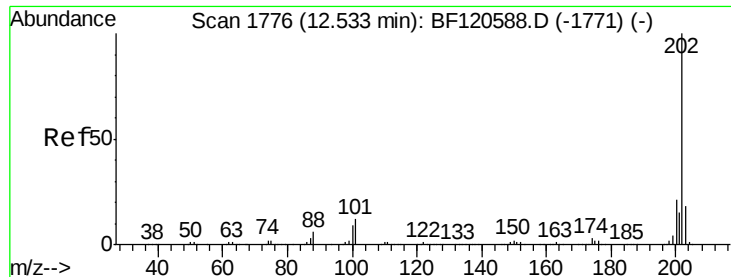
Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Tgt Ion:	149	Resp:	249194
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.7	11.5
104	4.7	3.7	5.5





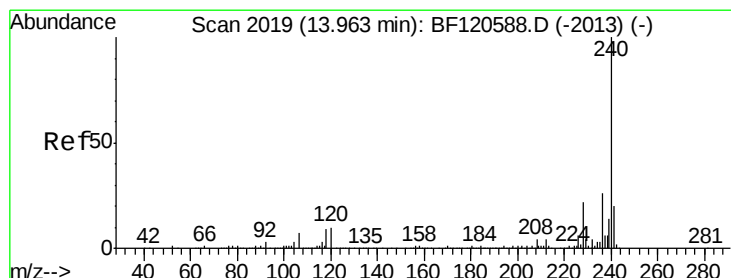
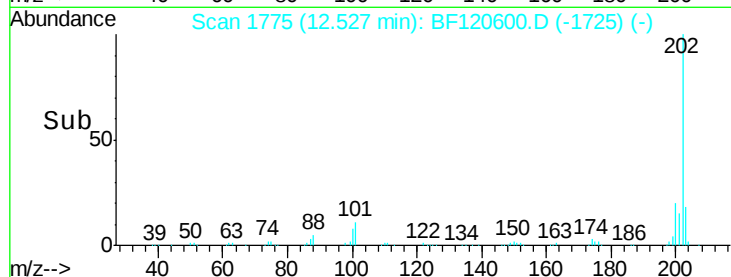
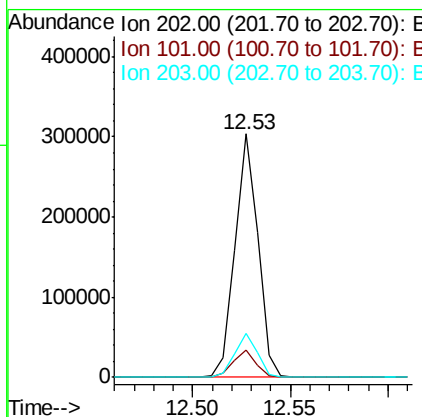
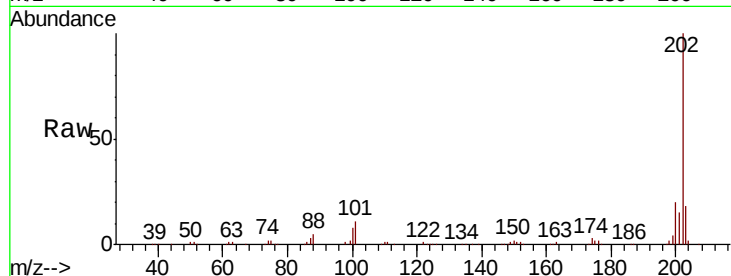
#75
Fluoranthene
Concen: 8.269 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	32.0
203	17.8	0.0	38.3

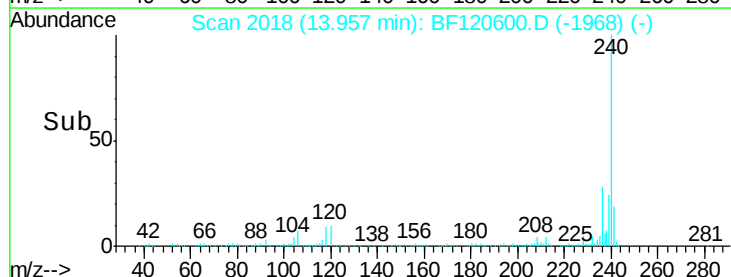
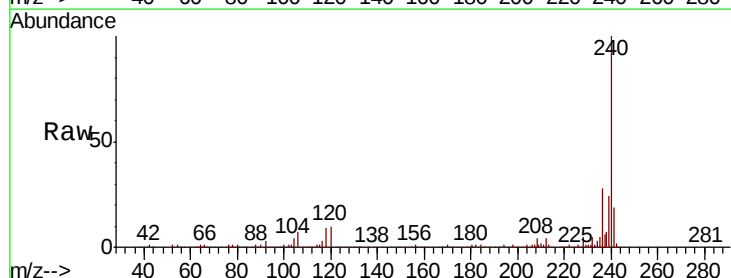
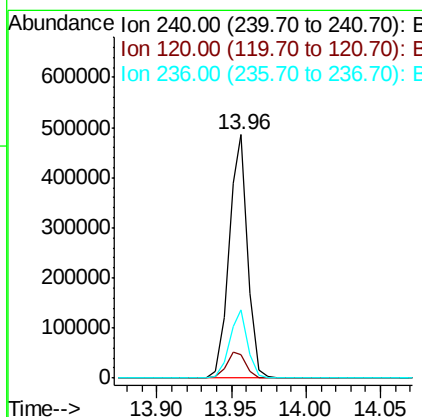
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	8.3	12.5
236	28.0	21.0	31.4





#77

Benzidine

Concen: 9.096 ng/mL

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

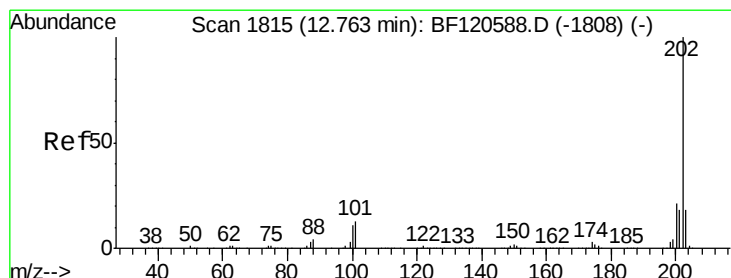
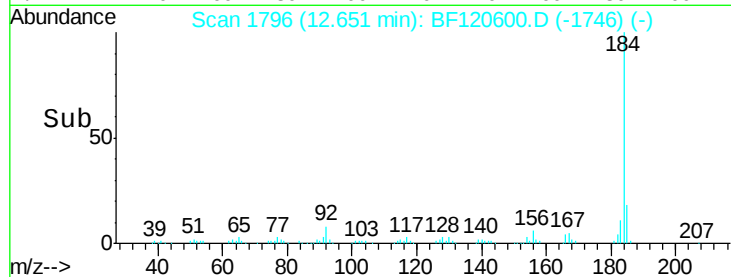
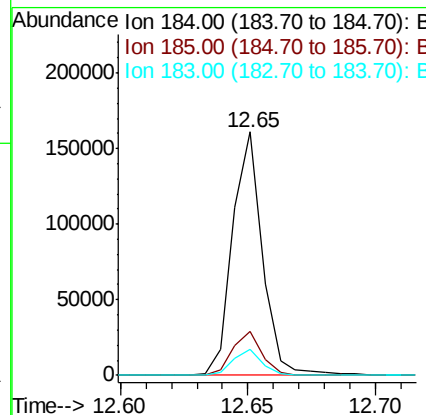
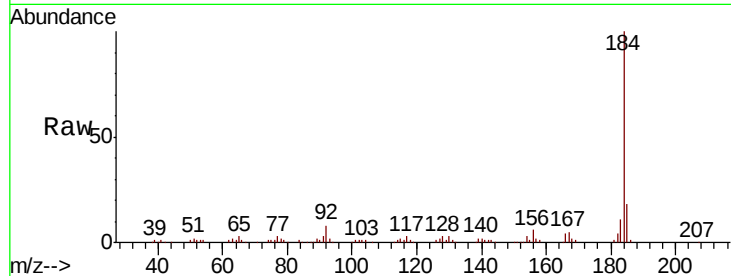
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	184	Resp:	130491
Ion Ratio	Lower	Upper	
184	100		
185	17.9	11.4	17.0#
183	10.6	9.0	13.6

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#78

Pyrene

Concen: 8.653 ng/mL

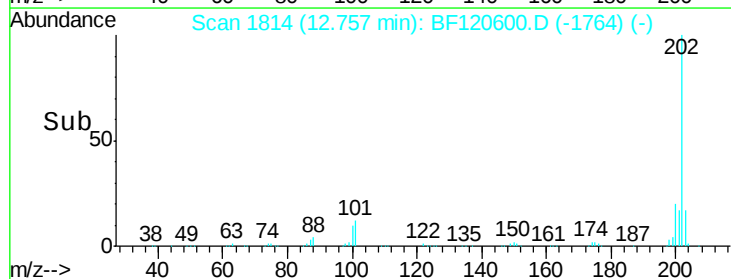
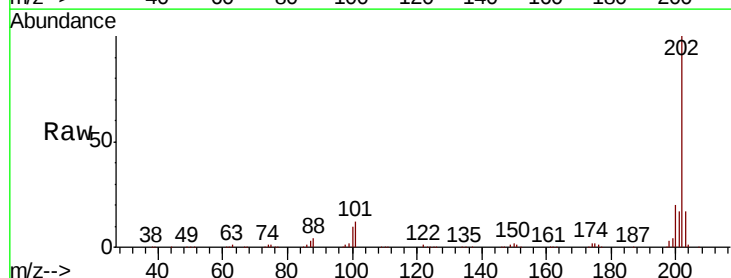
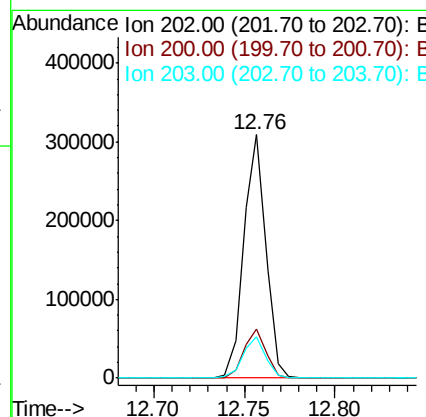
RT: 12.76 min Scan# 1814

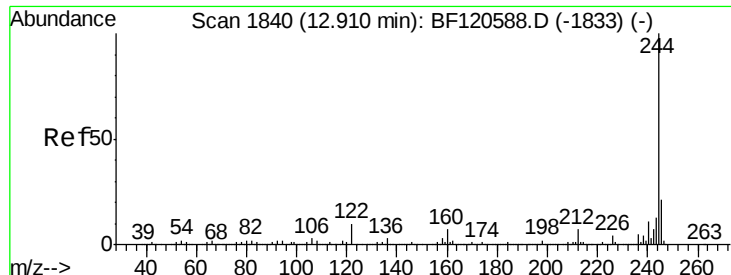
Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Tgt Ion:	202	Resp:	260040
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.8	25.2
203	16.9	14.3	21.5





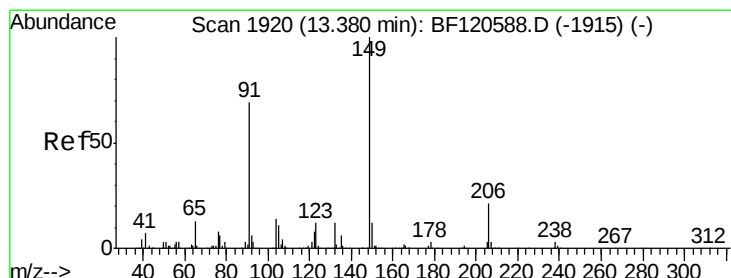
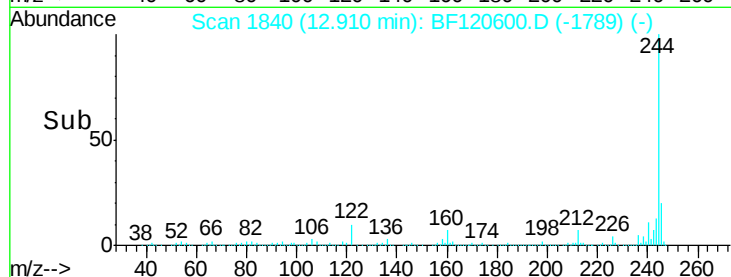
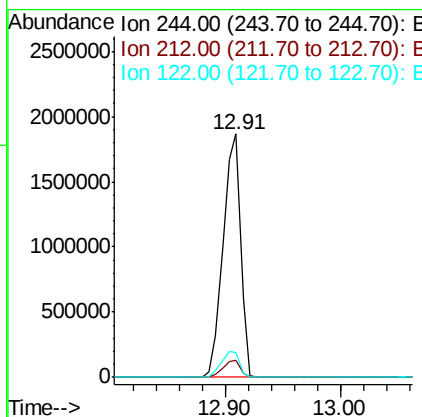
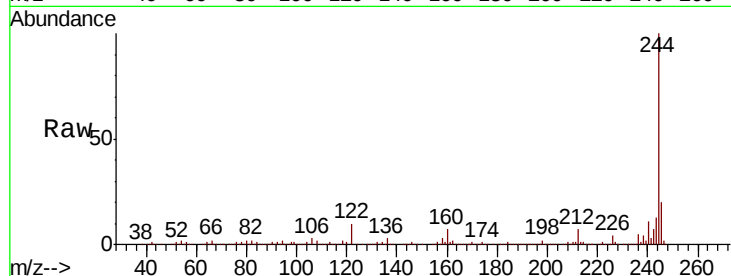
#79
Terphenyl-d14
Concen: 102.125 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.4	8.3	12.5

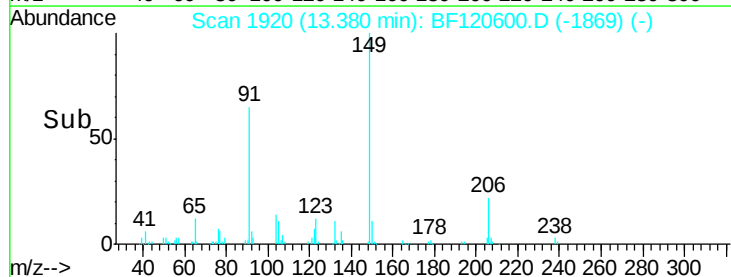
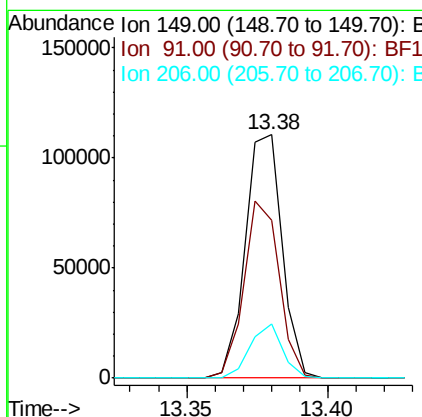
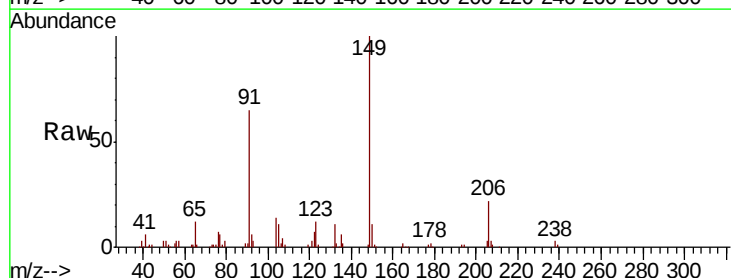
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#80
Butylbenzylphthalate
Concen: 7.527 ng
RT: 13.38 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.1	55.4	83.0
206	22.1	17.0	25.4





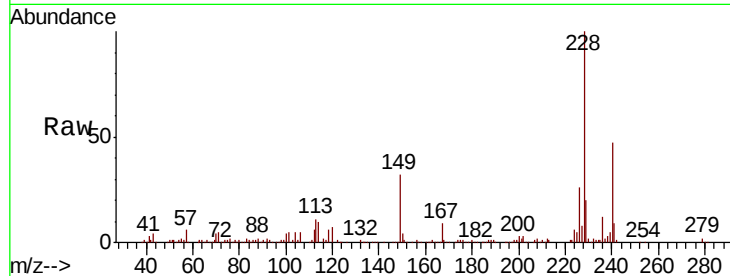
#81
Benzo(a)anthracene
Concen: 9.361 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.5	33.7
229	19.8	16.1	24.1

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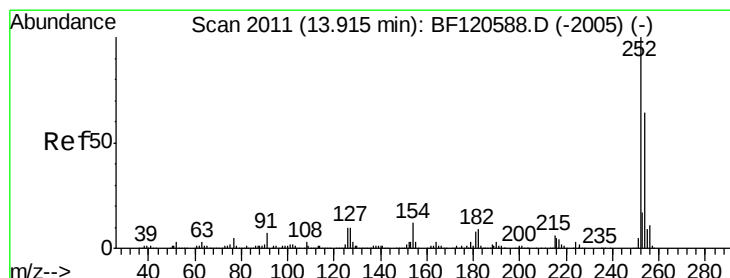
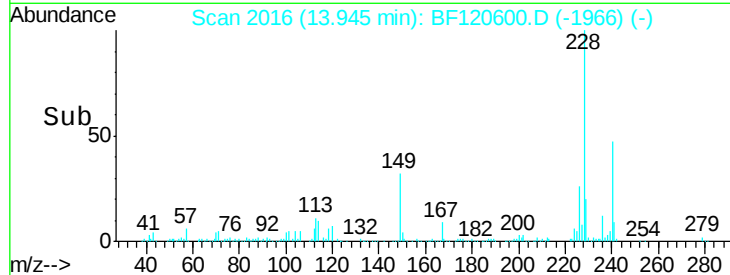
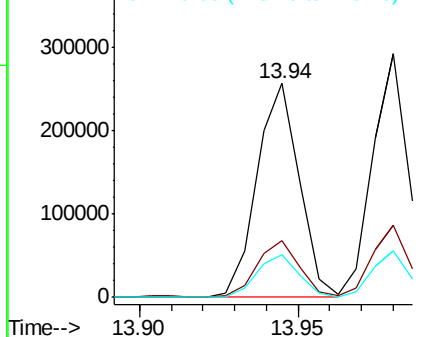


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 9.382 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

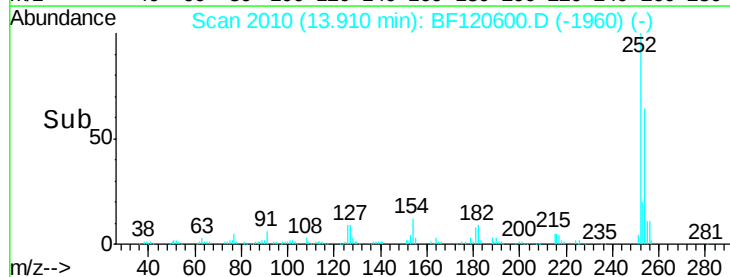
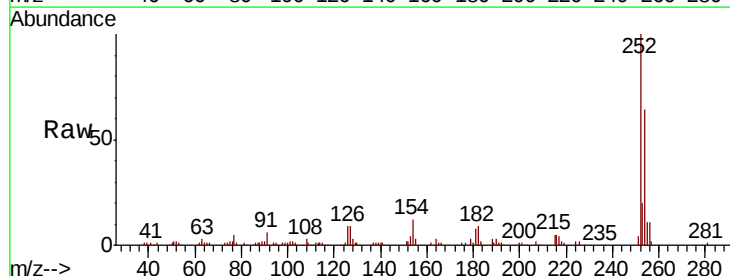
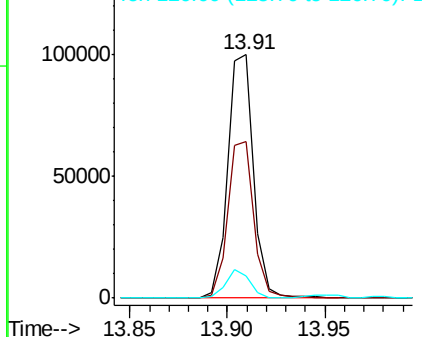
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	9.0	7.9	11.9

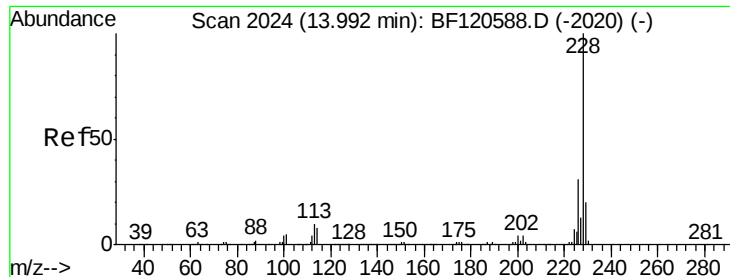
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





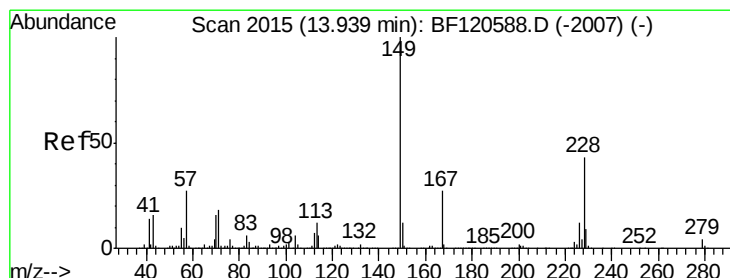
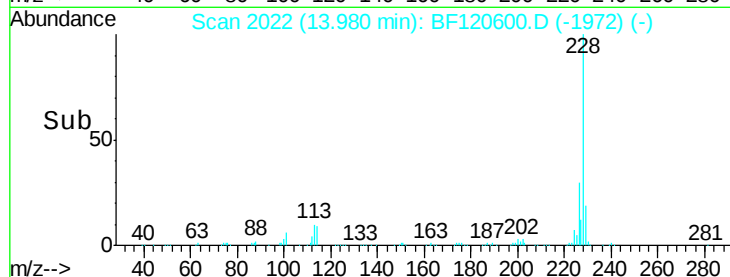
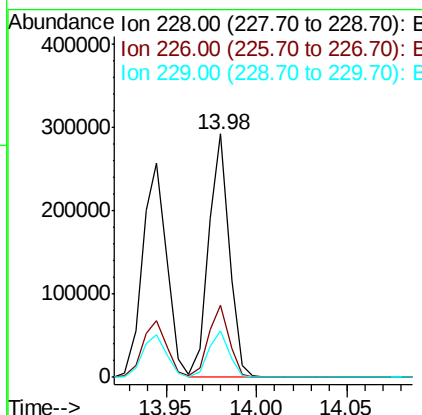
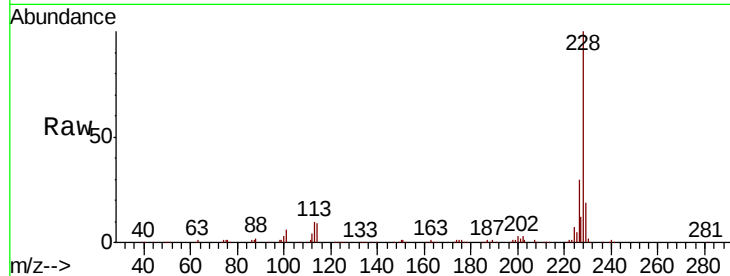
#83
Chrysene
Concen: 8.815 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	19.0	16.1	24.1

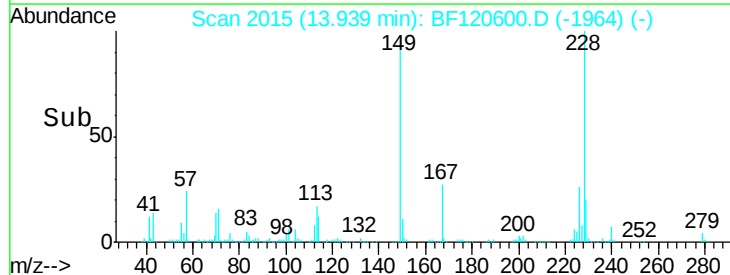
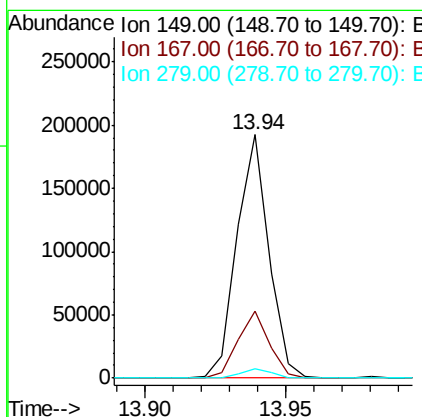
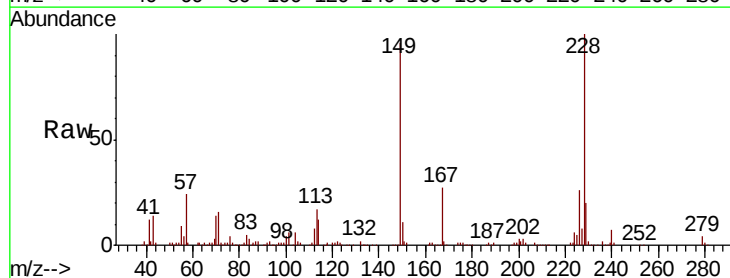
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#84
Bis(2-ethylhexyl)phthalate
Concen: 9.302 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.0	33.0
279	4.1	3.0	4.6





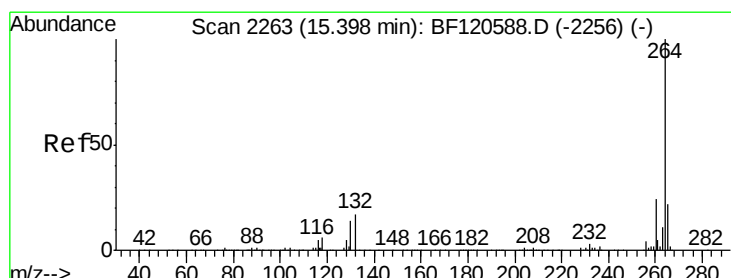
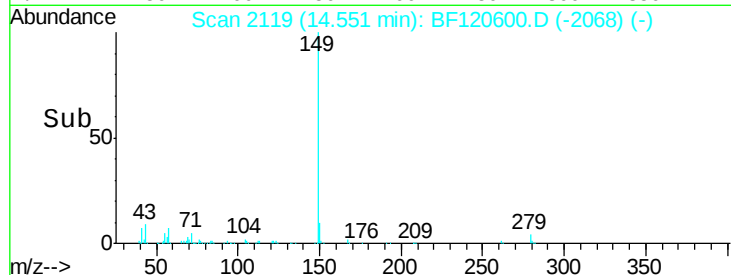
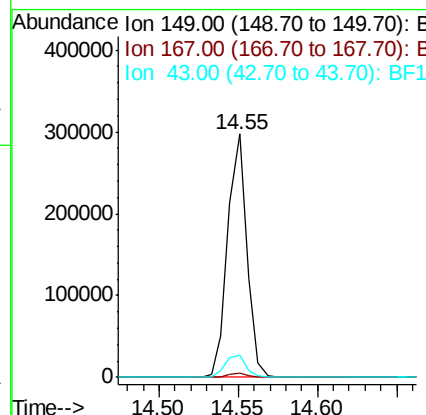
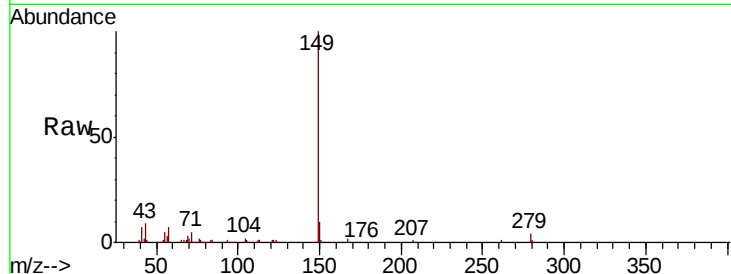
#85
Di-n-octyl phthalate
Concen: 8.054 ng
RT: 14.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	250311		
167	1.5		1.3	1.9
43	10.2		7.6	11.4

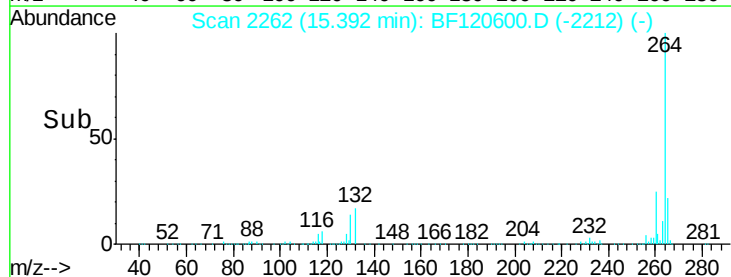
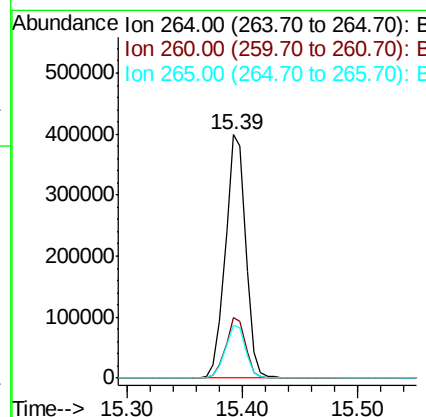
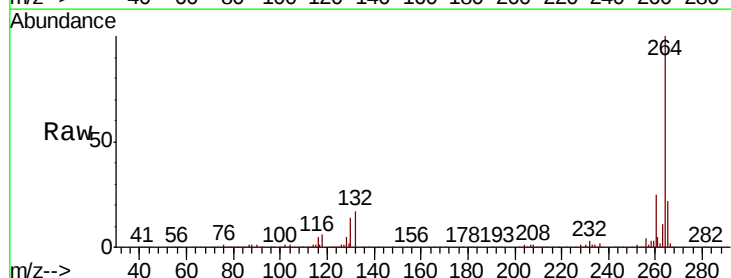
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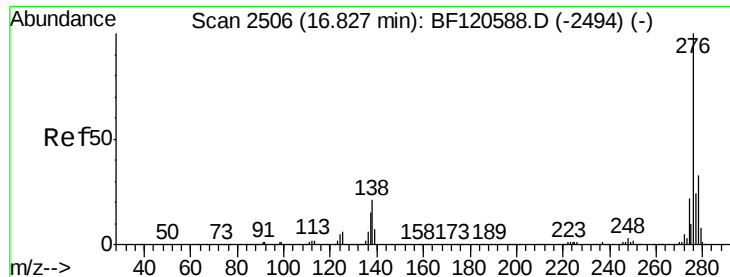
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	485365		
260	24.7		19.3	28.9
265	21.8		17.8	26.8





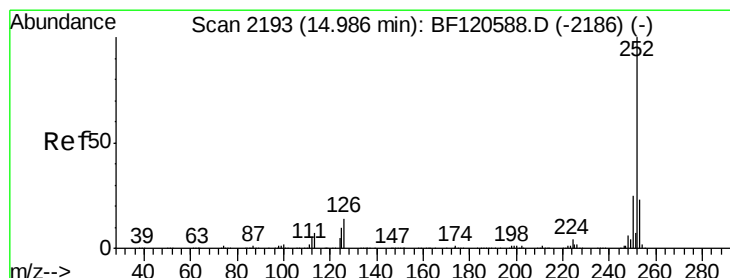
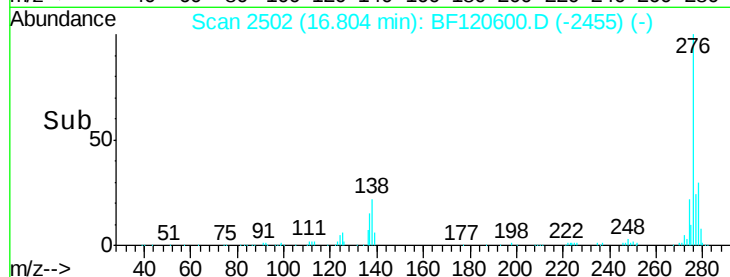
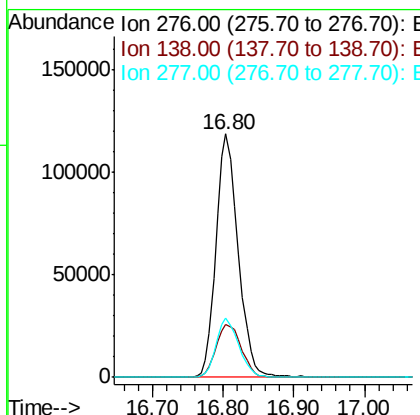
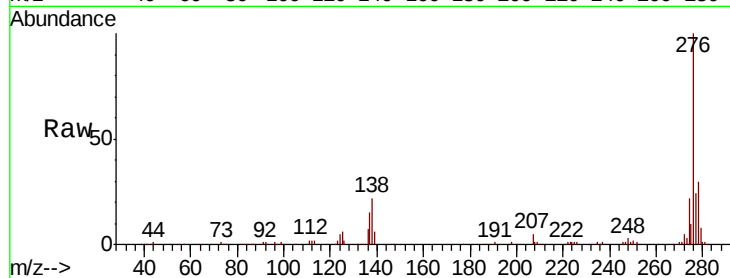
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.757 ng
RT: 16.80 min Scan# 2502
Delta R.T. -0.02 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	18.9	28.3
277	24.9	20.2	30.2

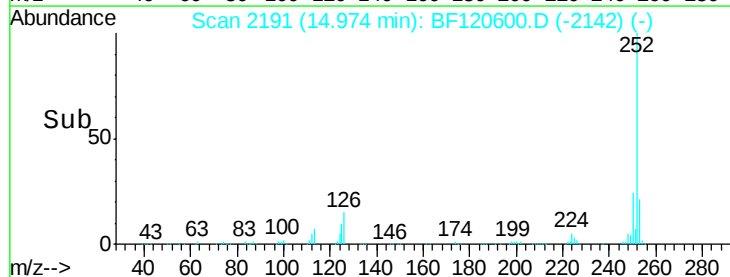
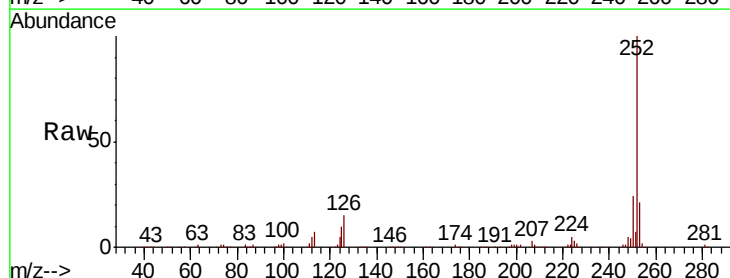
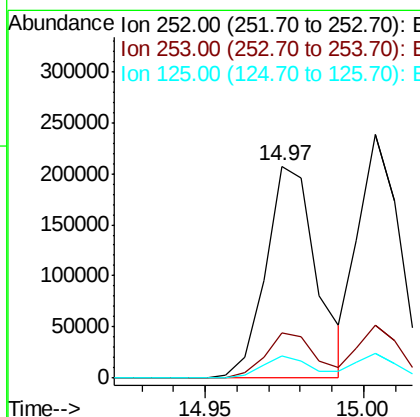
Manual Integrations
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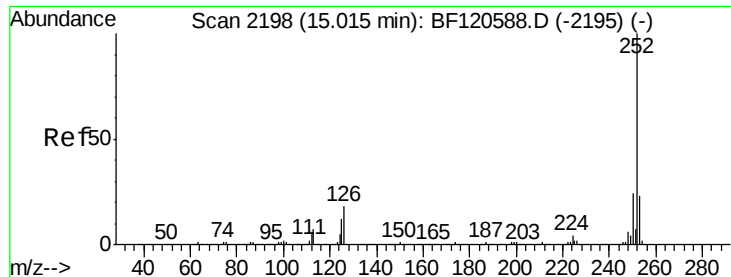
mohammad
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#88
Benzo(b)fluoranthene
Concen: 7.994 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	10.3	8.3	12.5





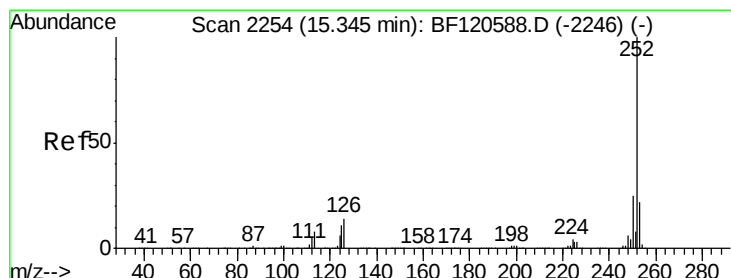
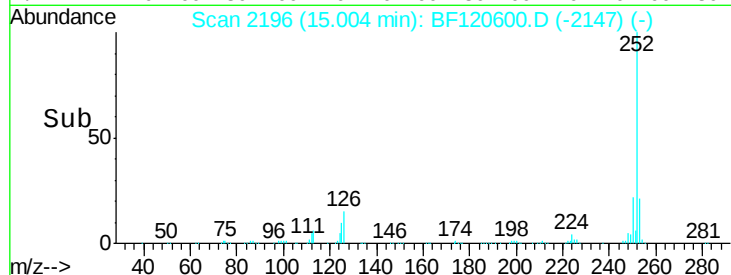
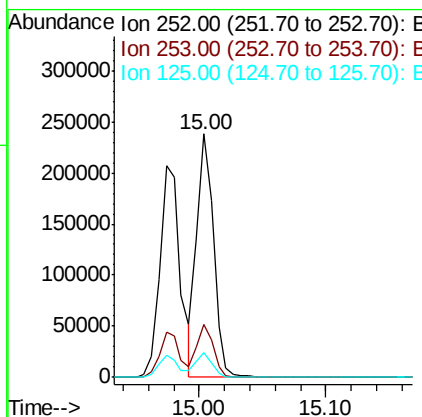
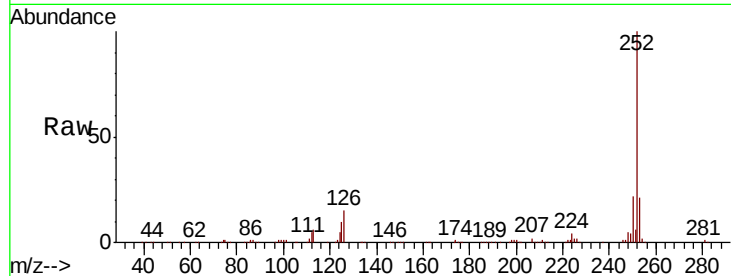
#89
Benzo(k)fluoranthene
Concen: 8.495 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	10.1	8.3	12.5

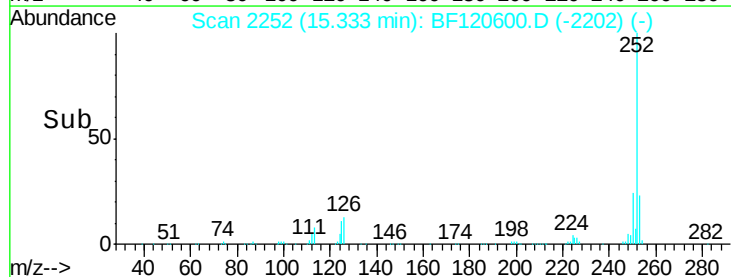
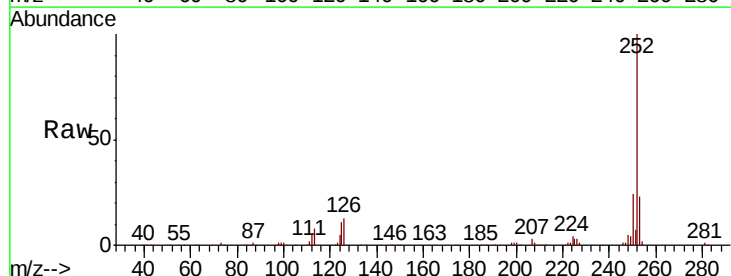
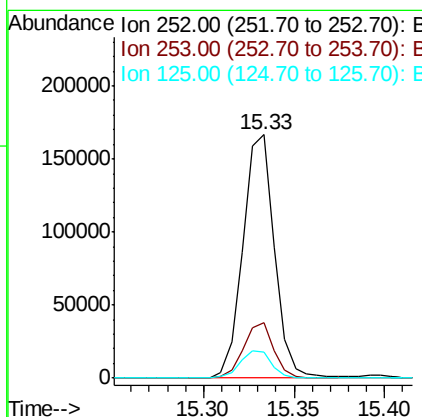
Manual Integrations
APPROVED

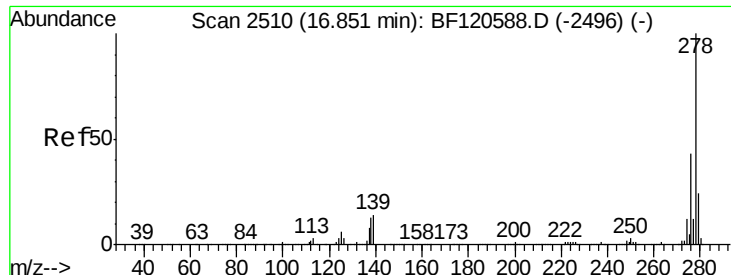
mohammad
6/15/2020 8:42:47 AM



#90
Benzo(a)pyrene
Concen: 7.779 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	10.6	8.6	12.8





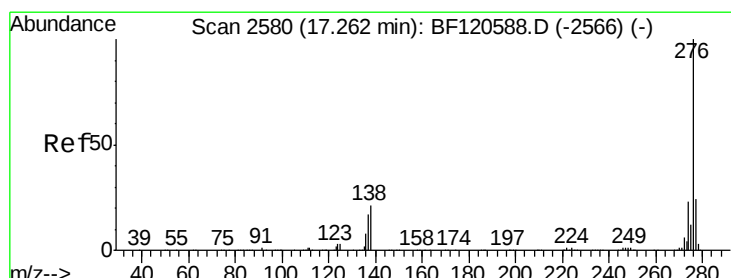
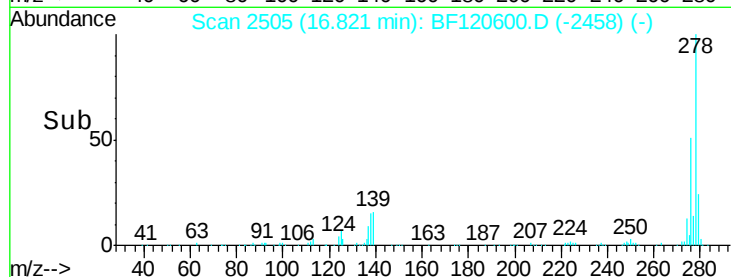
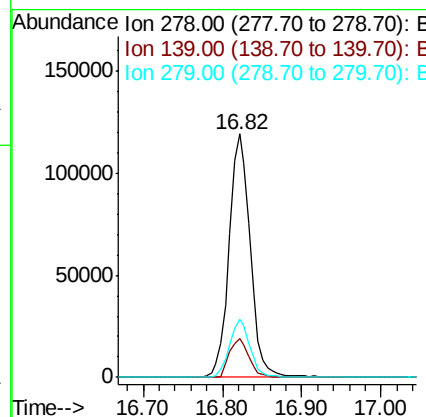
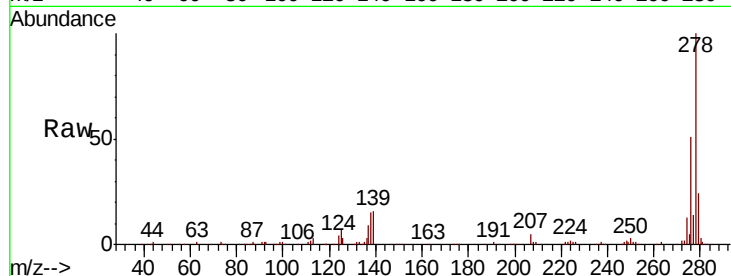
#91
Dibenzo(a,h)anthracene
Concen: 9.277 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.0	11.4	17.2
279	23.8	19.1	28.7

Manual Integrations
APPROVED

mohammad
6/15/2020 8:42:47 AM



#92
Benzo(g,h,i)perylene
Concen: 9.118 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.03 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.6	29.4
138	21.1	16.5	24.7

