

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120809.D
 Acq On : 9 Jul 2020 10:36
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
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mohammad
 7/10/2020 11:47:32 AM

Quant Time: Jul 09 12:55:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136779	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	514480	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	251987	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	447120	20.00	ng	0.00
76) Chrysene-d12	14.00	240	320705	20.00	ng	0.00
86) Perylene-d12	15.46	264	272507	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1203598	135.83	ng	0.00
7) Phenol-d6	6.47	99	1479562	130.75	ng	0.00
23) Nitrobenzene-d5	7.41	82	692166	77.95	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	362437	143.17	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1263514	75.86	ng	0.00
79) Terphenyl-d14	12.96	244	1045983	63.86	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	16604	4.102	ng	96
3) Pyridine	3.42	79	31179	2.812	ng	99
4) n-Nitrosodimethylamine	3.27	42	17841	3.217	ng	# 93
6) Aniline	6.51	93	52923	3.642	ng	100
8) 2-Chlorophenol	6.63	128	34250	3.631	ng	98
9) Benzaldehyde	6.40	77	29282	4.351	ng	99
10) Phenol	6.49	94	43797	3.763	ng	98
11) bis(2-Chloroethyl)ether	6.58	93	34366	3.628	ng	99
12) 1,3-Dichlorobenzene	6.79	146	38034	3.663	ng	96
13) 1,4-Dichlorobenzene	6.86	146	38238	3.677	ng	99
14) 1,2-Dichlorobenzene	7.02	146	36007	3.639	ng	98
15) Benzyl Alcohol	6.98	79	39374m	4.631	ng	
16) 2,2'-oxybis(1-Chloropropan	7.12	45	50079	3.390	ng	99
17) 2-Methylphenol	7.09	107	27195	3.222	ng	96
18) Hexachloroethane	7.36	117	13628	3.486	ng	94
19) n-Nitroso-di-n-propylamine	7.25	70	22696	3.331	ng	96
20) 3+4-Methylphenols	7.24	107	33080	3.183	ng	95
22) Acetophenone	7.25	105	50958	3.985	ng	96
24) Nitrobenzene	7.42	77	40216	4.034	ng	92
25) Isophorone	7.66	82	61756	3.225	ng	98
26) 2-Nitrophenol	7.74	139	9678	2.655	ng	93
27) 2,4-Dimethylphenol	7.77	122	26875	3.516	ng	94
28) bis(2-Chloroethoxy)methane	7.87	93	40517	3.575	ng	96
29) 2,4-Dichlorophenol	7.97	162	24046	3.151	ng	96
30) 1,2,4-Trichlorobenzene	8.07	180	30135	3.516	ng	98
31) Naphthalene	8.15	128	103004	3.746	ng	99
33) 4-Chloroaniline	8.19	127	37321	3.199	ng	# 94
34) Hexachlorobutadiene	8.27	225	16319	3.166	ng	98
35) Caprolactam	8.52	113	5502	2.474	ng	99
36) 4-Chloro-3-methylphenol	8.66	107	24458	3.081	ng	95
37) 2-Methylnaphthalene	8.84	142	64114	3.587	ng	96
38) 1-Methylnaphthalene	8.94	142	60334	3.604	ng	97
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	28506	3.743	ng	99
41) Hexachlorocyclopentadiene	9.00	237	11866	2.637	ng	93

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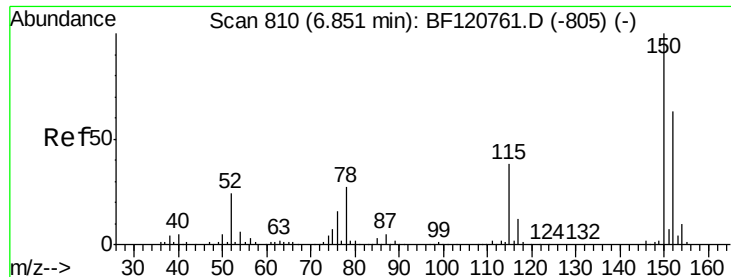
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
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 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.12	196	14473	2.789	nq	97
44) 2,4,5-Trichlorophenol	9.15	196	15807	2.745	nq	94
46) 1,1'-Biphenyl	9.30	154	82600	4.064	nq	99
47) 2-Chloronaphthalene	9.33	162	57137	3.509	nq	99
48) 2-Nitroaniline	9.42	65	13307	3.054	nq	# 80
49) Acenaphthylene	9.74	152	89505	3.506	nq	98
50) Dimethylphthalate	9.60	163	62378	3.393	nq	98
51) 2,6-Dinitrotoluene	9.66	165	10034	3.022	nq	92
52) Acenaphthene	9.92	154	52831	3.336	nq	97
53) 3-Nitroaniline	9.82	138	11835	2.885	nq	93
55) Dibenzofuran	10.09	168	82414	3.610	nq	99
56) 4-Nitrophenol	9.97	139	6779	2.250	nq	96
57) 2,4-Dinitrotoluene	10.06	165	11590	2.907	nq	98
58) Fluorene	10.43	166	60639	3.569	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	11944m	2.787	nq	
60) Diethylphthalate	10.30	149	61659	3.220	nq	99
61) 4-Chlorophenyl-phenylether	10.42	204	29626	3.468	nq	95
62) 4-Nitroaniline	10.43	138	10608	2.716	nq	97
63) Azobenzene	10.59	77	68395	3.492	nq	97
66) n-Nitrosodiphenylamine	10.54	169	51447	3.433	nq	99
67) 4-Bromophenyl-phenylether	10.92	248	16027	3.090	nq	98
68) Hexachlorobenzene	10.97	284	17771	3.265	nq	96
69) Atrazine	11.06	200	13017	3.372	nq	96
71) Phenanthrene	11.39	178	85583	3.528	nq	99
72) Anthracene	11.44	178	84828	3.460	nq	99
73) Carbazole	11.59	167	74578	3.166	nq	99
74) Di-n-butylphthalate	11.93	149	79454	2.724	nq	98
75) Fluoranthene	12.57	202	81533	3.155	nq	99
77) Benzidine	12.70	184	21952	2.425	nq	# 95
78) Pyrene	12.80	202	86865	3.391	nq	96
80) Butylbenzylphthalate	13.43	149	23339	2.111	nq	92
81) Benzo(a)anthracene	13.99	228	71576	3.482	nq	99
82) 3,3'-Dichlorobenzidine	13.96	252	18450	2.659	nq	# 96
83) Chrysene	14.03	228	70490	3.362	nq	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	38360	2.645	nq	# 100
87) Indeno(1,2,3-cd)pyrene	16.90	276	50304	2.878	nq	98
88) Benzo(b)fluoranthene	15.03	252	54255	3.028	nq	# 95
89) Benzo(k)fluoranthene	15.06	252	55534m	3.186	nq	
90) Benzo(a)pyrene	15.40	252	44920	2.811	nq	98
91) Dibenzo(a,h)anthracene	16.93	278	41743	2.865	nq	99
92) Benzo(g,h,i)perylene	17.34	276	41811	3.140	nq	98

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



#1

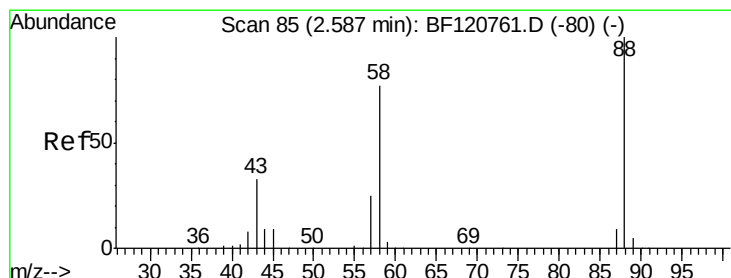
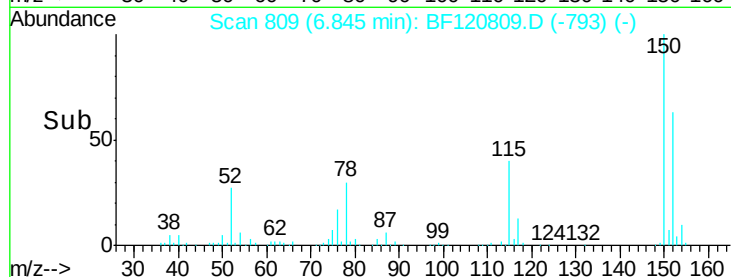
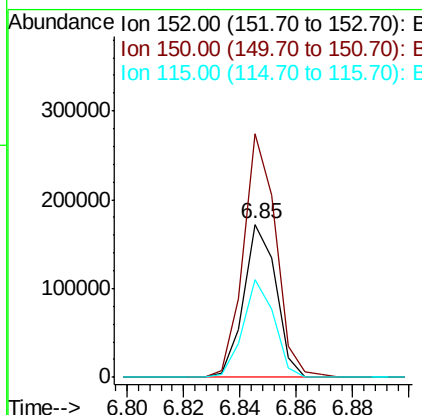
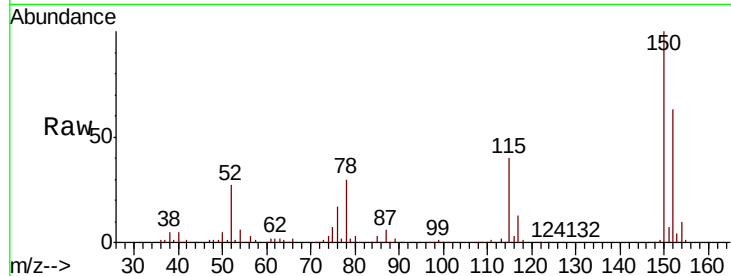
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.1	189.1
115	64.0	48.5	72.7

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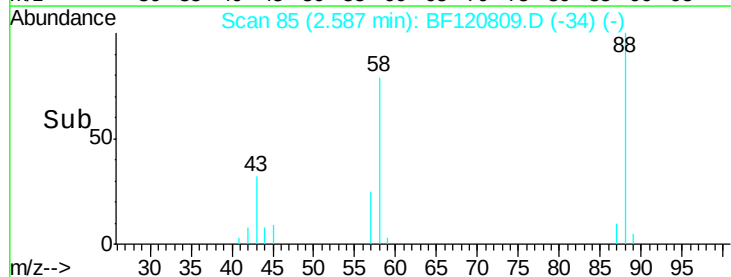
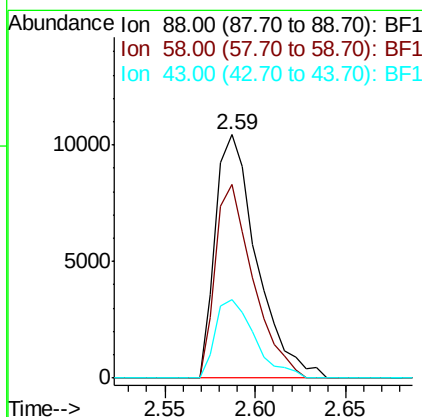
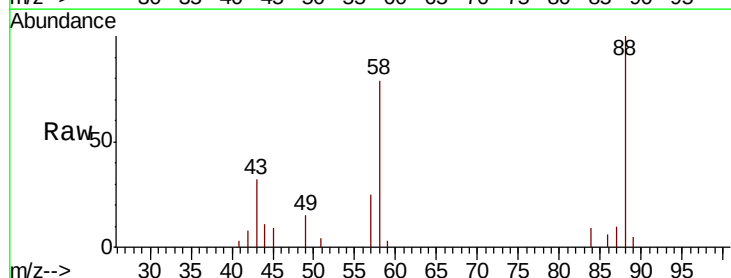
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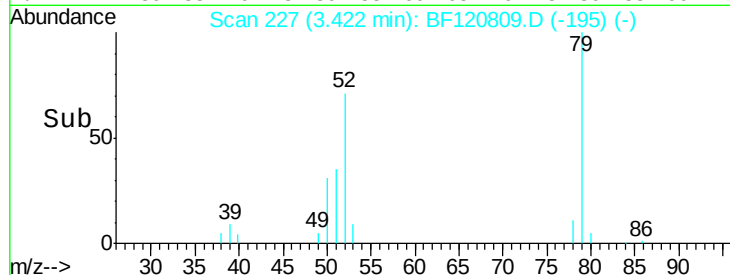
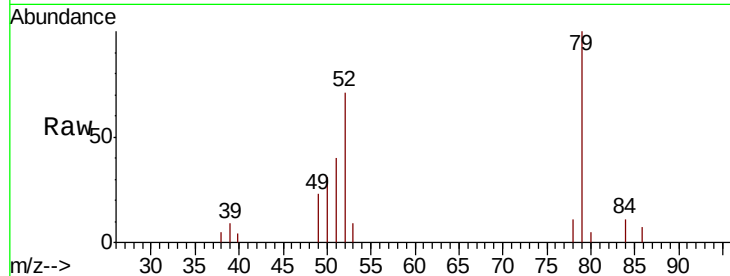
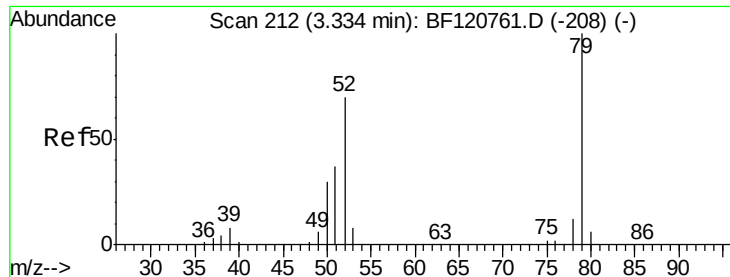


#2

1,4-Dioxane
Concen: 4.102 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.00 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.5	60.4	90.6
43	30.8	26.3	39.5





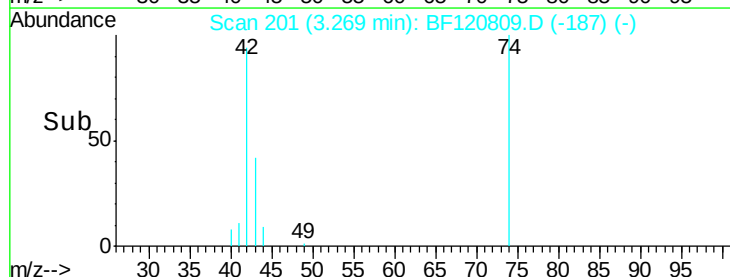
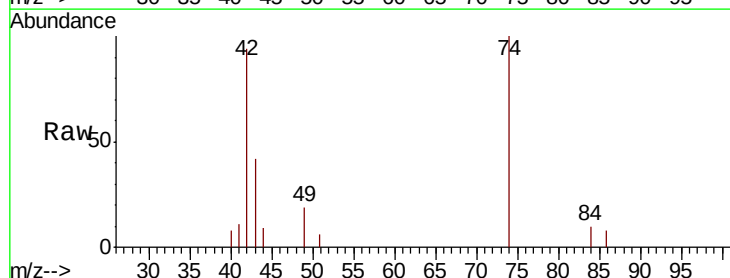
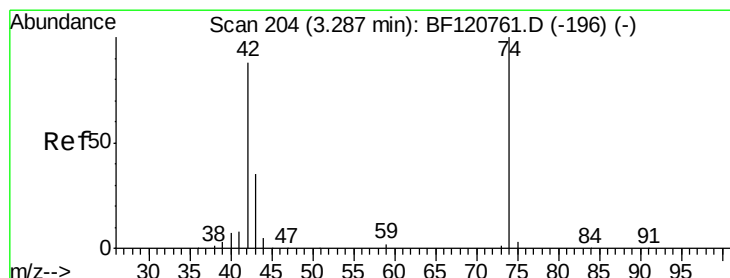
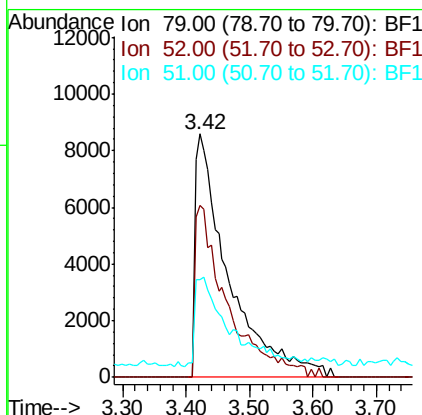
#3
Pvridine
Concen: 2.812 ng
RT: 3.42 min Scan# 227
Delta R.T. 0.09 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		31179		
52	70.6	56.3		84.5	
51	39.9	30.1		45.1	

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

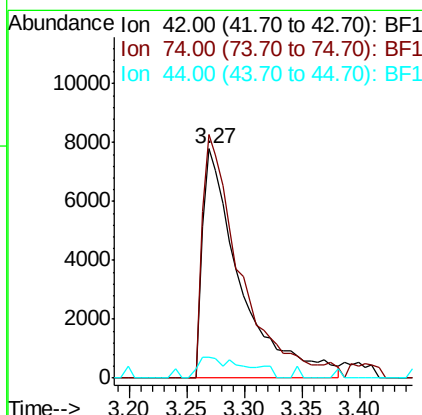
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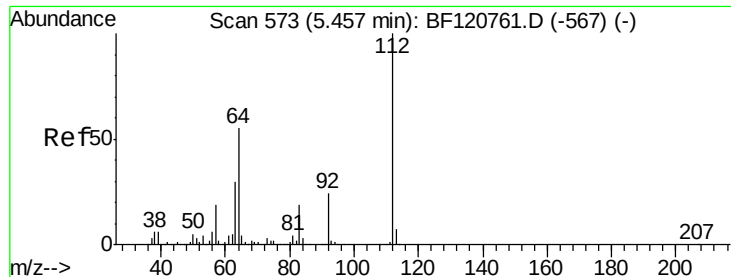
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#4
n-Nitrosodimethylamine
Concen: 3.217 ng
RT: 3.27 min Scan# 201
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		17841		
74	106.3	90.8		136.2	
44	9.2	5.8		8.8#	





#5

2-Fluorophenol

Concen: 135.835 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 112 Resp: 1203598

Ion Ratio Lower Upper

112 100

64 56.3 43.8 65.6

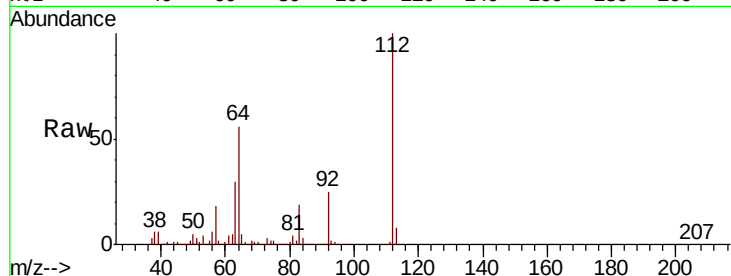
63 29.9 23.6 35.4

Manual Integrations

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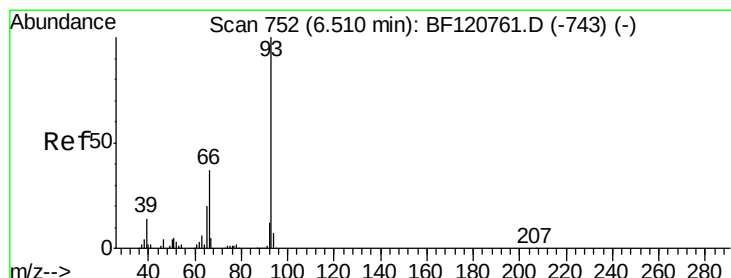
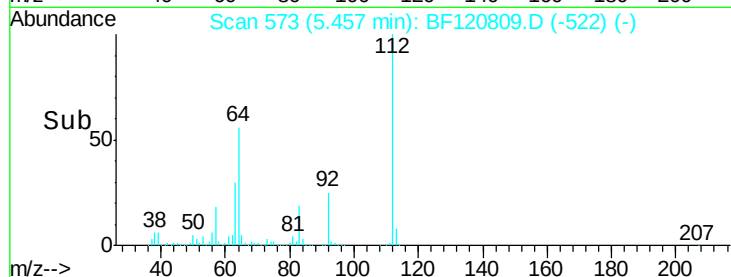
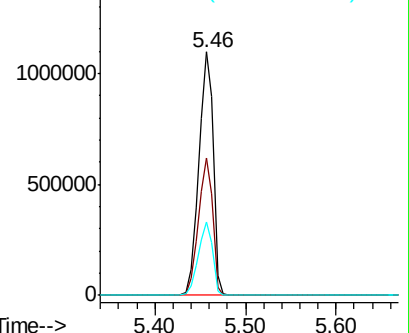
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 3.642 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

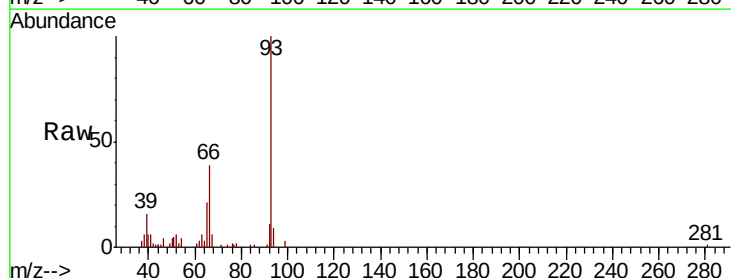
Tgt Ion: 93 Resp: 52923

Ion Ratio Lower Upper

93 100

66 39.1 31.3 46.9

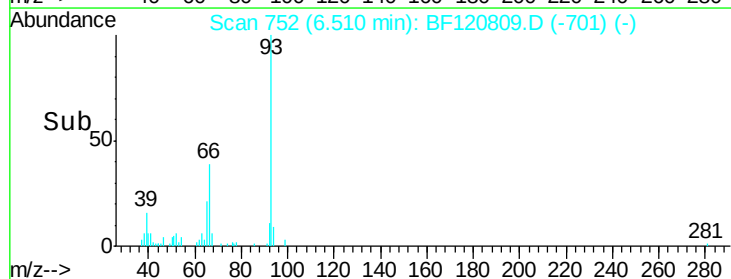
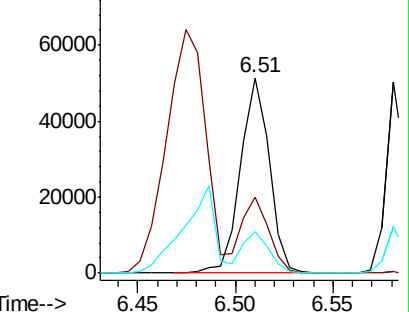
65 21.0 16.5 24.7

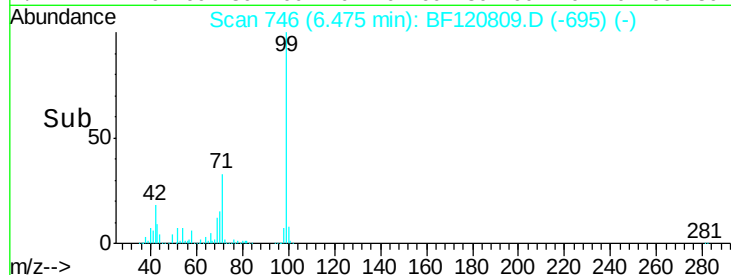
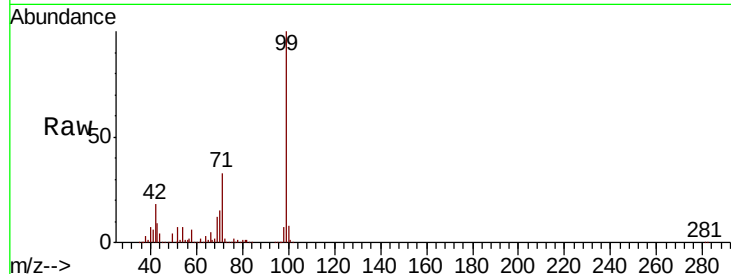
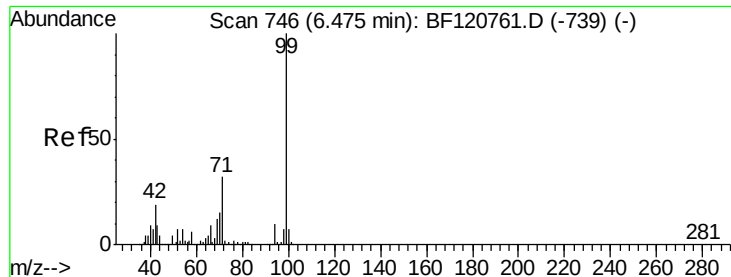


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 130.755 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tot Ion: 99 Resp: 1479562

Ion Ratio Lower Upper

99 100

42 18.5 15.4 23.0

71 32.6 25.9 38.9

Instrument :

BNA_F

ClientSampleId :

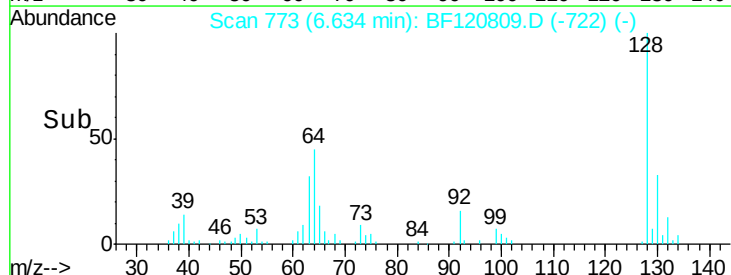
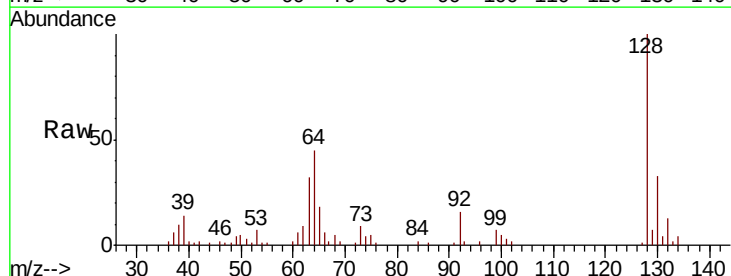
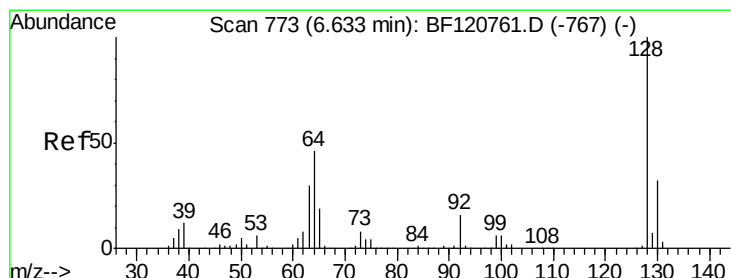
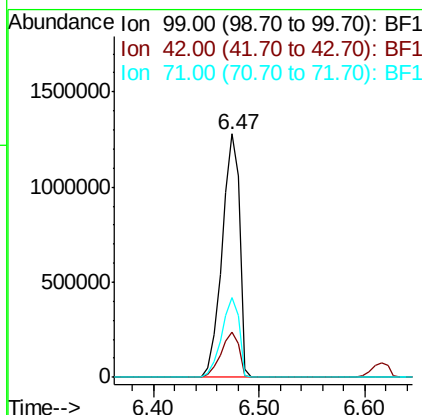
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#8

2-Chlorophenol

Concen: 3.631 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

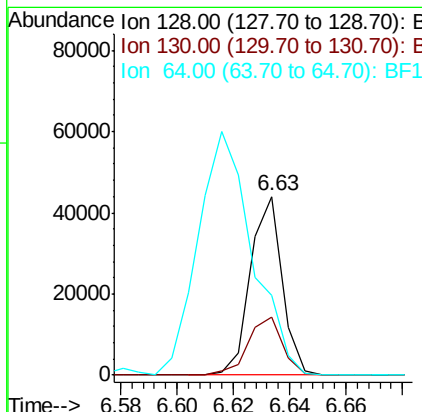
Tgt Ion:128 Resp: 34250

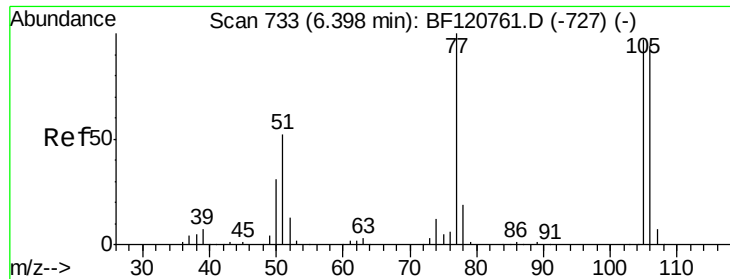
Ion Ratio Lower Upper

128 100

130 32.7 12.1 52.1

64 45.0 26.3 66.3





#9

Benzaldehyde

Concen: 4.351 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

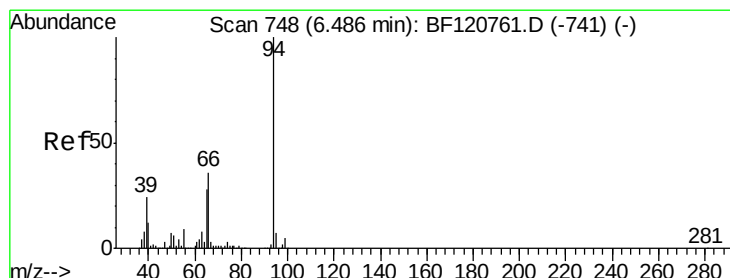
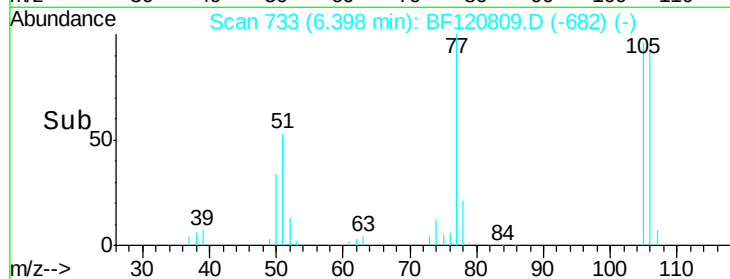
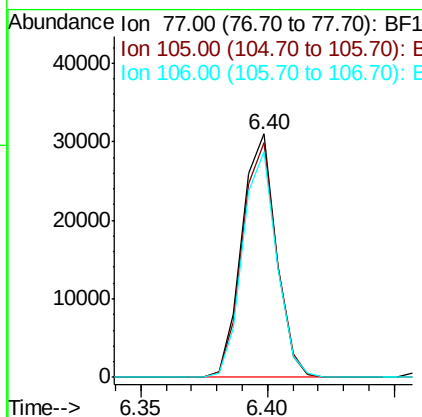
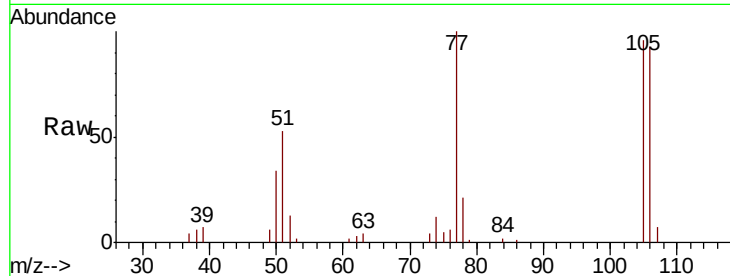
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	29282
Ion	Ratio	Lower	Upper
77	100		
105	96.5	76.8	116.8
106	92.8	73.8	113.8

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#10

Phenol

Concen: 3.763 ng

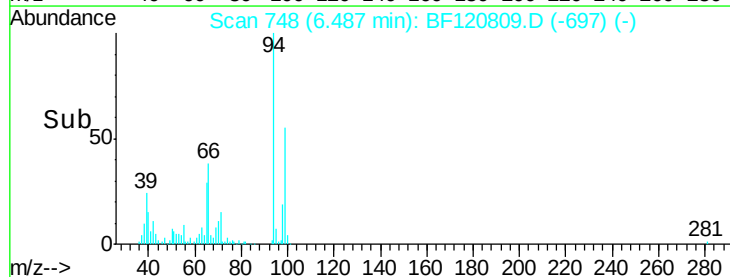
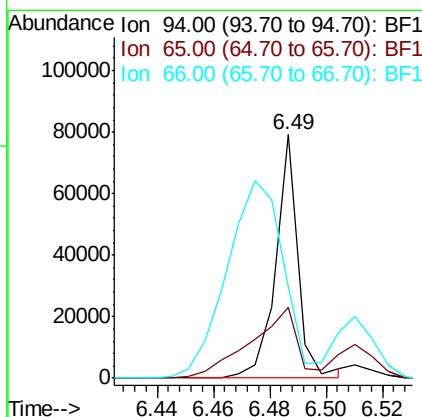
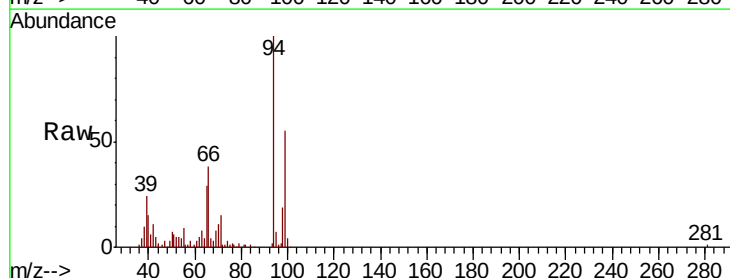
RT: 6.49 min Scan# 748

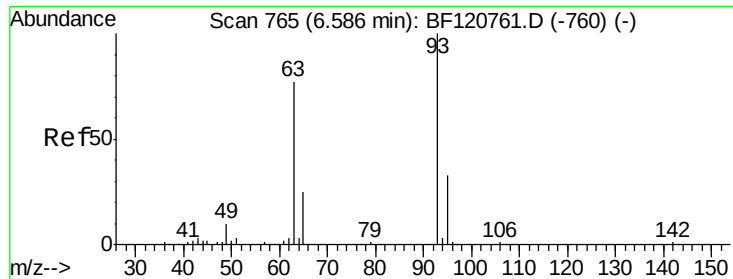
Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:	94	Resp:	43797
Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.4	48.4
66	37.7	16.5	56.5





#11

bis(2-Chloroethyl)ether

Concen: 3.628 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

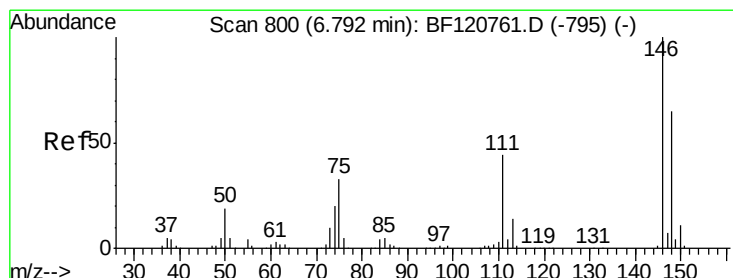
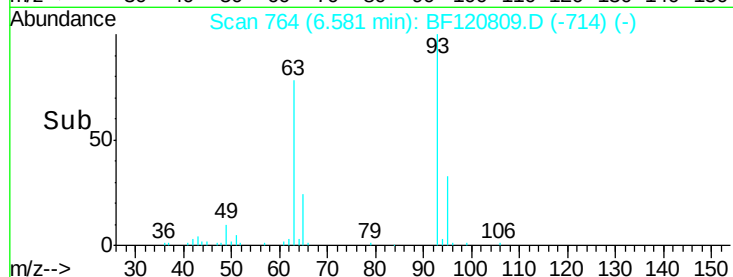
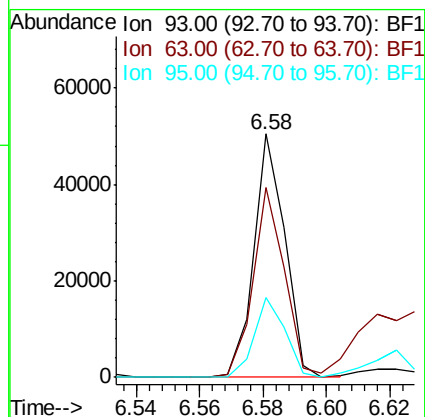
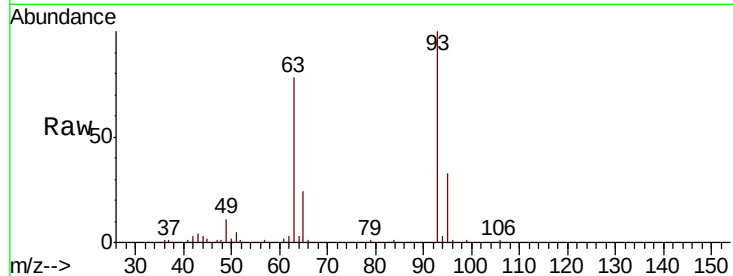
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	93	Resp:	34366
Ion	Ratio	Lower	Upper
93	100		
63	78.0	56.9	96.9
95	32.6	13.3	53.3

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#12

1,3-Dichlorobenzene

Concen: 3.663 ng

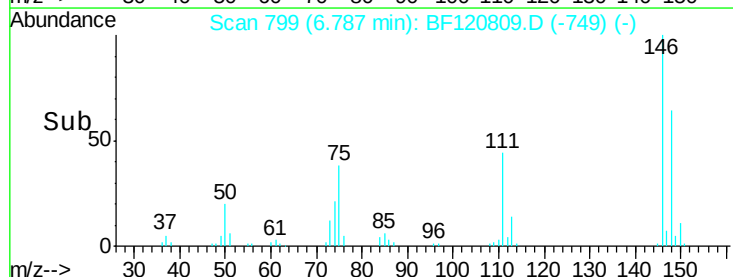
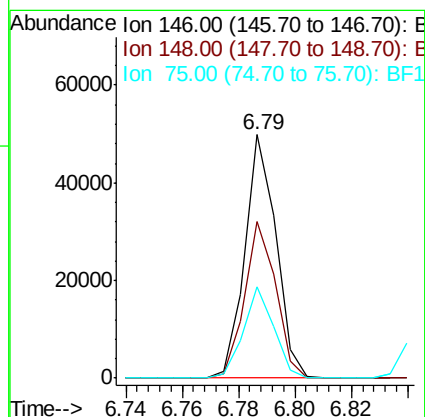
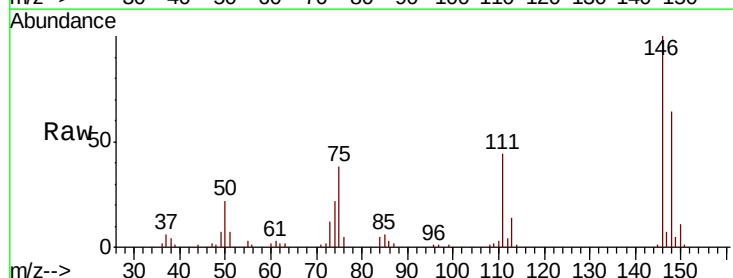
RT: 6.79 min Scan# 799

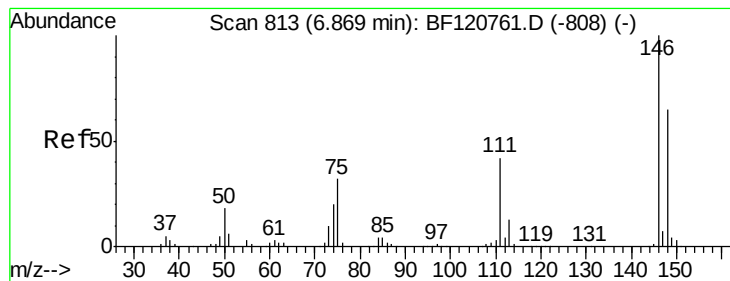
Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:	146	Resp:	38034
Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.1	78.1
75	37.6	26.0	39.0





#13

1,4-Dichlorobenzene

Concen: 3.677 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

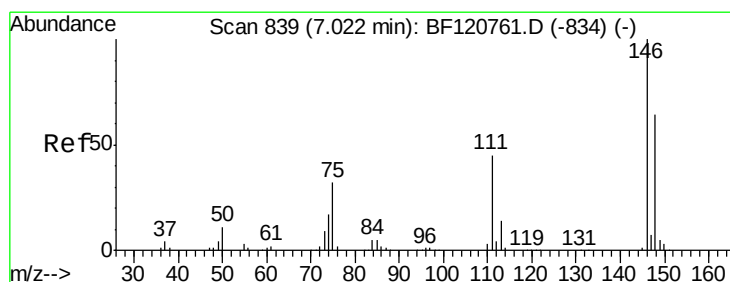
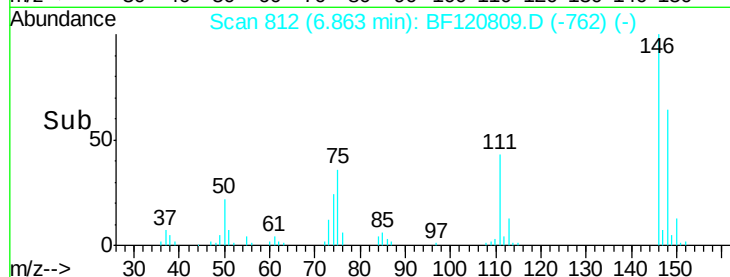
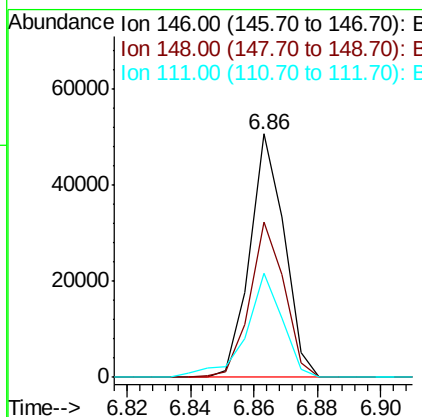
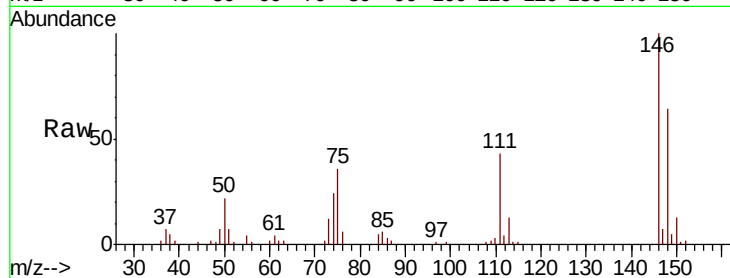
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	146	Resp:	38238
Ion Ratio	Lower	Upper	
146	100		
148	63.8	51.8	77.6
111	42.8	33.7	50.5

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#14

1,2-Dichlorobenzene

Concen: 3.639 ng

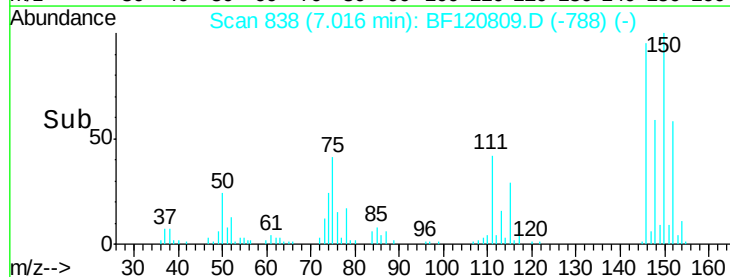
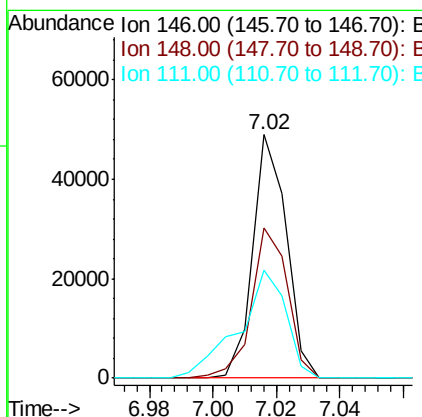
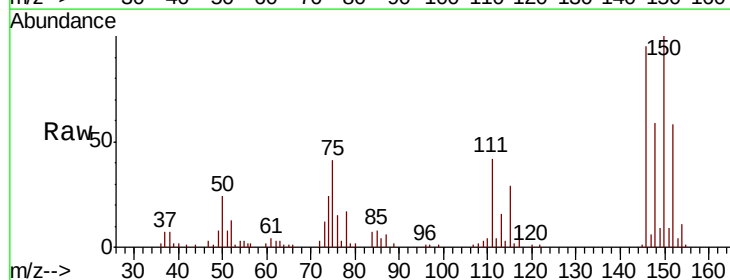
RT: 7.02 min Scan# 838

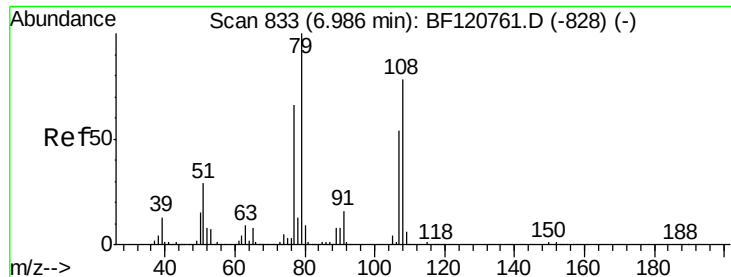
Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:	146	Resp:	36007
Ion Ratio	Lower	Upper	
146	100		
148	61.8	51.0	76.4
111	44.3	35.7	53.5





#15

Benzyl Alcohol

Concen: 4.631 ng/mL

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

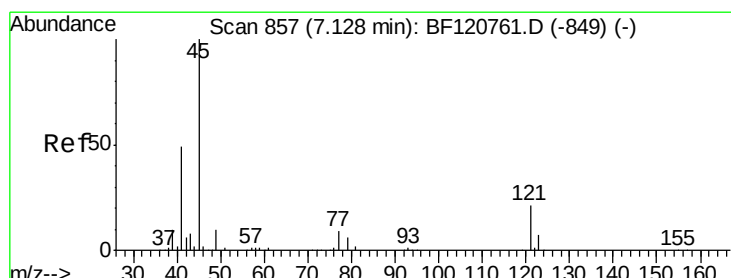
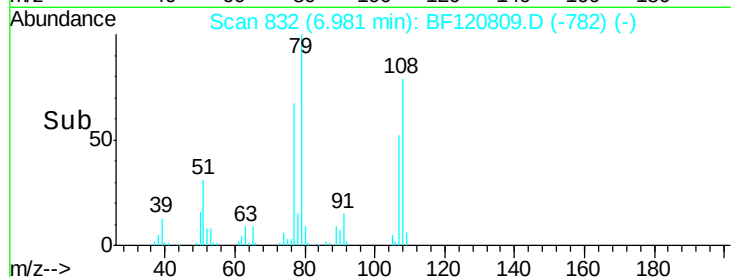
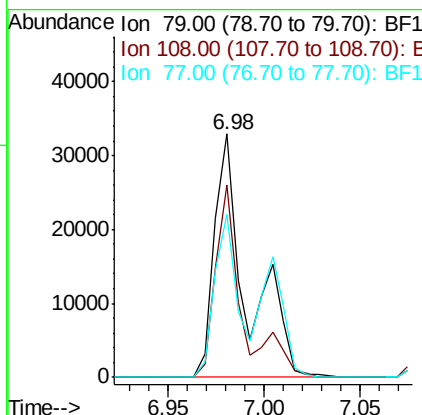
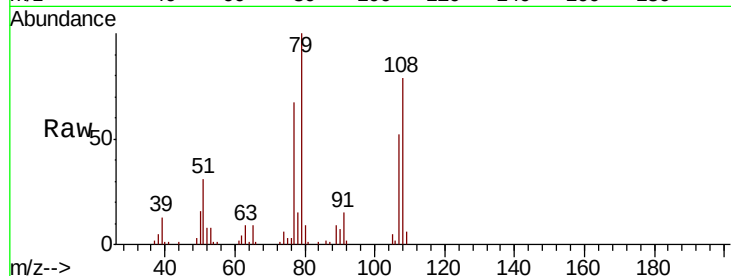
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	39374
Ion Ratio	Lower	Upper	
79	100		
108	78.8	62.4	93.6
77	67.0	52.7	79.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 3.390 ng/mL

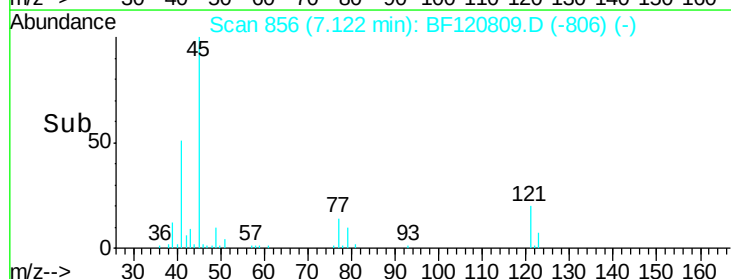
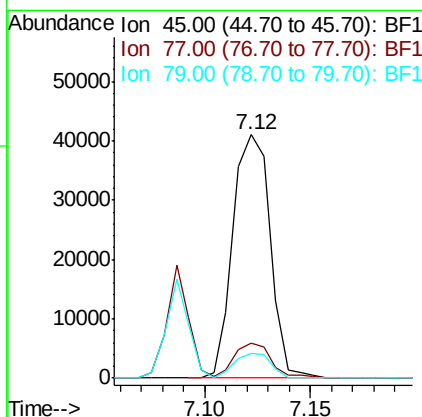
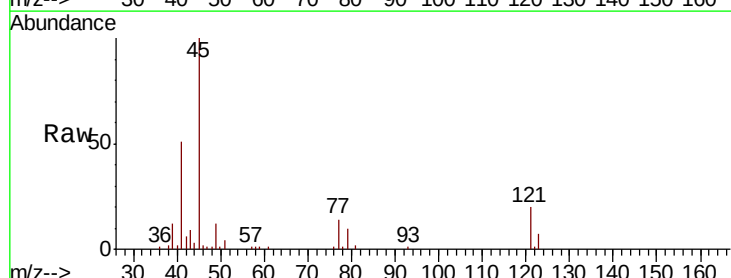
RT: 7.12 min Scan# 856

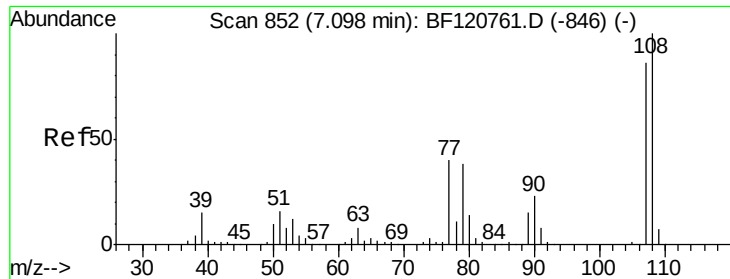
Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:	45	Resp:	50079
Ion Ratio	Lower	Upper	
45	100		
77	14.4	0.0	33.7
79	10.4	0.0	30.5





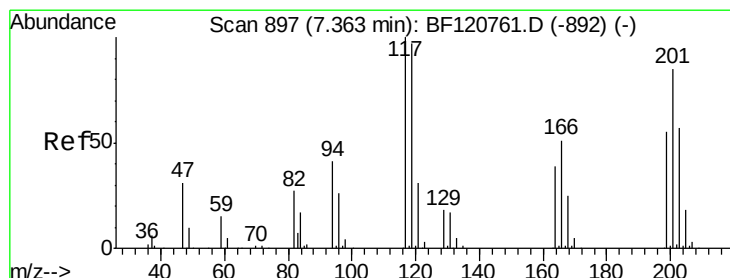
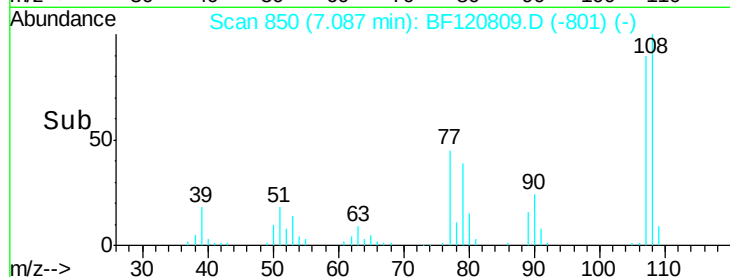
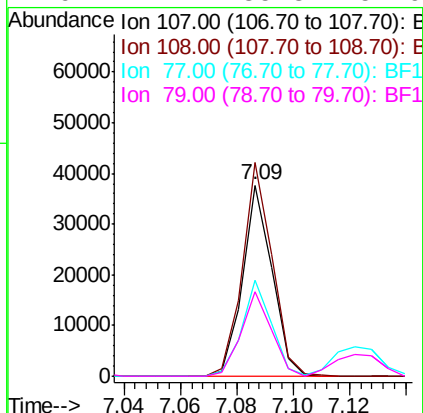
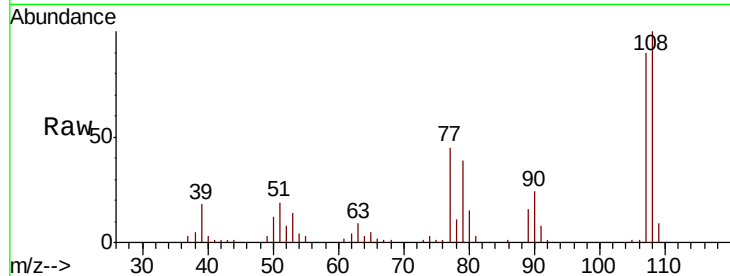
#17
2-Methylphenol
Concen: 3.222 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.7	93.1	139.7
77	50.4	37.3	55.9
79	44.1	35.3	52.9

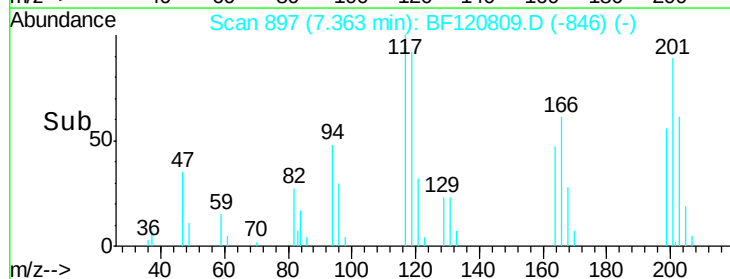
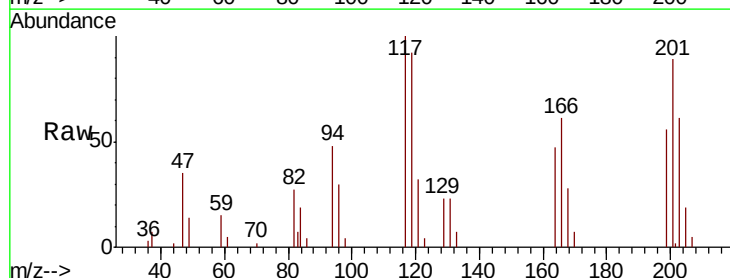
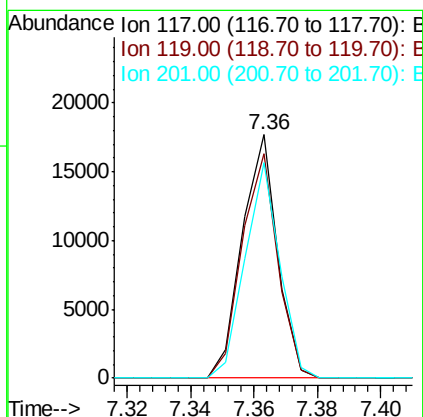
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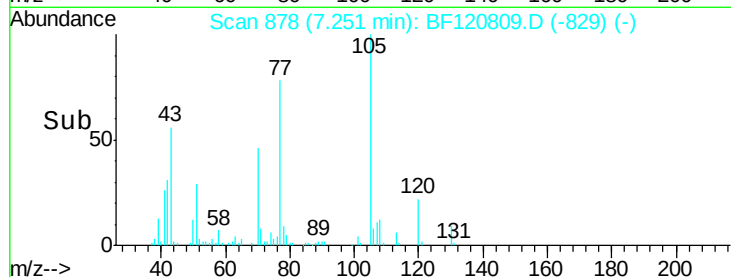
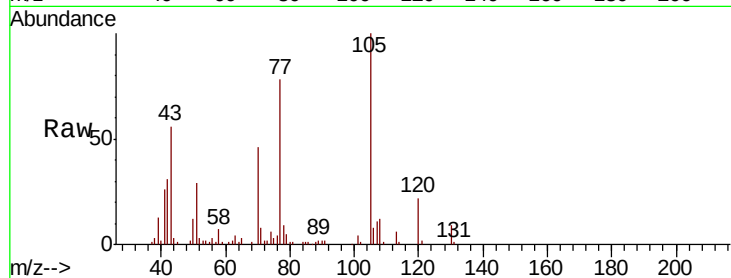
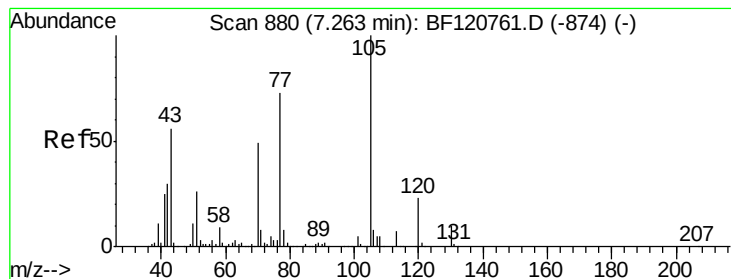
mohammad
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#18
Hexachloroethane
Concen: 3.486 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.9	116.9
201	90.8	68.3	102.5





#19

n-Nitroso-di-n-propylamine

Concen: 3.331 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 70 Resp: 22696

Ion Ratio Lower Upper

70 100

42 67.1 50.3 75.5

101 8.9 7.5 11.3

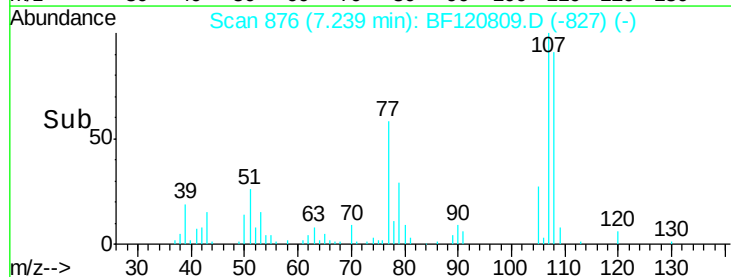
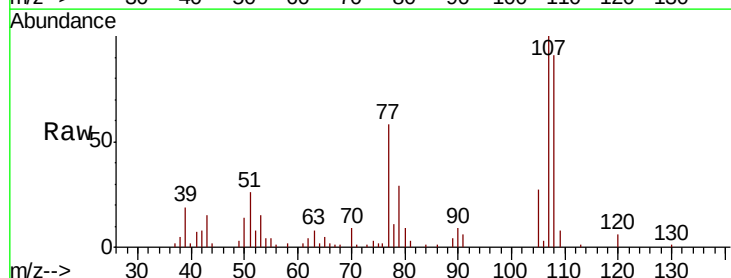
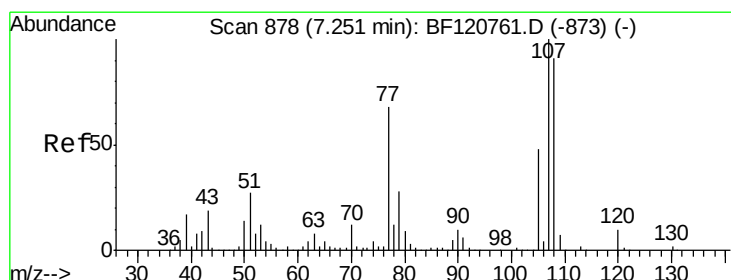
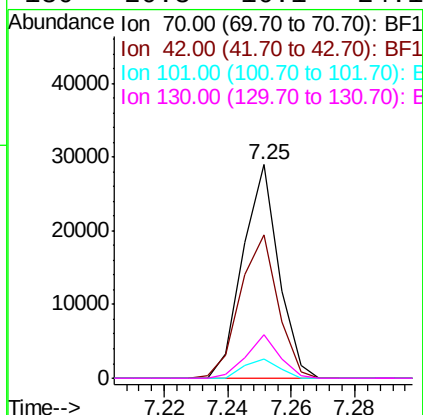
130 20.3 16.1 24.1

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#20

3+4-Methylphenols

Concen: 3.183 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion: 107 Resp: 33080

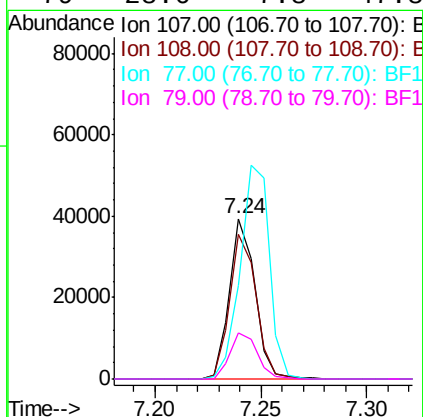
Ion Ratio Lower Upper

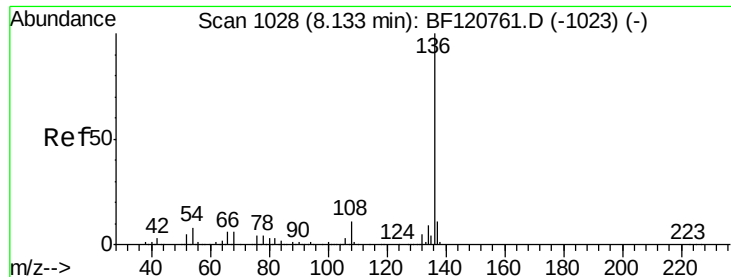
107 100

108 90.7 70.9 110.9

77 58.3 48.3 88.3

79 28.6 7.8 47.8





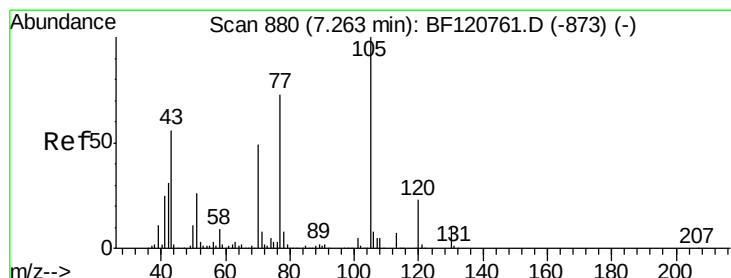
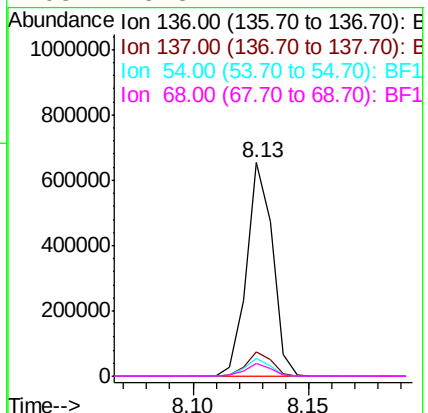
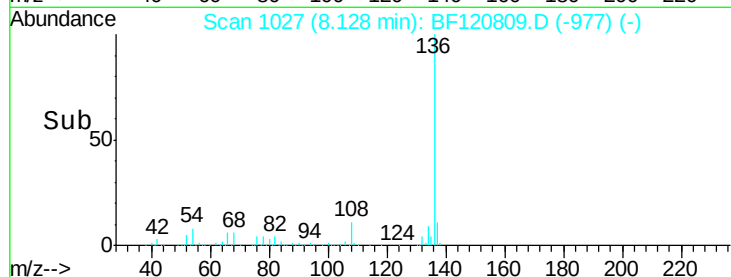
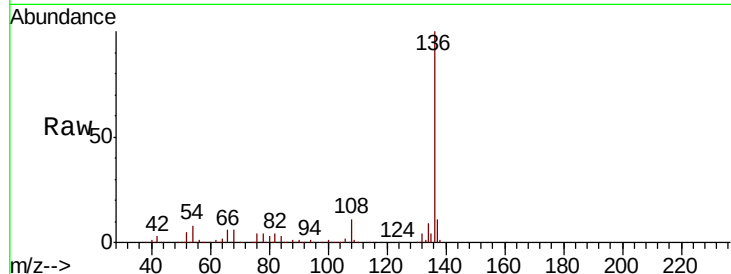
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	9.0	13.6	
54	8.3	6.2	9.4	
68	5.8	4.7	7.1	

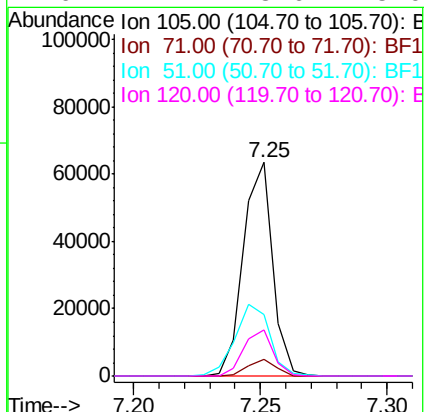
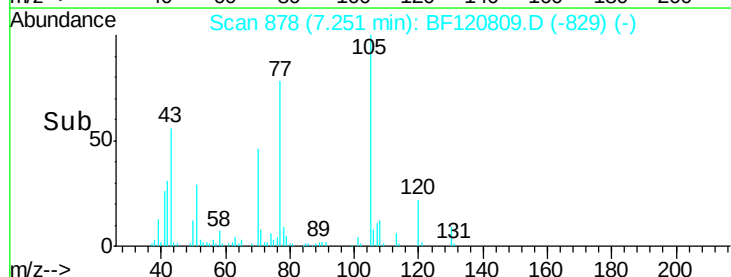
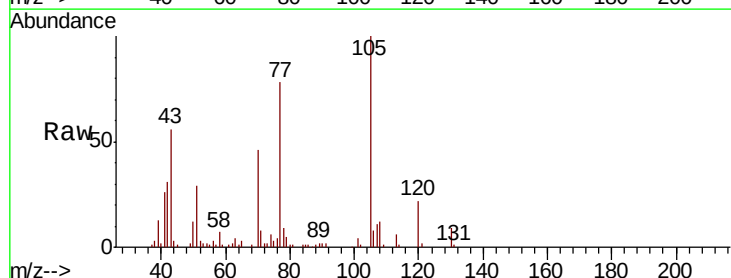
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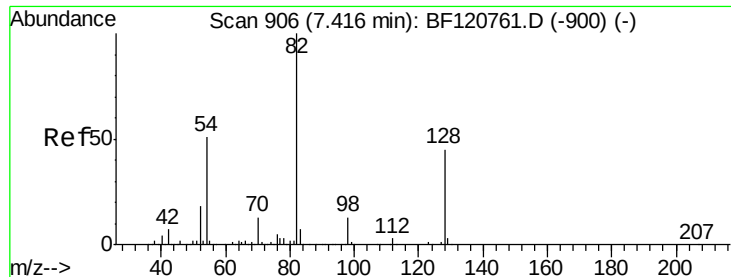
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#22
Acetophenone
Concen: 3.985 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.7	6.5	9.7	
51	28.8	21.0	31.4	
120	21.7	18.6	28.0	





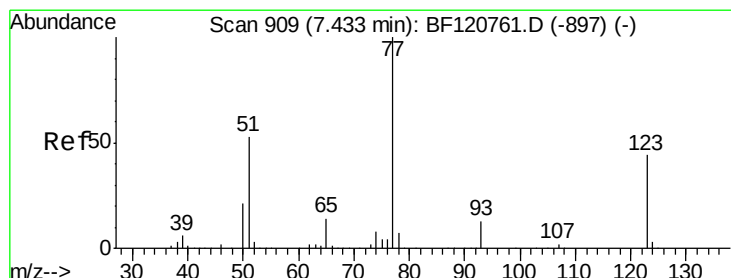
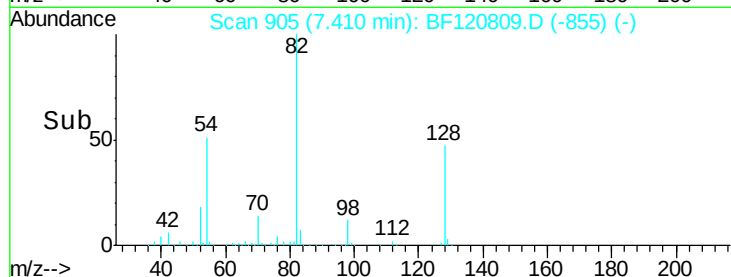
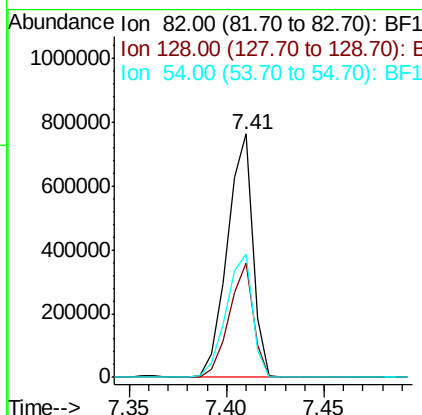
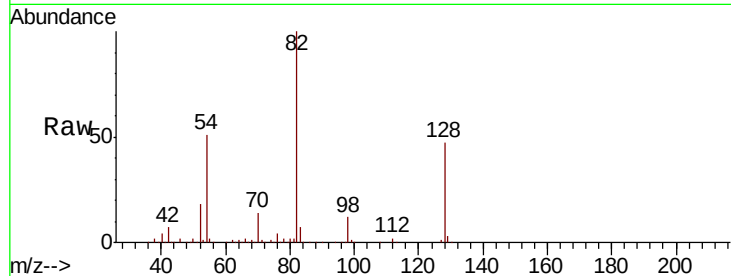
#23
Nitrobenzene-d5
Concen: 77.948 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	35.7	53.5
54	50.8	40.9	61.3

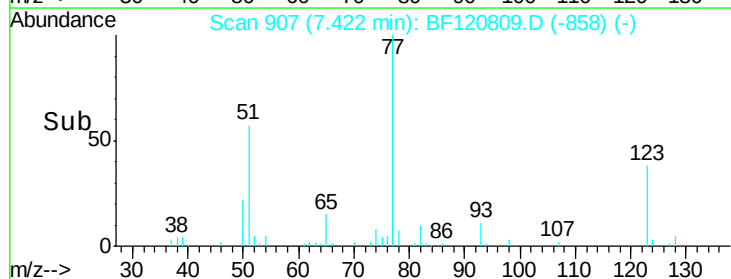
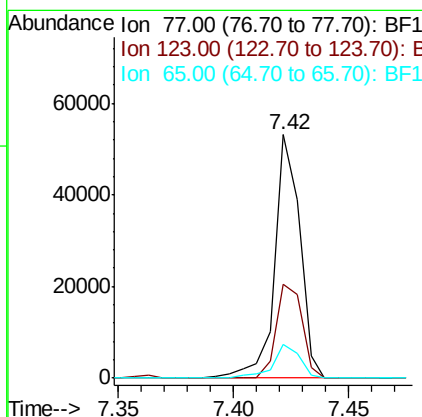
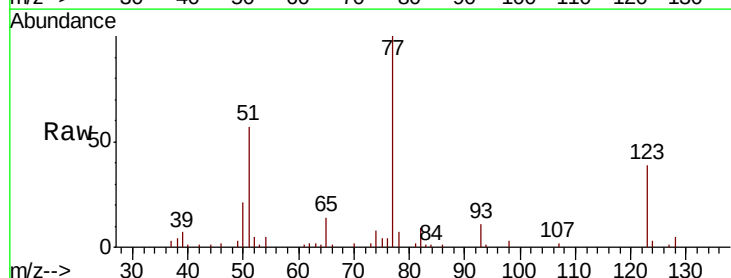
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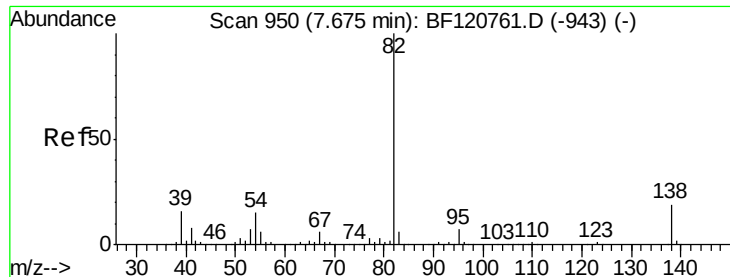
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#24
Nitrobenzene
Concen: 4.034 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.8	36.1	54.1
65	14.0	11.0	16.4





#25

Isophorone

Concen: 3.225 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

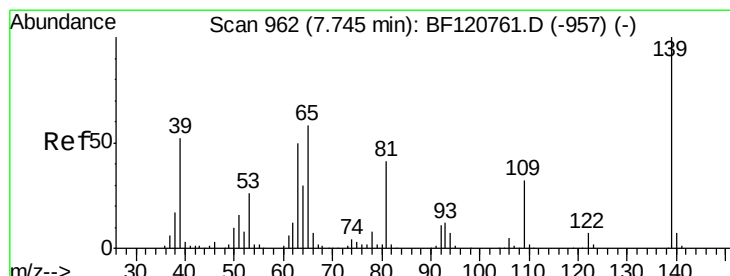
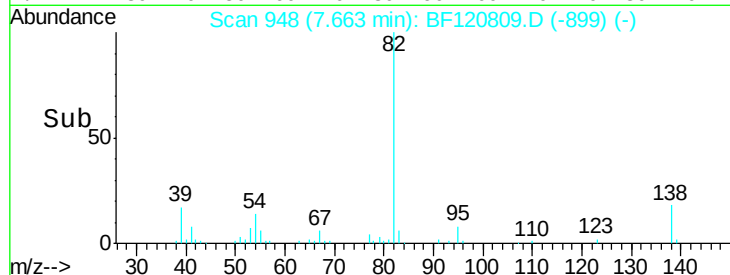
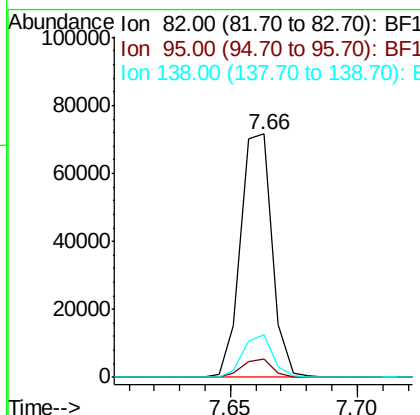
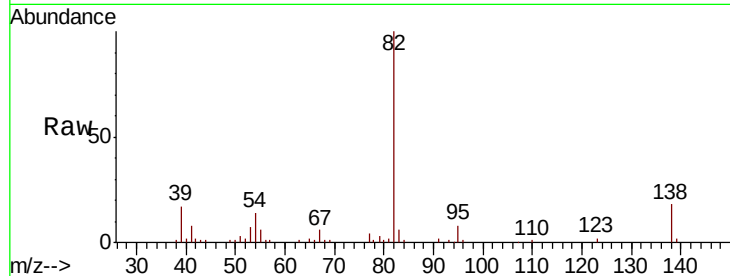
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	82	Resp:	61756
Ion Ratio	Lower	Upper	
82	100		
95	7.6	5.4	8.2
138	17.6	15.0	22.4

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#26

2-Nitrophenol

Concen: 2.655 ng

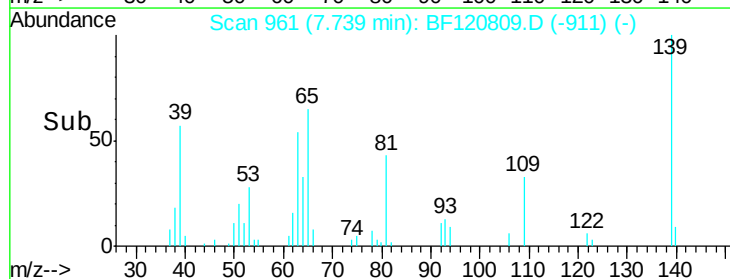
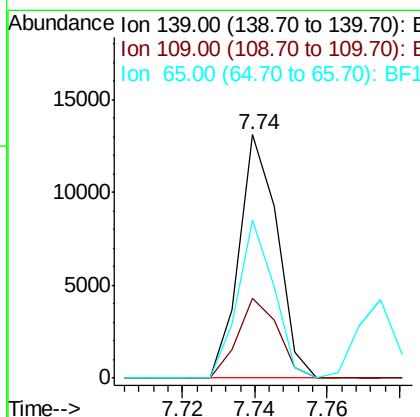
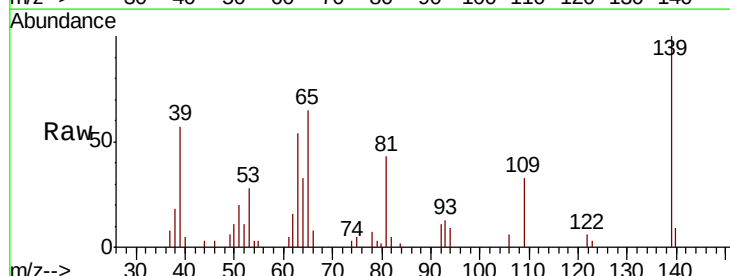
RT: 7.74 min Scan# 961

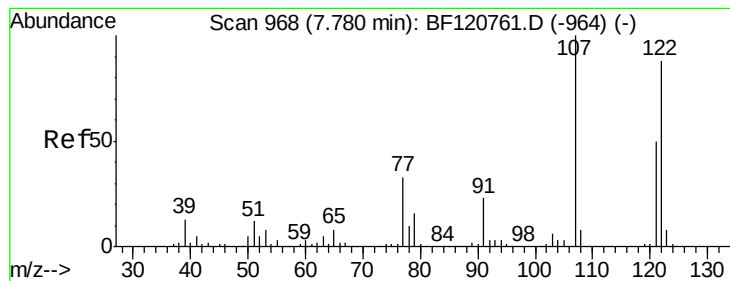
Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:	139	Resp:	9678
Ion Ratio	Lower	Upper	
139	100		
109	32.9	25.3	37.9
65	64.7	46.2	69.2





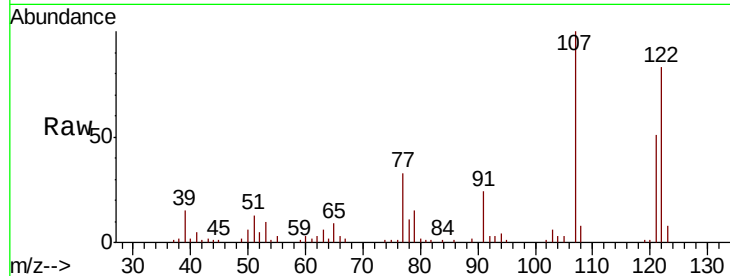
#27
 2,4-Dimethylphenol
 Concen: 3.516 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.6	90.7	136.1
121	61.1	45.4	68.0

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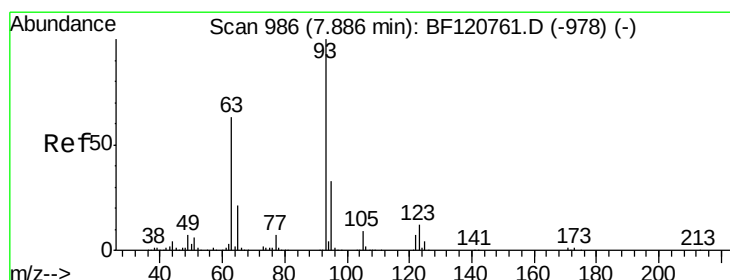
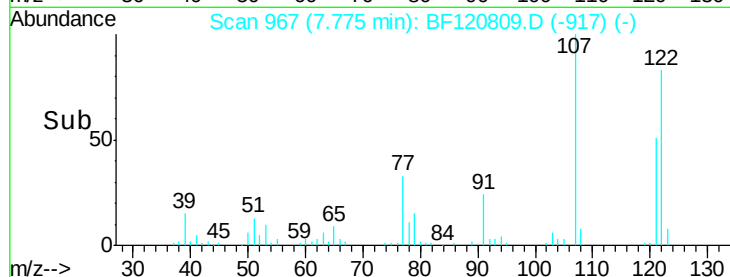
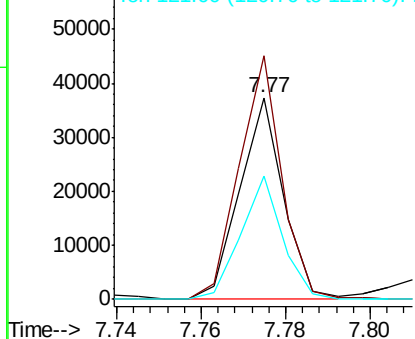


Abundance

Ion 122.00 (121.70 to 122.70): E

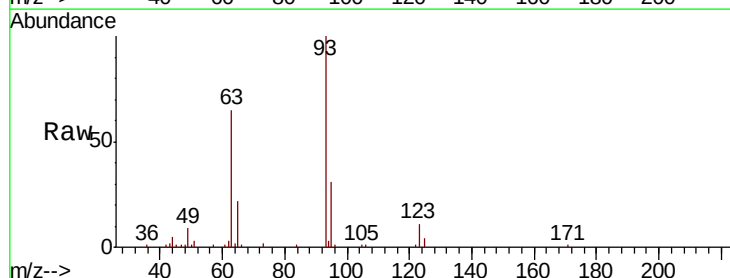
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 3.575 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.0	26.4	39.6
123	11.2	10.2	15.2

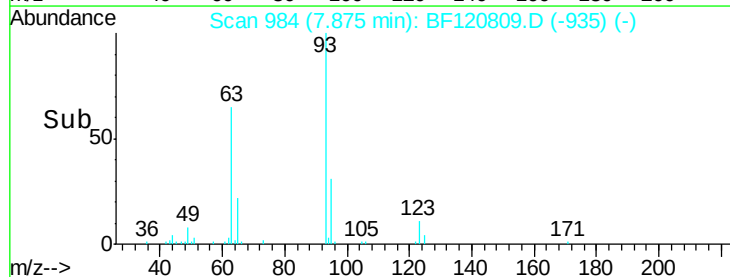
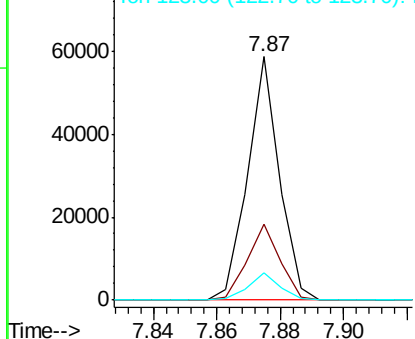


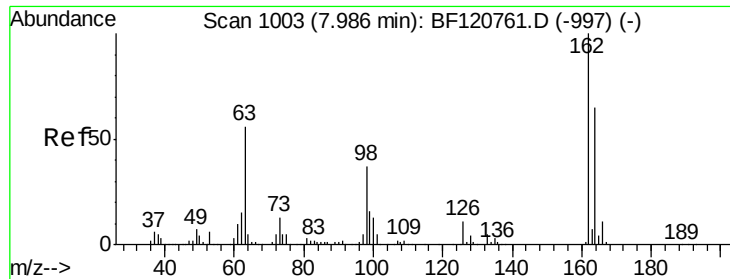
Abundance

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





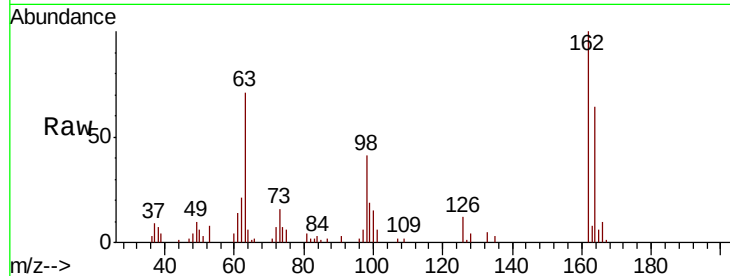
#29
2,4-Dichlorophenol
Concen: 3.151 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

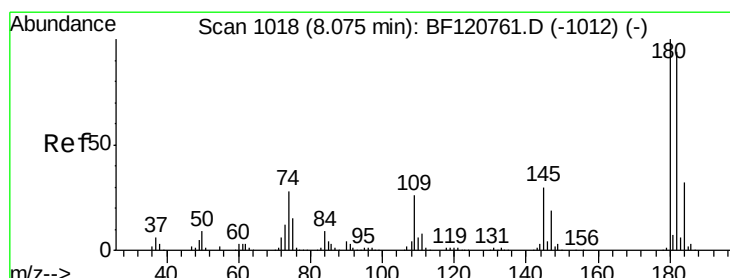
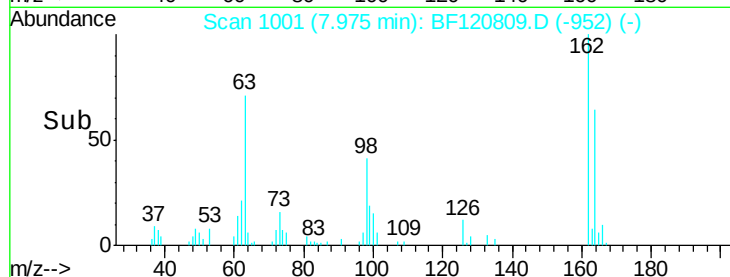
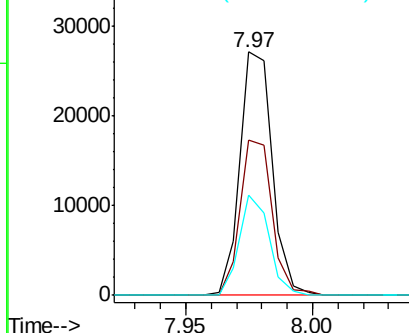
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	45.2	85.2
98	41.4	17.0	57.0

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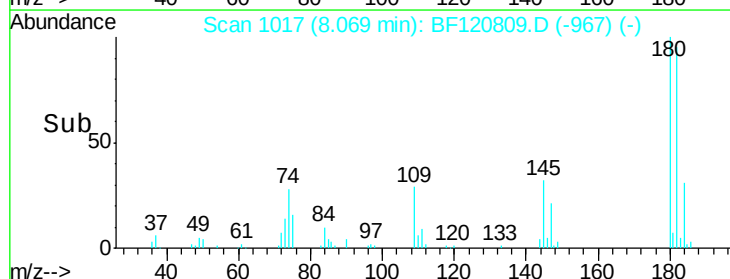
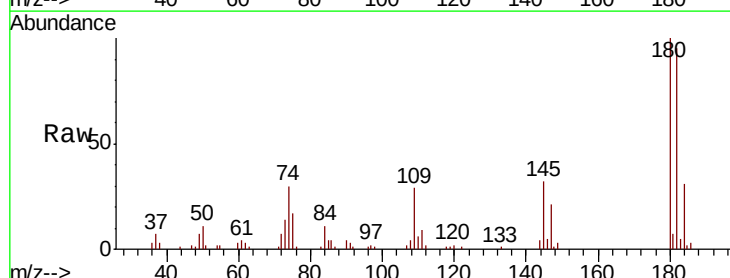
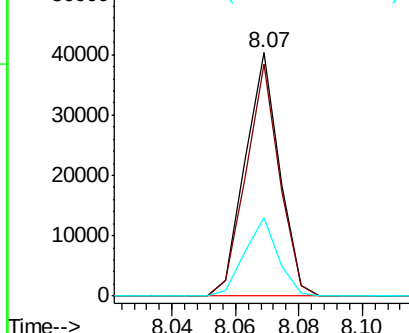
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

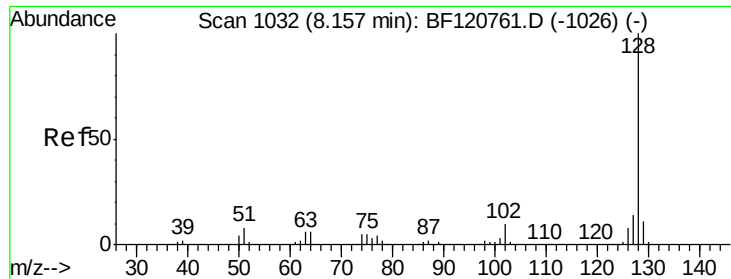


#30
1,2,4-Trichlorobenzene
Concen: 3.516 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.5	113.3
145	32.3	24.1	36.1

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





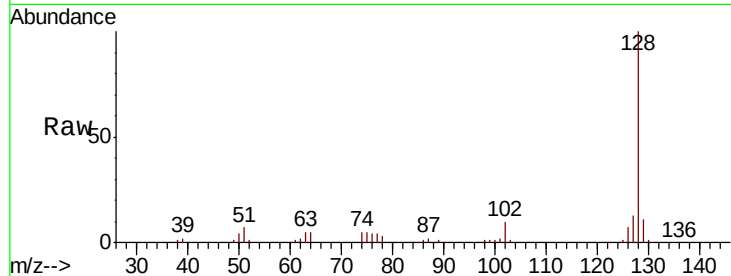
#31
Naphthalene
Concen: 3.746 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.2	11.1	16.7

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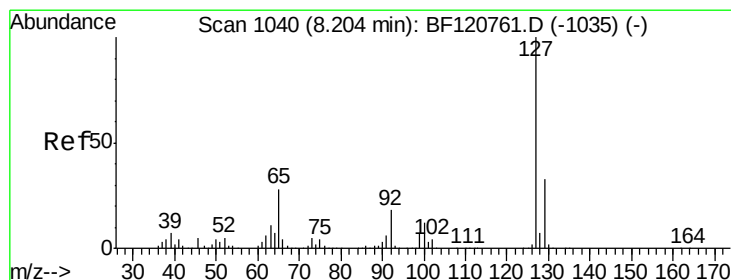
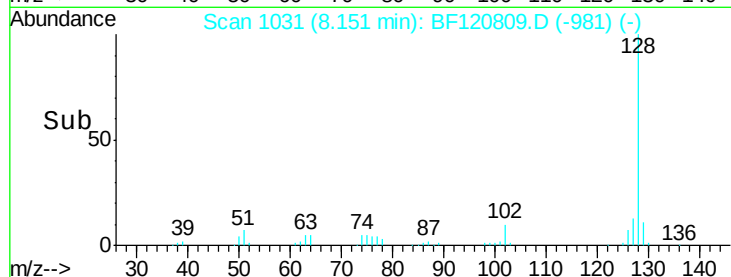
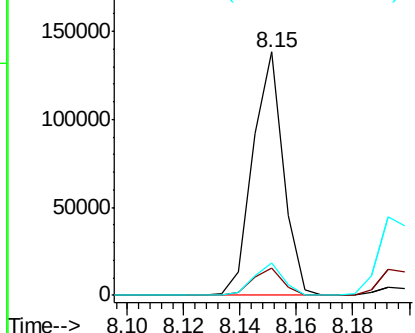


Abundance

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



#33
4-Chloroaniline
Concen: 3.199 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.6	39.8
65	35.8	22.7	34.1#
92	20.5	14.3	21.5

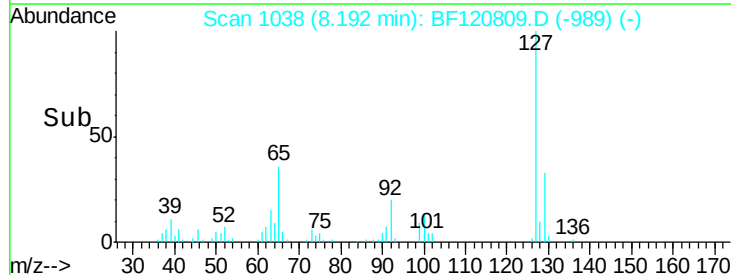
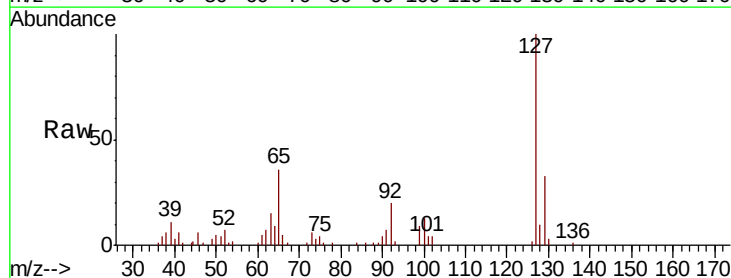
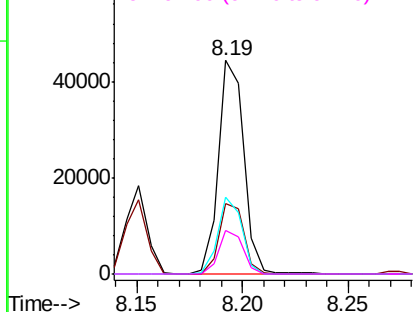
Abundance

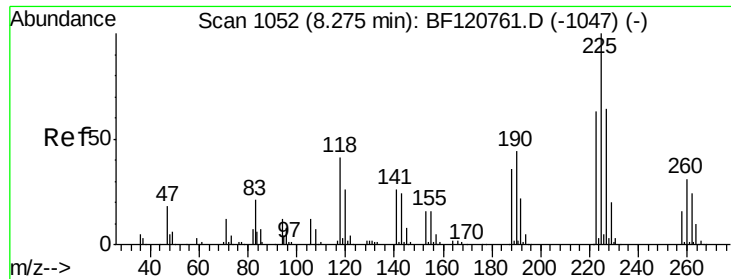
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





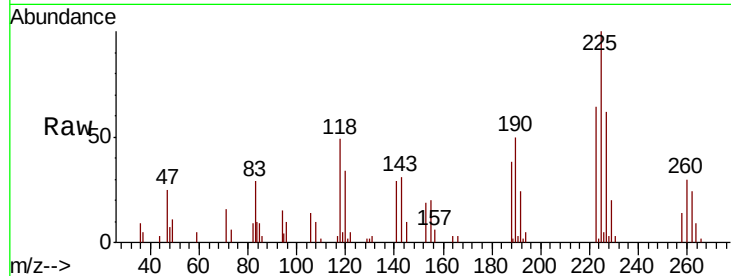
#34
Hexachlorobutadiene
Concen: 3.166 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

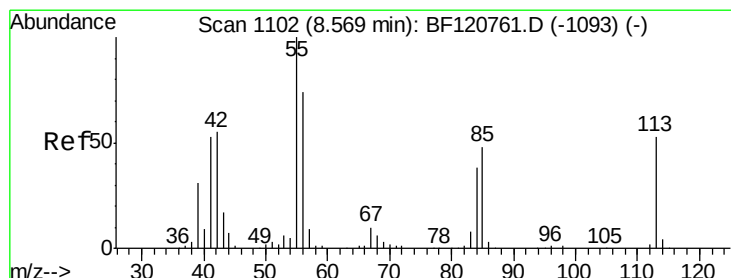
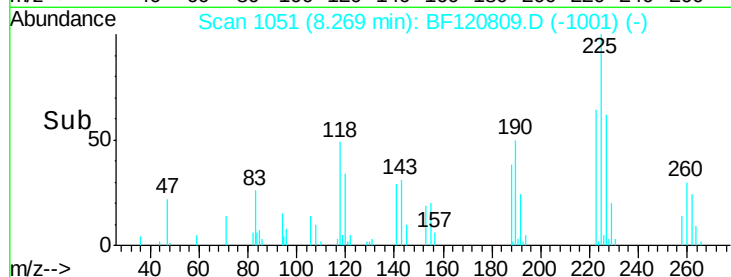
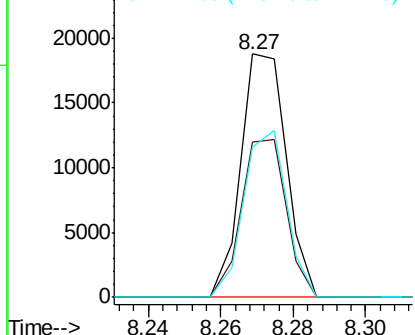
Tot Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	61.8	51.4	77.2

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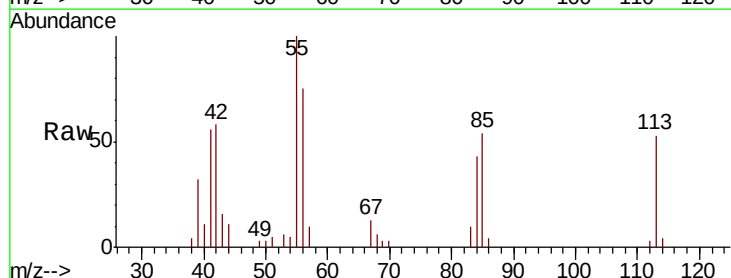


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

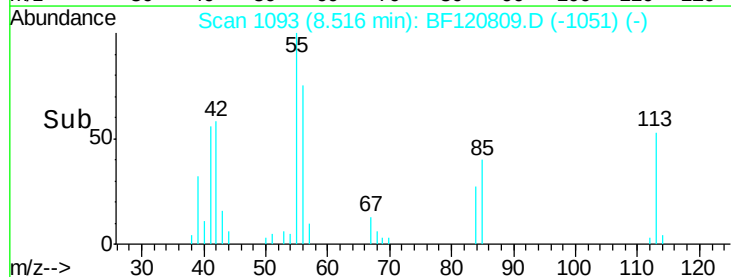
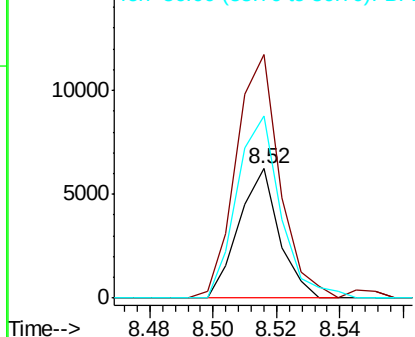


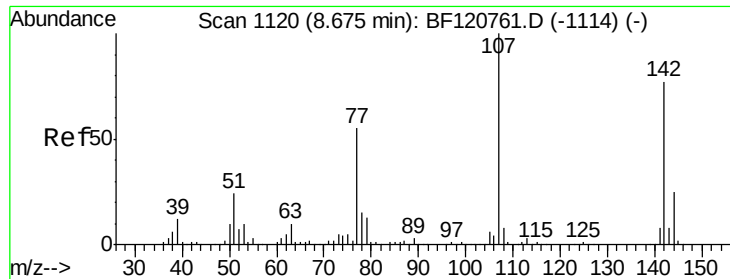
#35
Caprolactam
Concen: 2.474 ng
RT: 8.52 min Scan# 1093
Delta R.T. -0.05 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
113	100		
55	187.8	168.3	208.3
56	140.5	118.8	158.8



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1





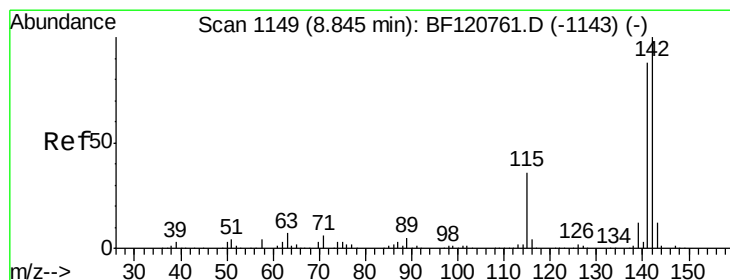
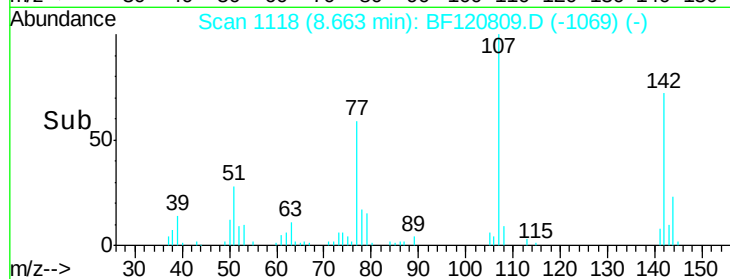
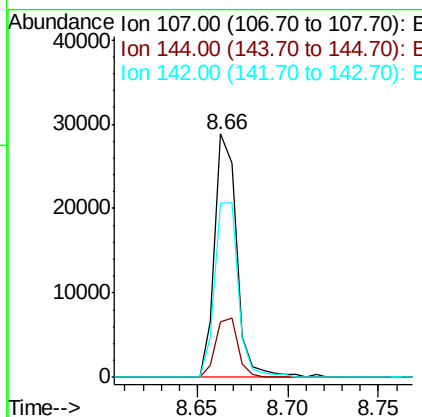
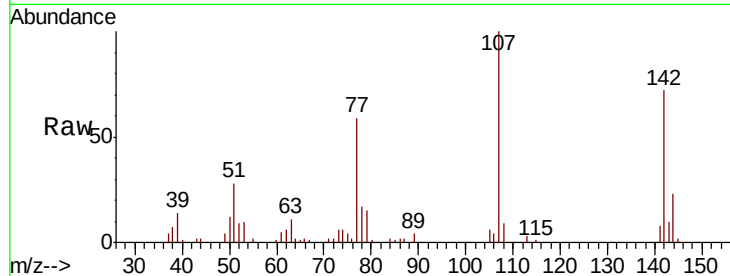
#36
 4-Chloro-3-methylphenol
 Concen: 3.081 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
107	100		
144	22.7	19.7	29.5
142	71.6	61.2	91.8

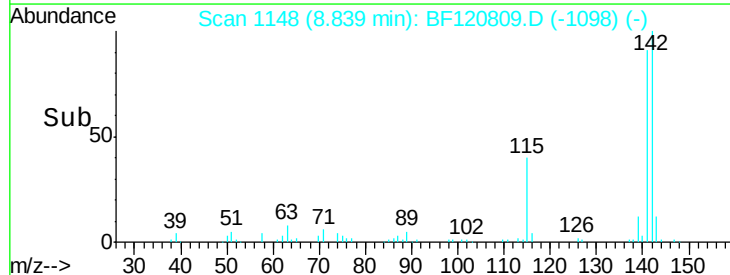
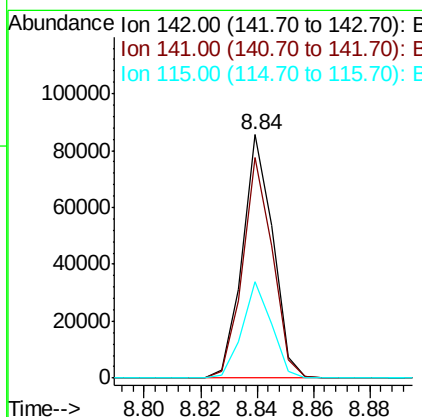
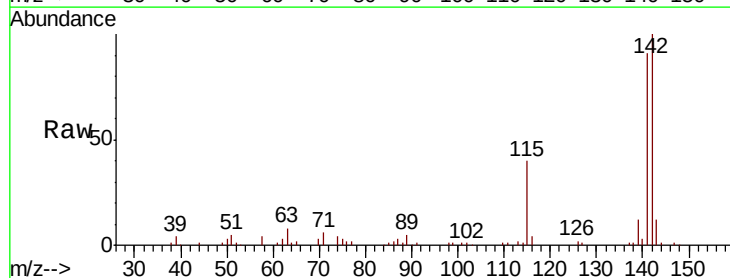
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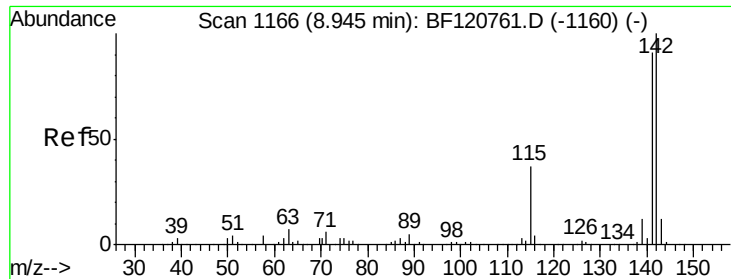
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#37
 2-Methylnaphthalene
 Concen: 3.587 ng
 RT: 8.84 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.2	105.4
115	39.6	29.0	43.4





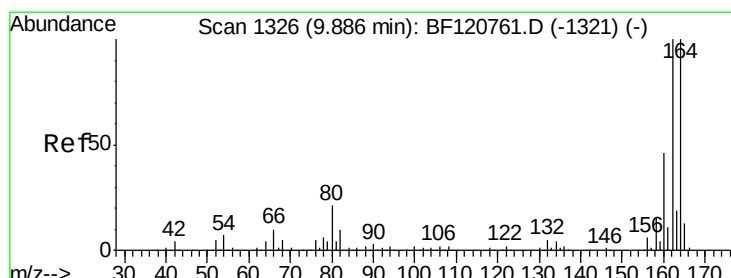
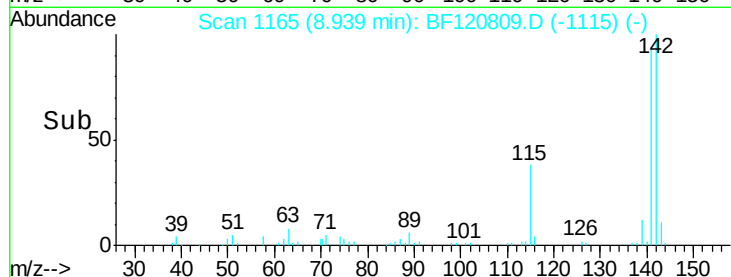
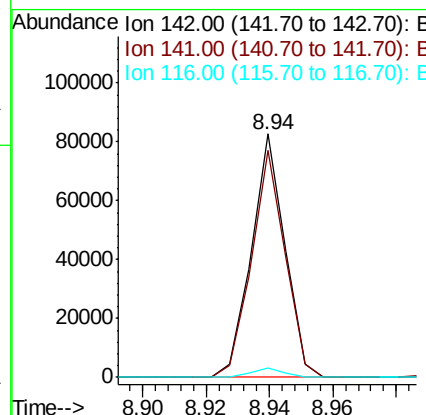
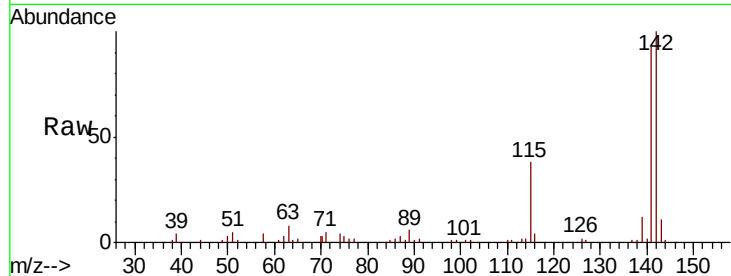
#38
1-Methylnaphthalene
Concen: 3.604 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.2	72.5	108.7
116	3.9	3.1	4.7

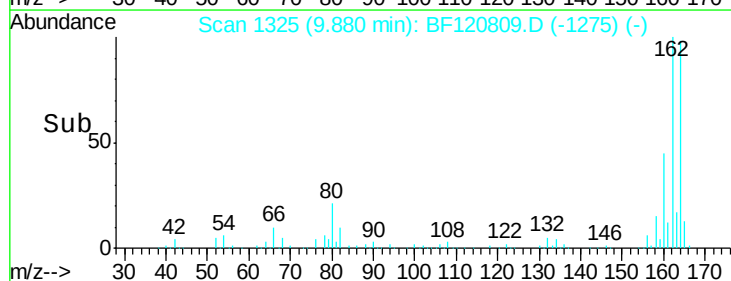
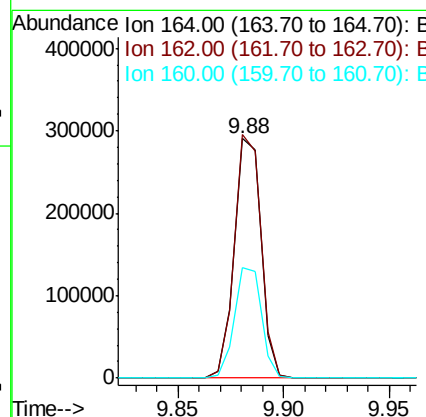
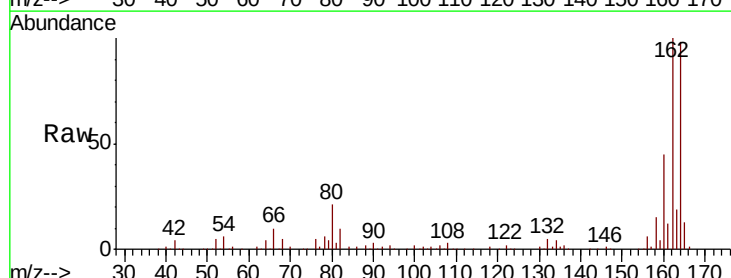
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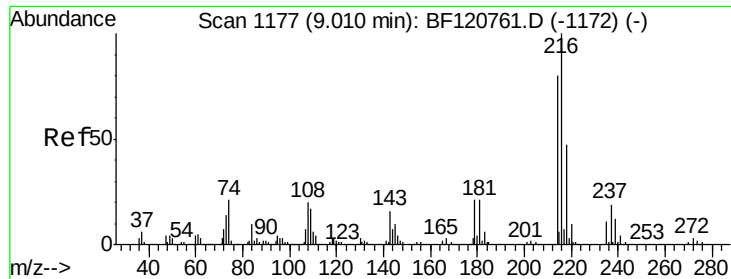
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.2	120.2
160	46.0	36.9	55.3





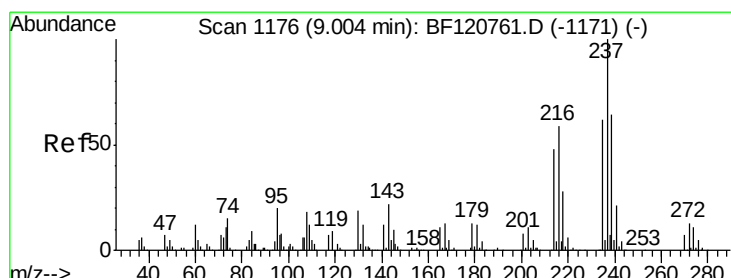
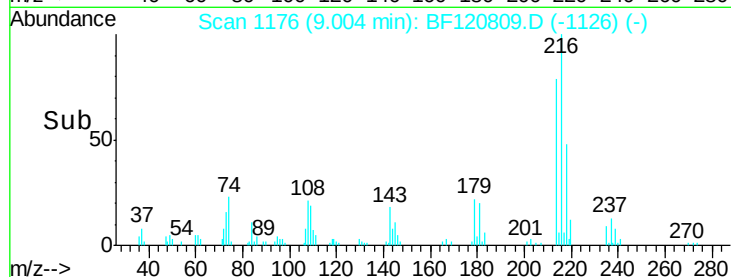
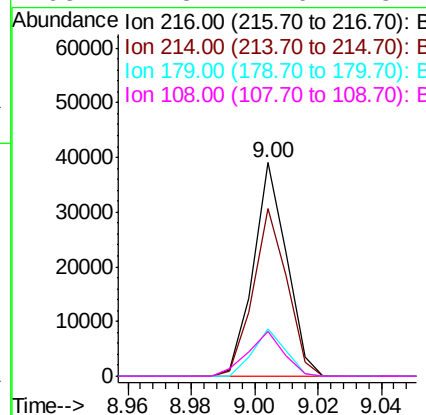
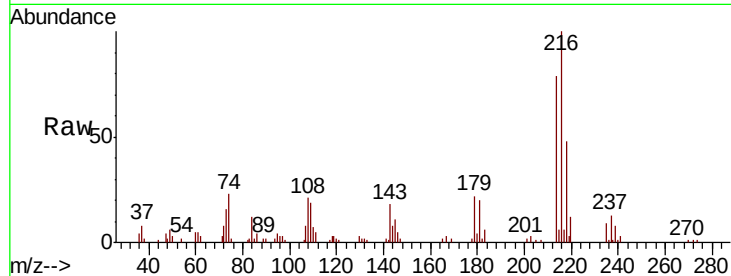
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.743 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	216	Resp:	28506
Ion Ratio	Lower	Upper	
216	100		
214	79.7	63.7	95.5
179	21.6	16.7	25.1
108	22.8	17.0	25.4

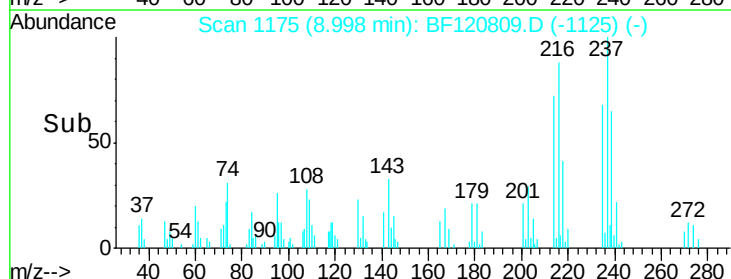
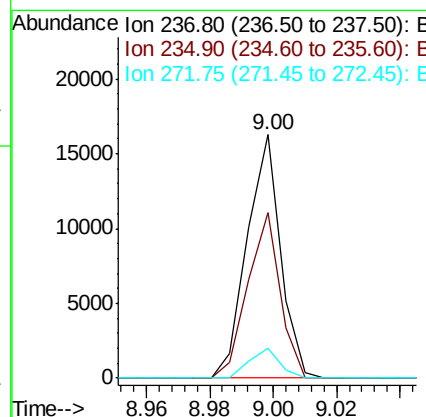
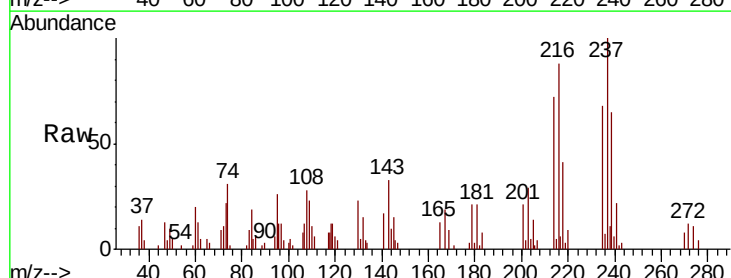
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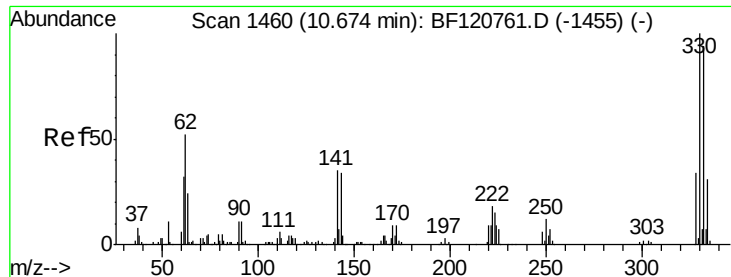
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#41
 Hexachlorocyclopentadiene
 Concen: 2.637 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion:	237	Resp:	11866
Ion Ratio	Lower	Upper	
237	100		
235	68.2	42.1	82.1
272	12.3	0.0	33.4





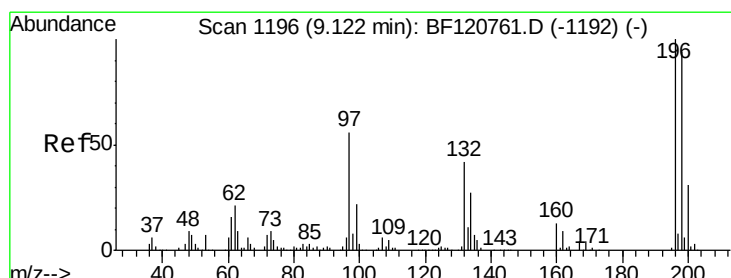
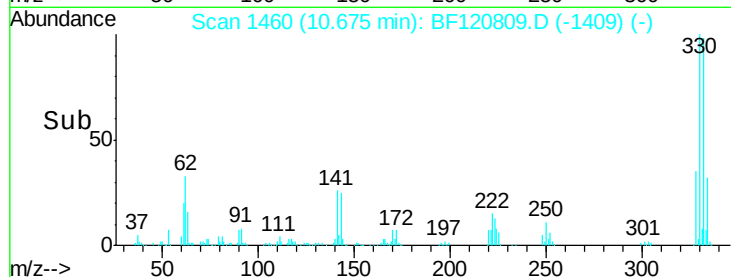
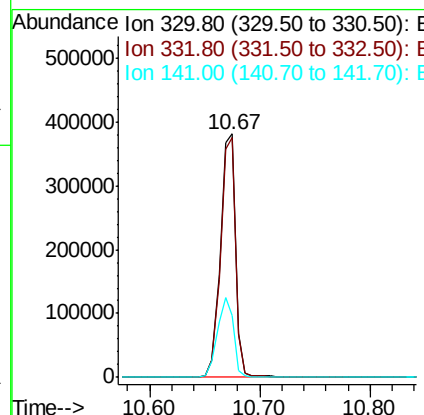
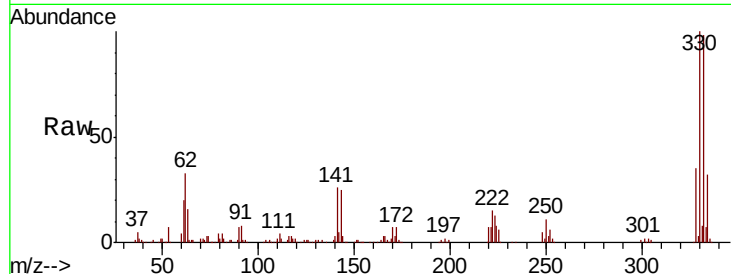
#42
 2,4,6-Tribromophenol
 Concen: 143.167 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
330	100	362437		
332	97.3	75.8	113.6	
141	34.4	29.7	44.5	

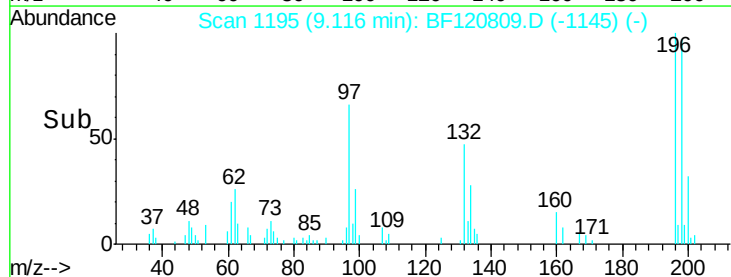
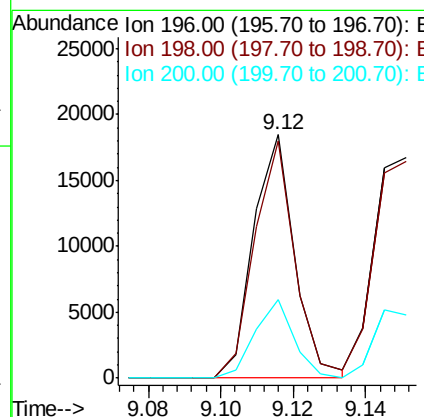
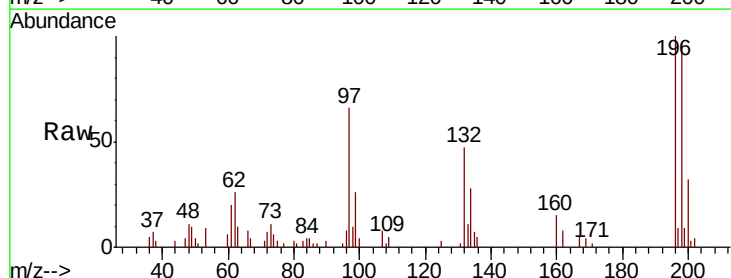
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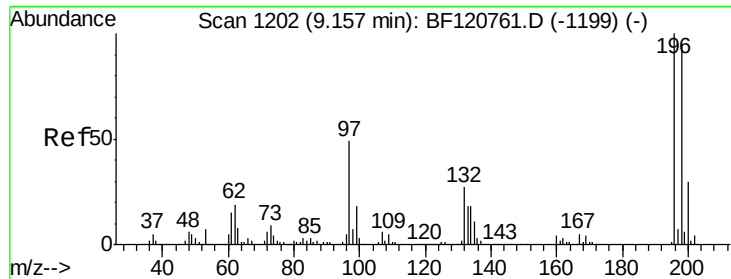
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#43
 2,4,6-Trichlorophenol
 Concen: 2.789 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	14473		
198	97.4	75.3	112.9	
200	32.0	24.4	36.6	





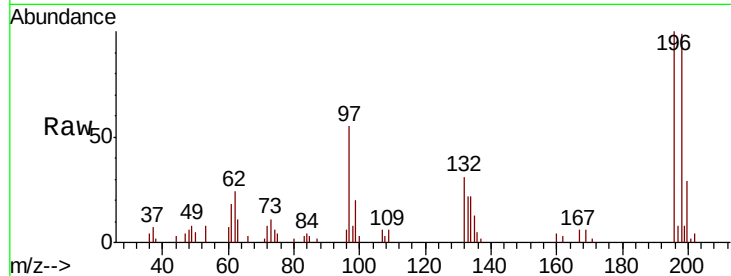
#44
 2,4,5-Trichlorophenol
 Concen: 2.745 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	196	Resp:	15807
Ion Ratio	Lower	Upper	
196	100		
198	98.6	76.2	114.2
97	55.5	39.6	59.4
132	31.0	22.0	33.0

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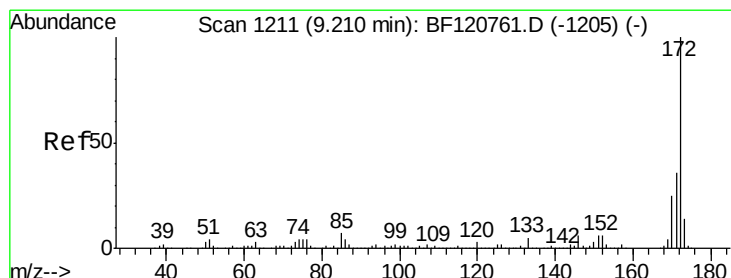
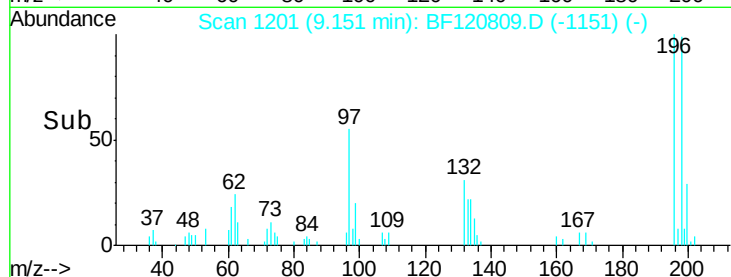
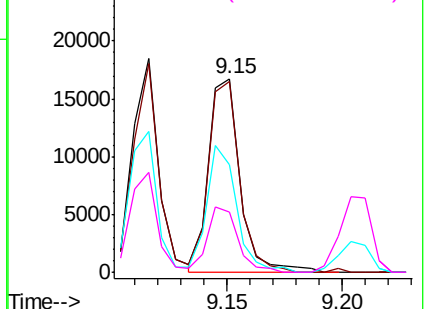
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#45
 2-Fluorobiphenyl
 Concen: 75.862 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

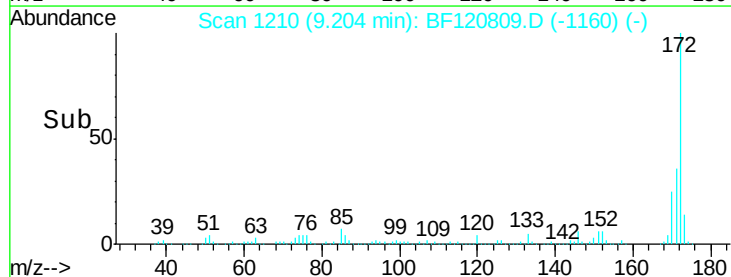
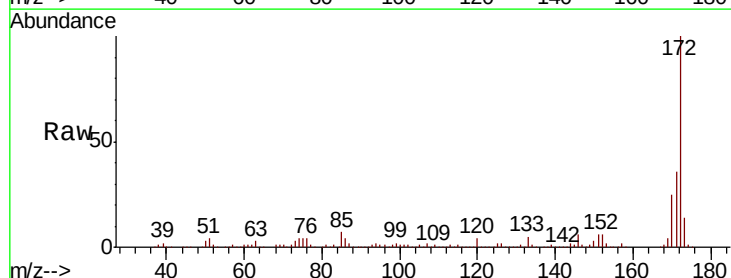
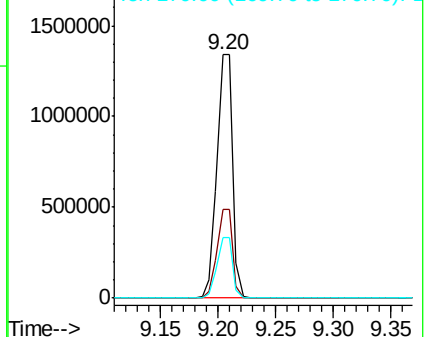
Tgt Ion:	172	Resp:	1263514
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.1	43.7
170	24.9	19.8	29.6

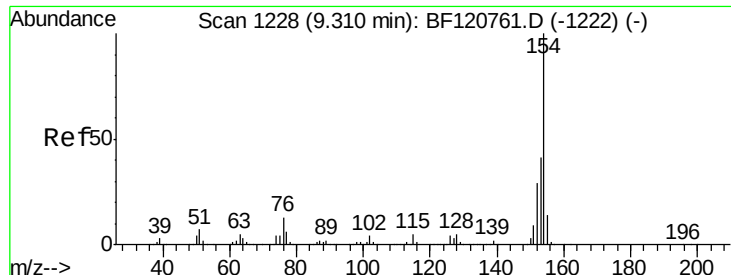
Abundance

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





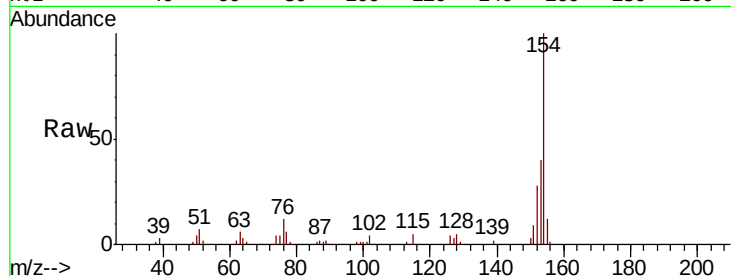
#46
 1,1'-Biphenyl
 Concen: 4.064 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.7	60.7
76	12.3	0.0	33.3

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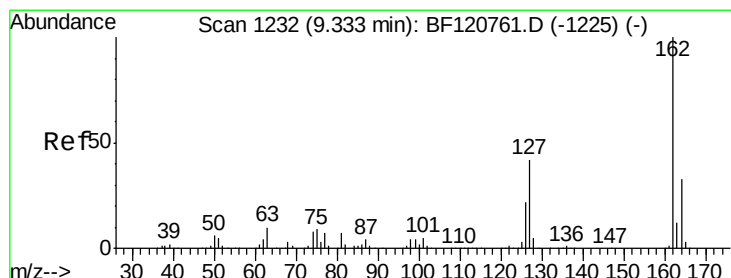
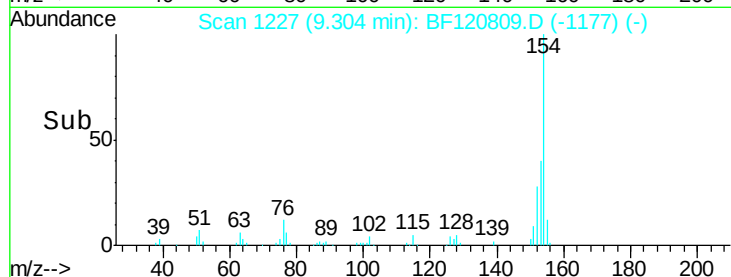
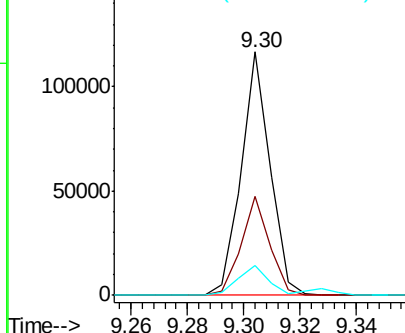


Abundance

Ion 154.00 (153.70 to 154.70): E

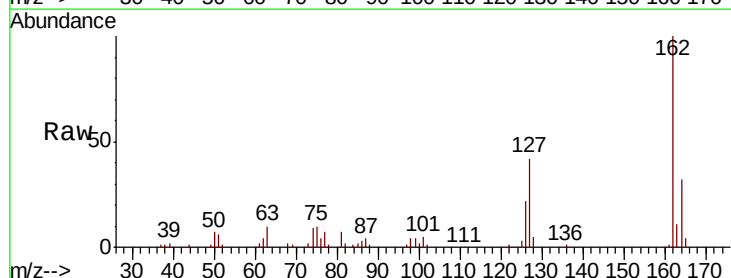
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#47
 2-Chloronaphthalene
 Concen: 3.509 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.7	50.5
164	32.4	26.4	39.6

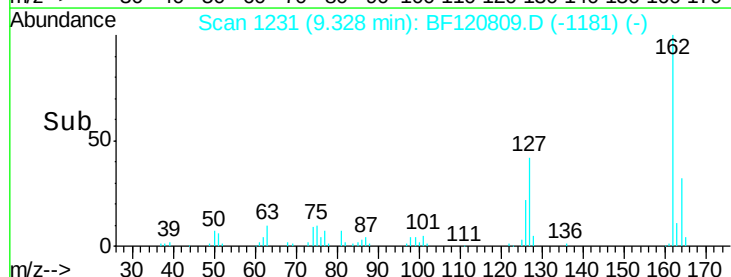
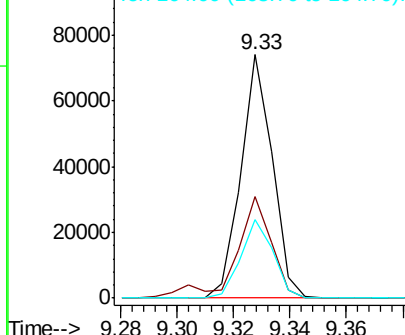


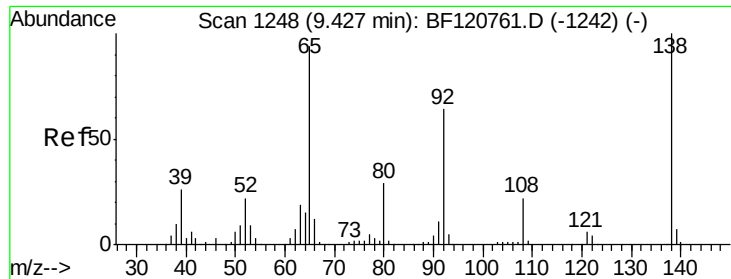
Abundance

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





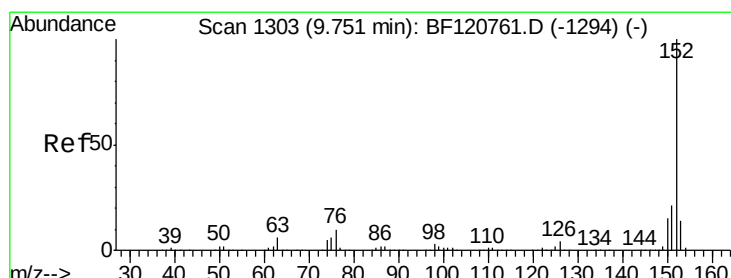
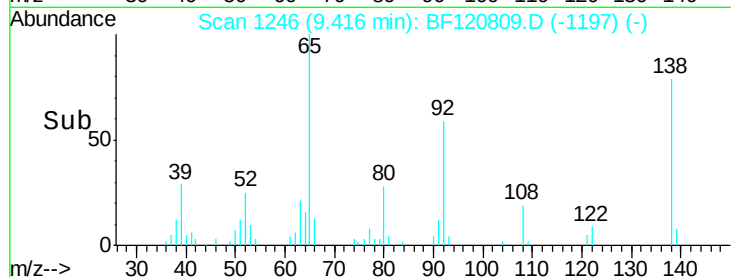
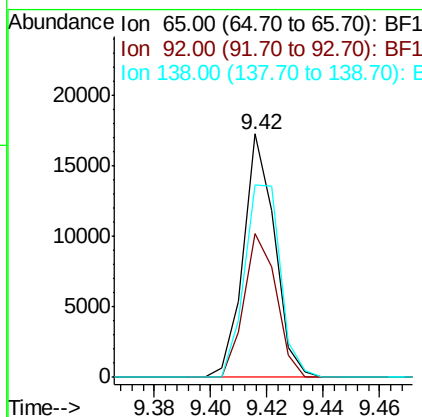
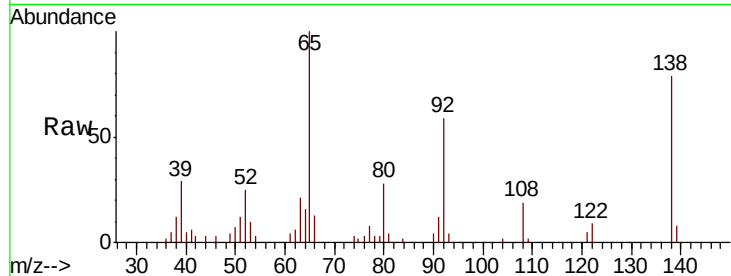
#48
2-Nitroaniline
Concen: 3.054 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
65	100		
92	59.2	54.4	81.6
138	78.8	84.7	127.1#

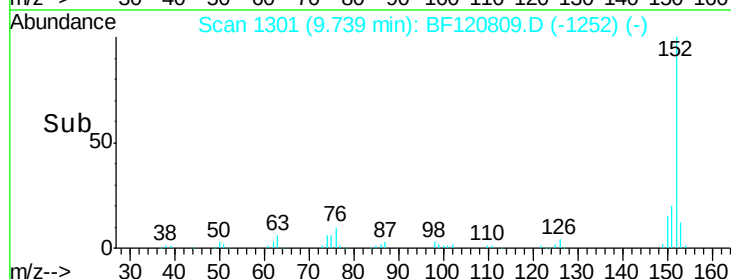
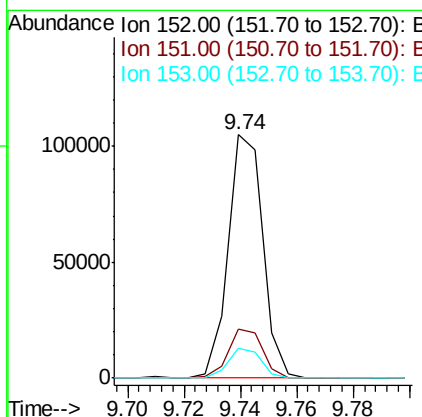
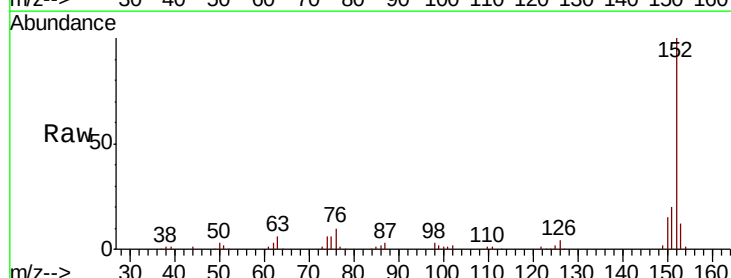
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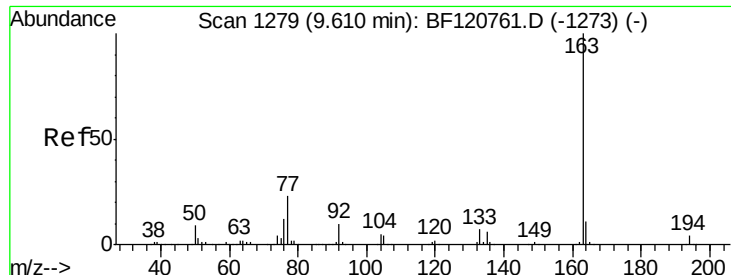
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#49
Acenaphthylene
Concen: 3.506 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.9	25.3
153	12.4	10.8	16.2





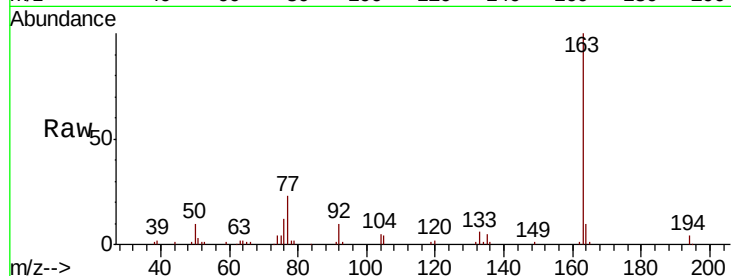
#50
Dimethylphthalate
Concen: 3.393 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

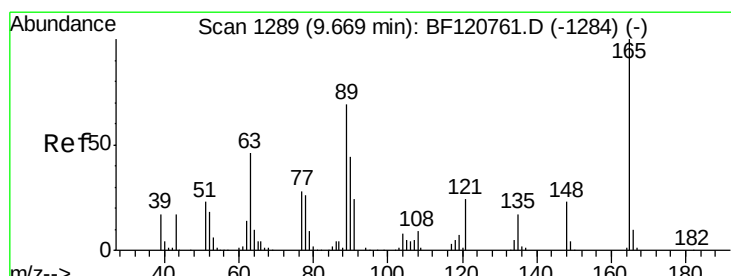
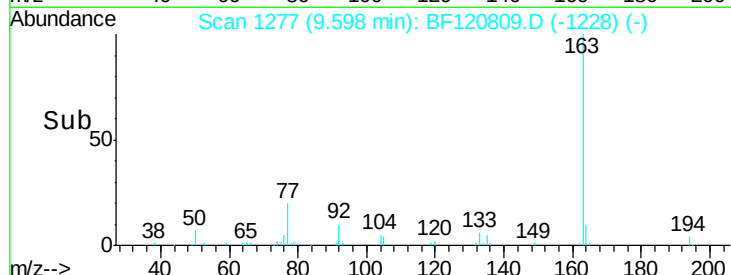
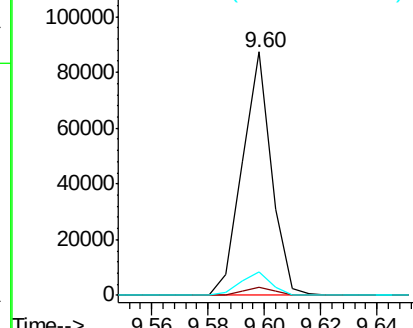
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	9.7	8.5	12.7

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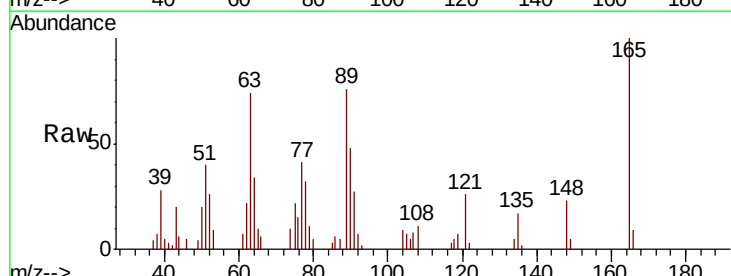


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

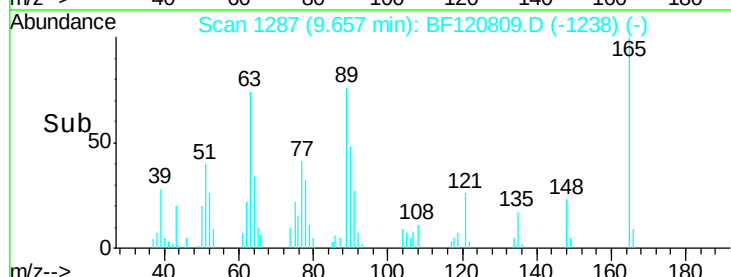
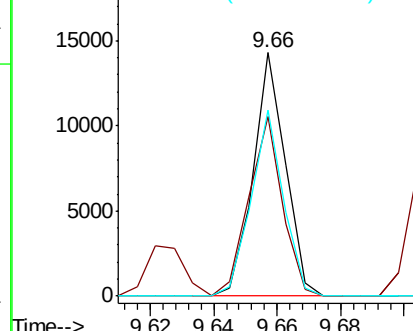


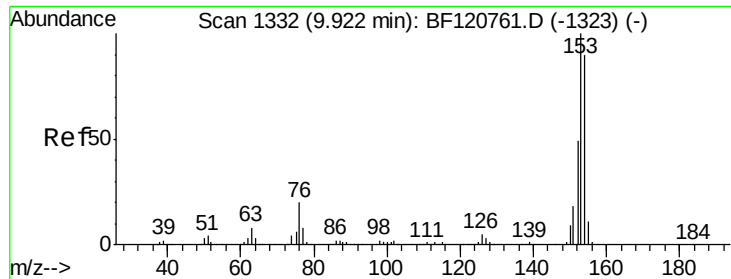
#51
2,6-Dinitrotoluene
Concen: 3.022 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	73.8	54.0	81.0
89	76.2	55.4	83.2



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





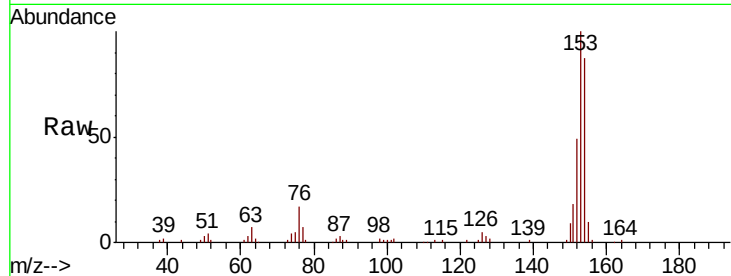
#52
Acenaphthene
Concen: 3.336 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

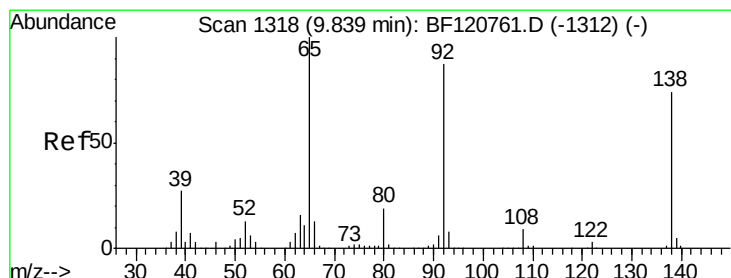
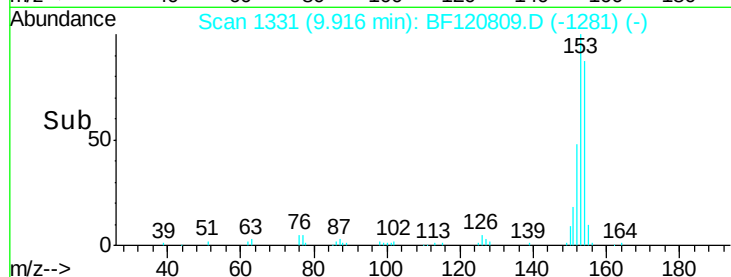
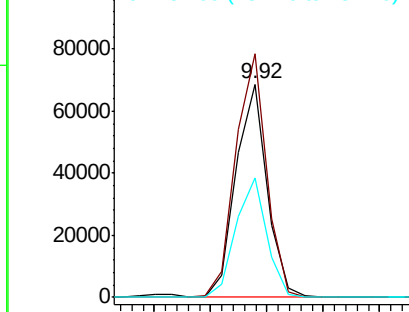
Tot Ion	Ratio	Lower	Upper
154	100		
153	114.3	88.6	132.8
152	56.2	43.6	65.4

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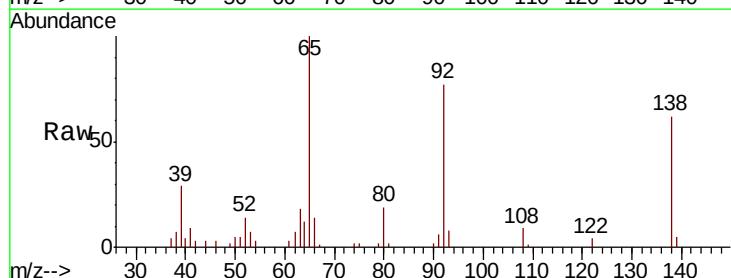


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

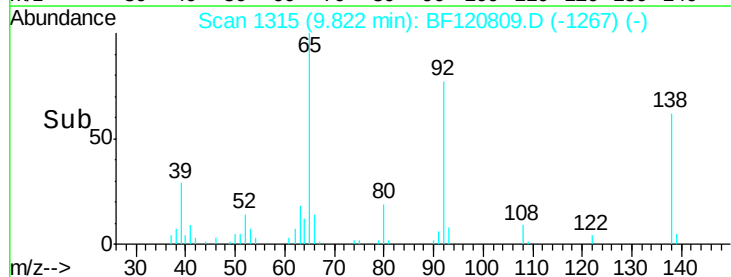
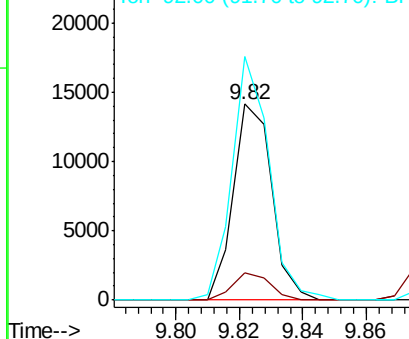


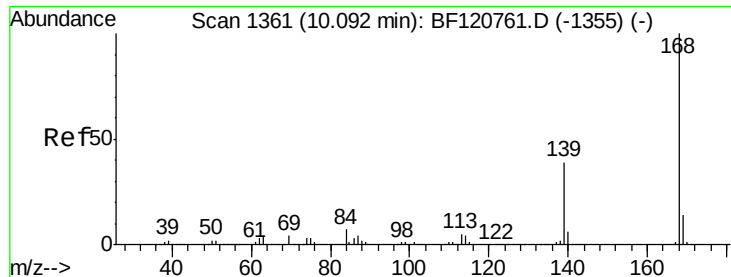
#53
3-Nitroaniline
Concen: 2.885 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
138	100		
108	13.9	9.8	14.6
92	124.4	93.4	140.2



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





#55

Dibenzenofuran

Concen: 3.610 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

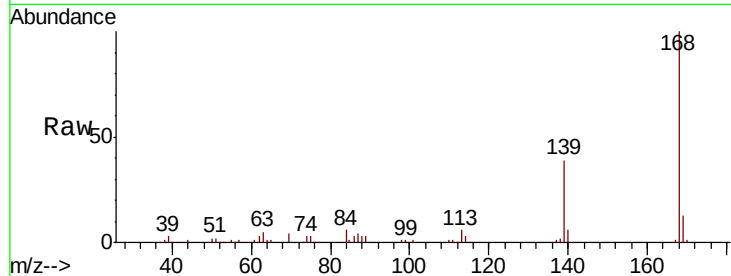
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

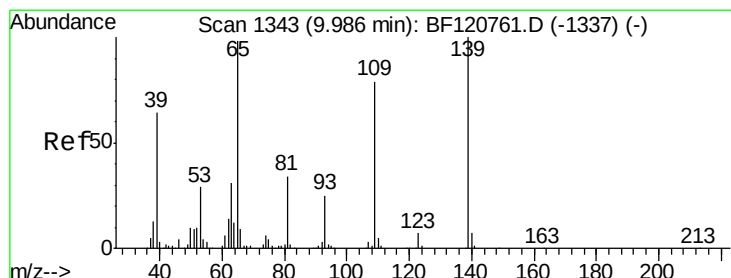
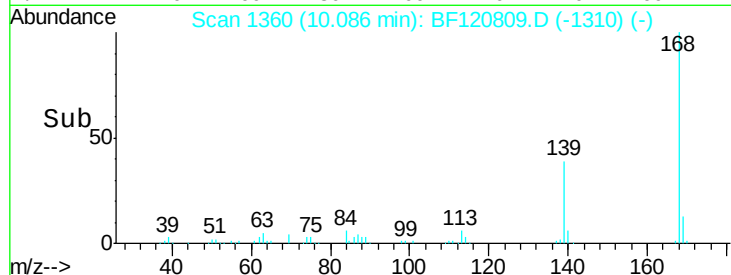
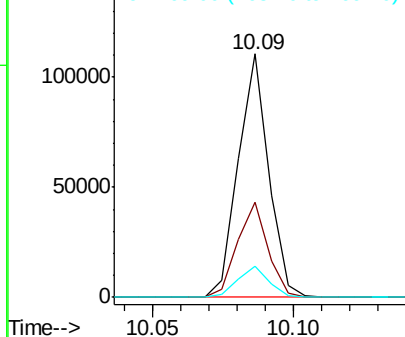
Tot Ion:	168	Resp:	82414
Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.3	46.9
169	13.0	11.2	16.8

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Abundance Ion 168.00 (167.70 to 168.70): E
150000 Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 2.250 ng

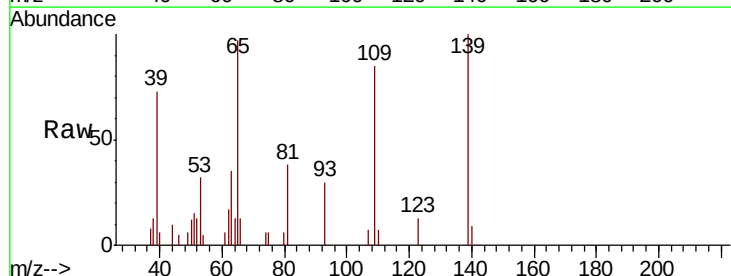
RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

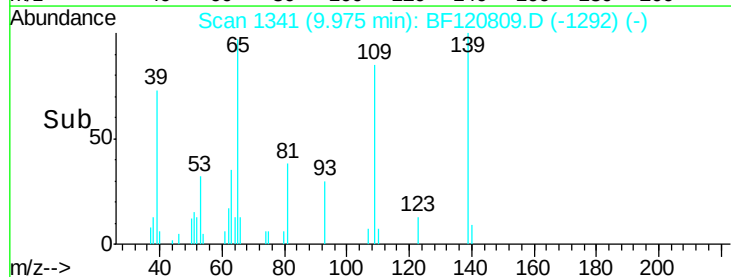
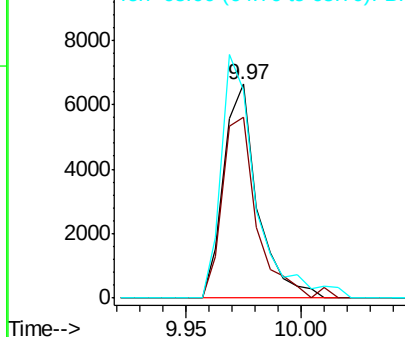
Lab File: BF120809.D

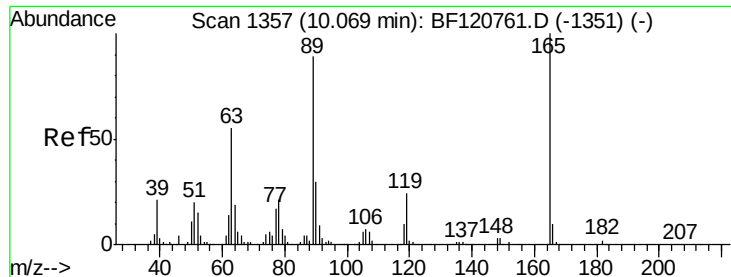
Acq: 9 Jul 2020 10:36

Tgt Ion:	139	Resp:	6779
Ion	Ratio	Lower	Upper
139	100		
109	84.8	58.6	98.6
65	97.3	78.7	118.7



Abundance Ion 139.00 (138.70 to 139.70): E
10000 Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





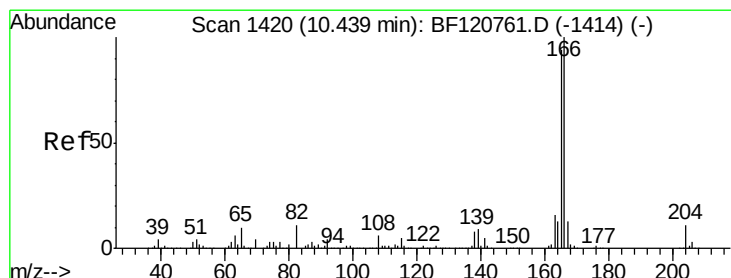
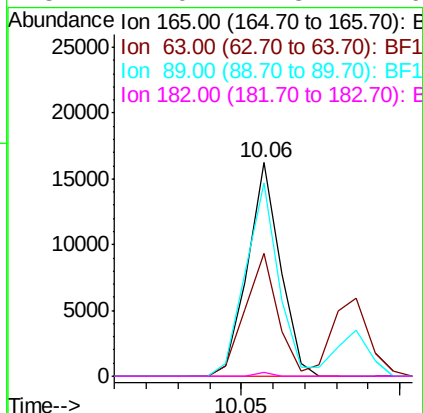
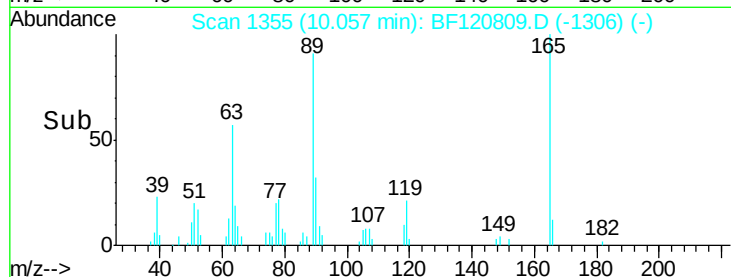
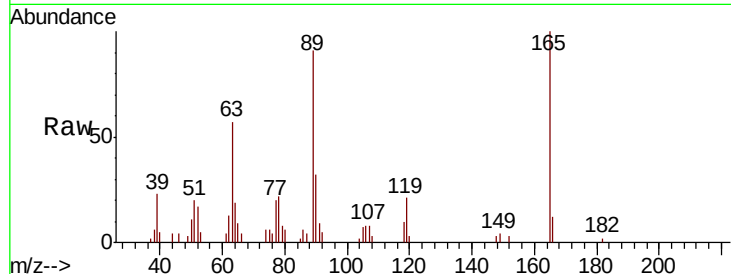
#57
2,4-Dinitrotoluene
Concen: 2.907 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	57.4	43.8	65.8
89	90.5	71.4	107.2
182	2.0	1.8	2.6

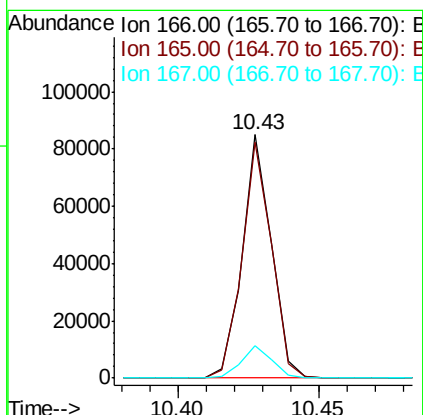
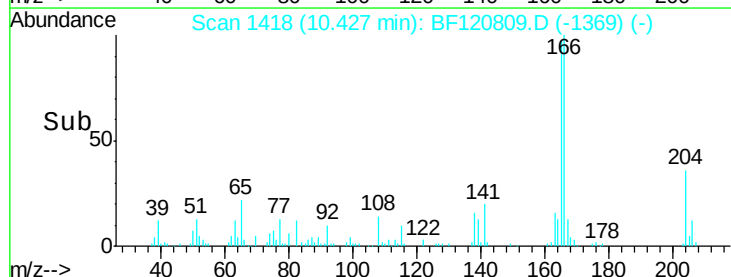
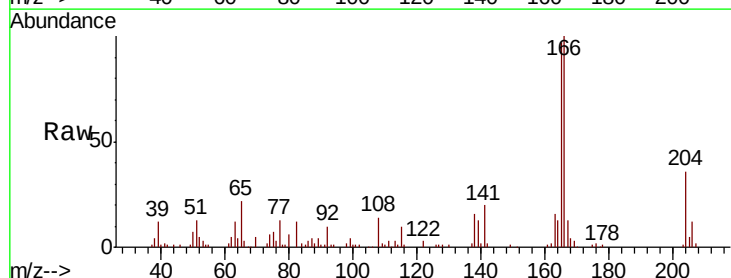
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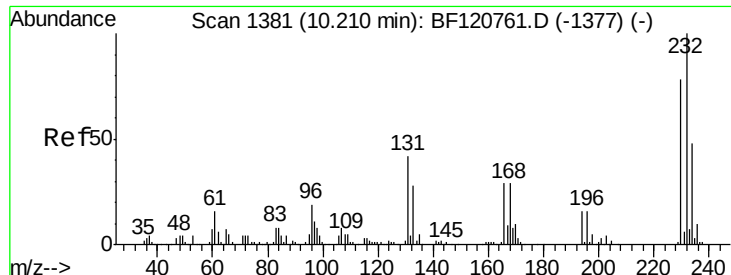
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#58
Fluorene
Concen: 3.569 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	75.5	113.3
167	13.4	10.6	16.0





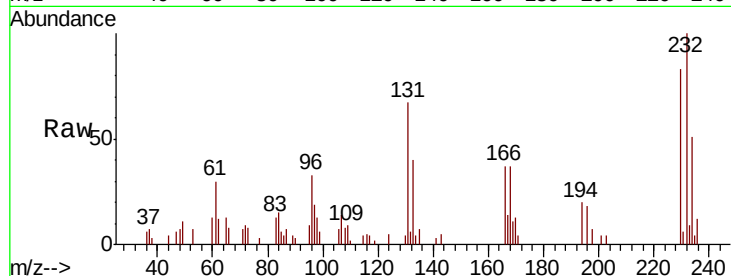
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 2.787 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

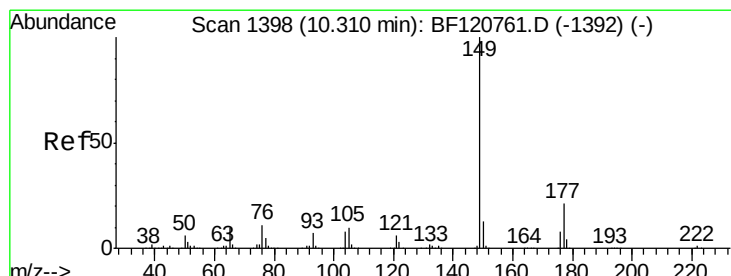
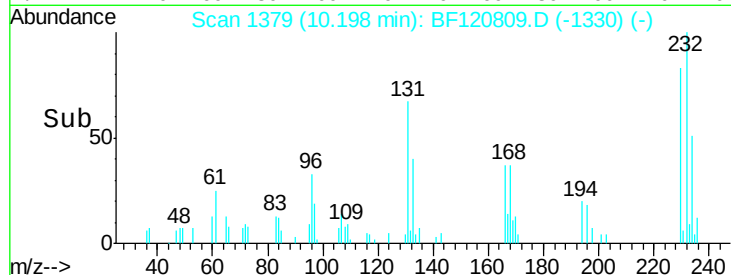
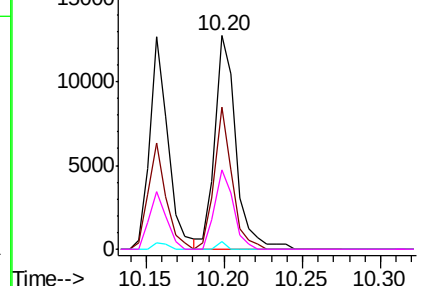
Tot Ion	Ratio	Lower	Upper
232	100		
131	42.2	36.3	54.5
130	2.1	2.0	3.0
166	22.2	20.9	31.3

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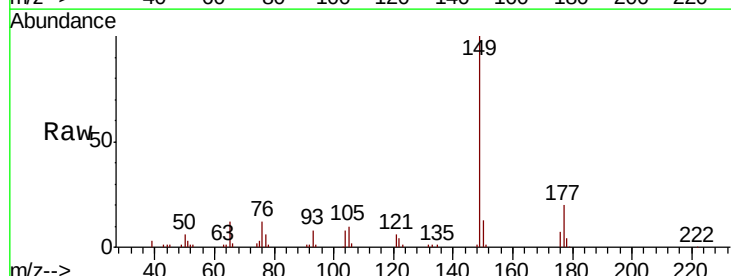


Abundance Ion 232.00 (231.70 to 232.70): E
 20000
 Ion 131.00 (130.70 to 131.70): E
 15000
 Ion 130.00 (129.70 to 130.70): E
 10000
 Ion 166.00 (165.70 to 166.70): E
 5000
 0

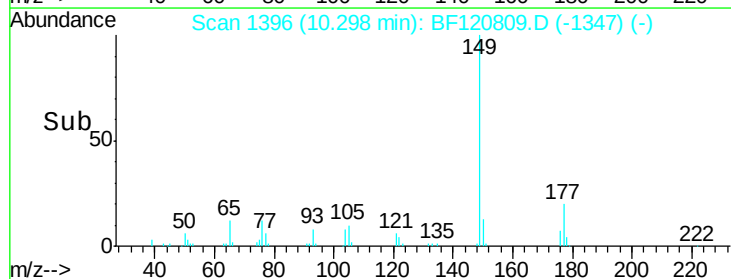
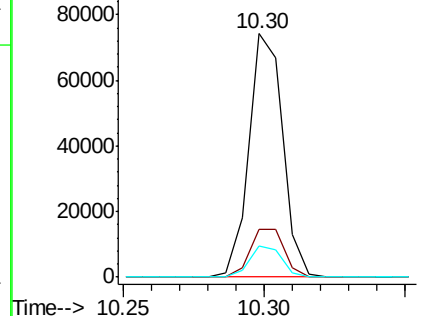


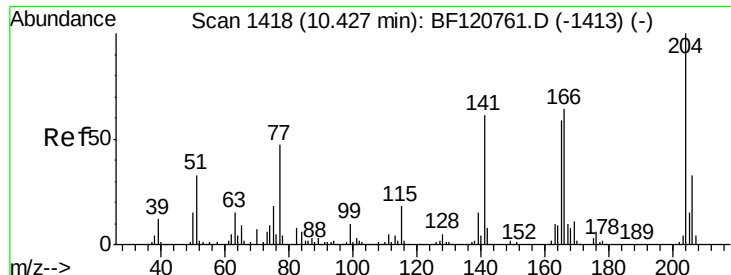
#60
 Diethylphthalate
 Concen: 3.220 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.6	16.4	24.6
150	12.9	10.2	15.4



Abundance Ion 149.00 (148.70 to 149.70): E
 100000
 Ion 177.00 (176.70 to 177.70): E
 80000
 Ion 150.00 (149.70 to 150.70): E
 60000
 40000
 20000
 0





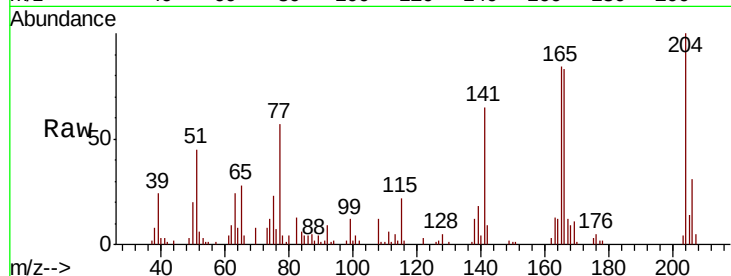
#61
4-Chlorophenyl-phenylether
Concen: 3.468 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.3	26.7	40.1
141	65.4	48.5	72.7

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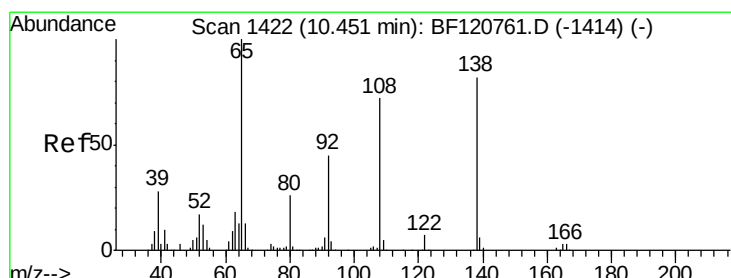
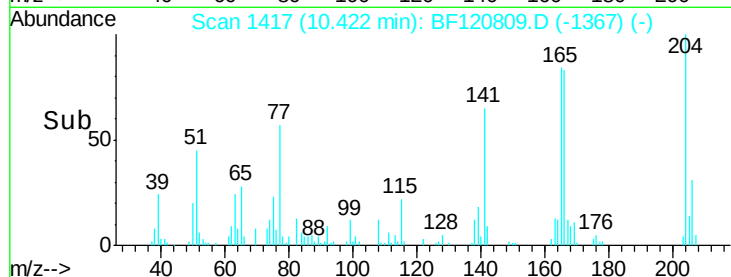
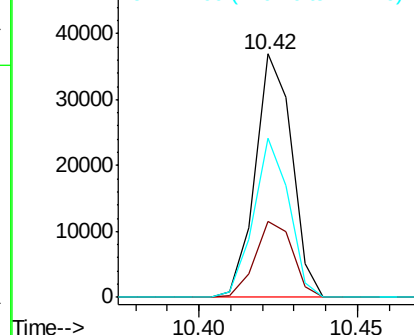


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 2.716 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

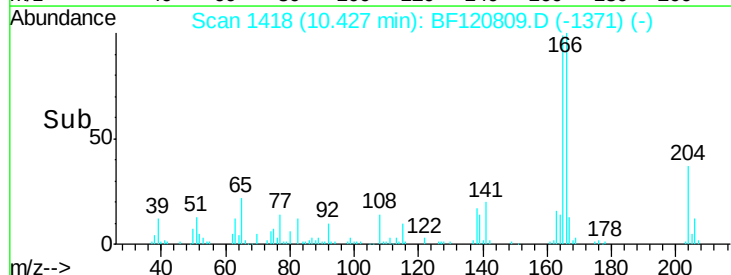
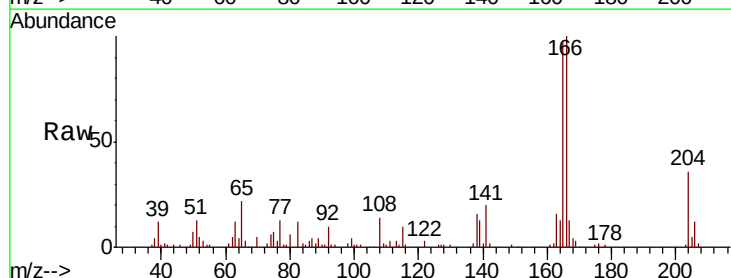
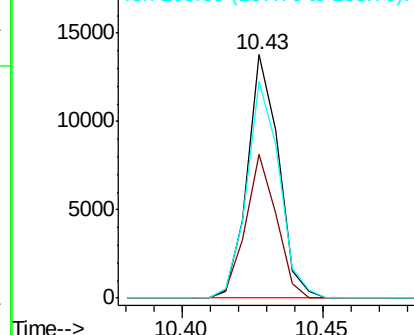
Tgt Ion	Ratio	Lower	Upper
138	100		
92	59.2	34.3	74.3
108	89.1	68.3	108.3

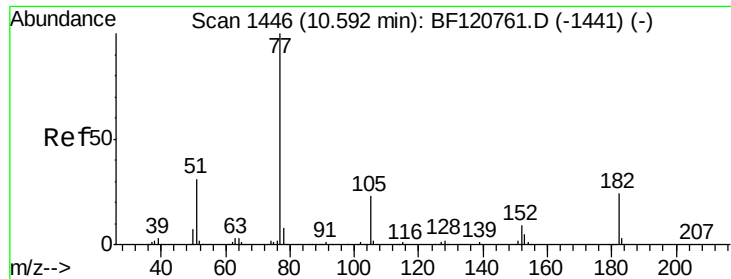
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





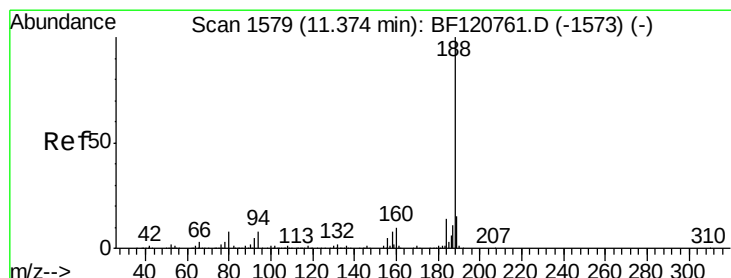
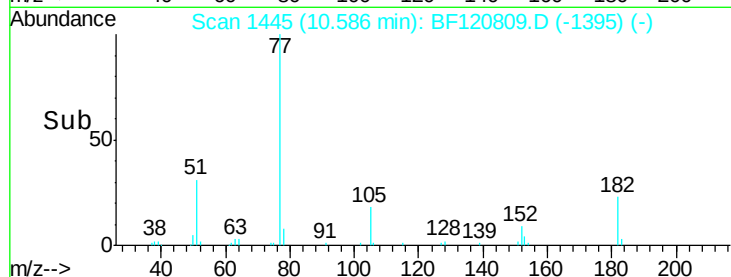
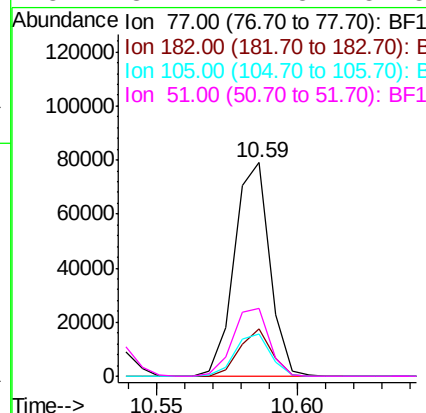
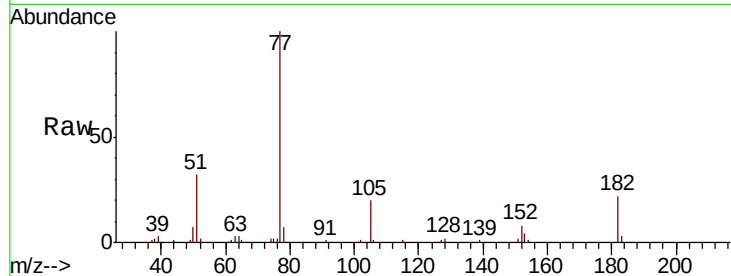
#63
Azobenzene
Concen: 3.492 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	22.5	4.0	44.0	
105	20.0	2.6	42.6	
51	31.7	11.5	51.5	

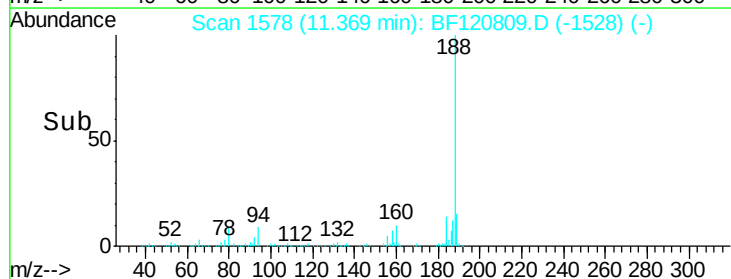
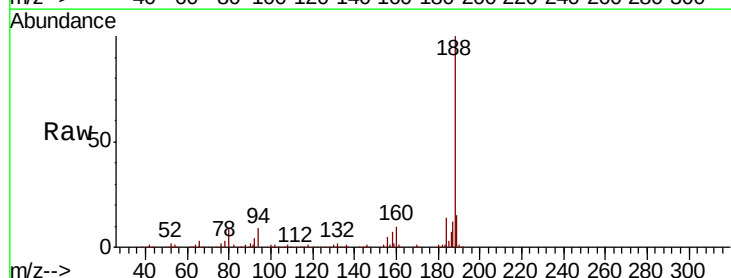
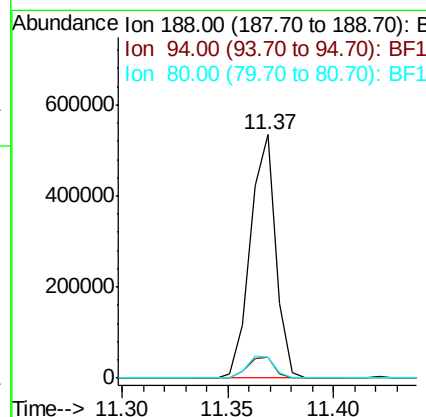
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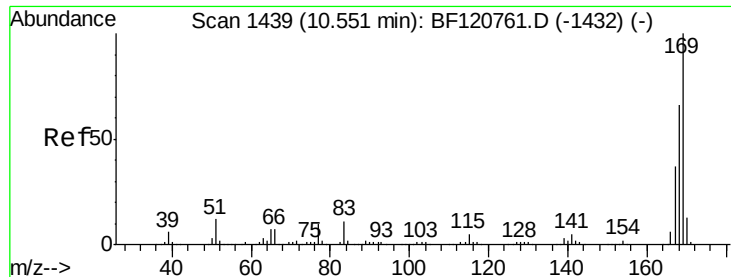
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.6	6.6	9.8	
80	8.7	6.6	10.0	





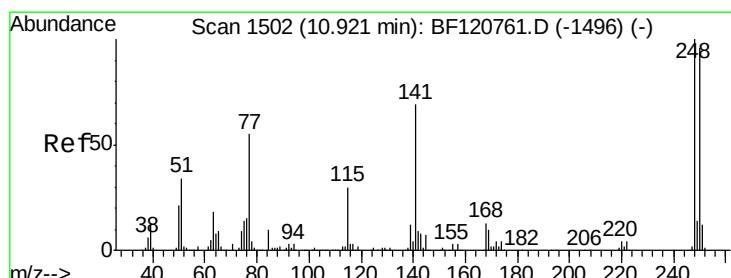
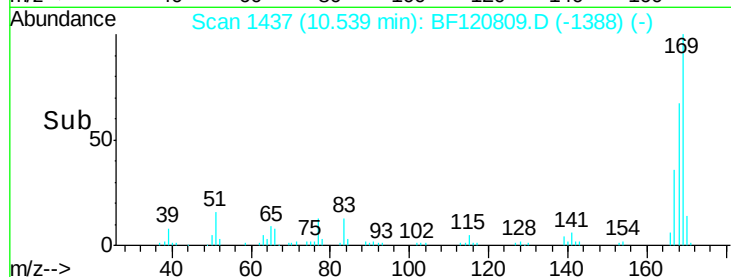
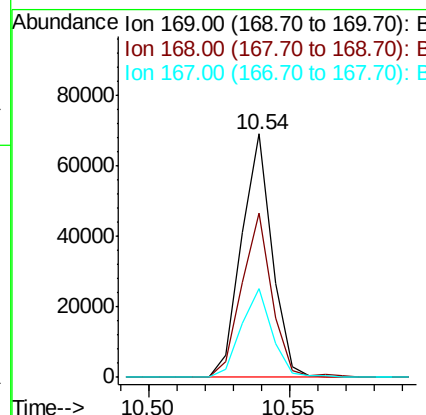
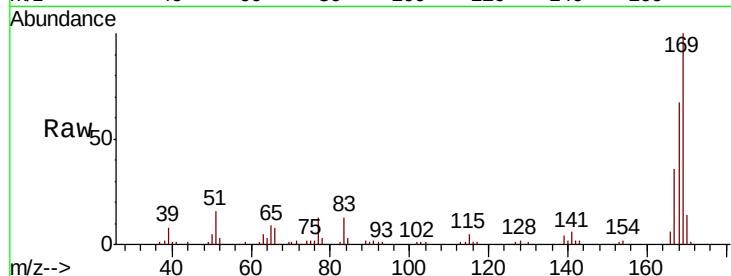
#66
 n-Nitrosodiphenylamine
 Concen: 3.433 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.1	79.7
167	36.4	29.6	44.4

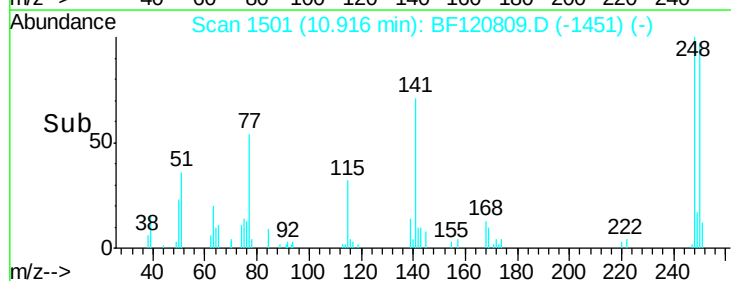
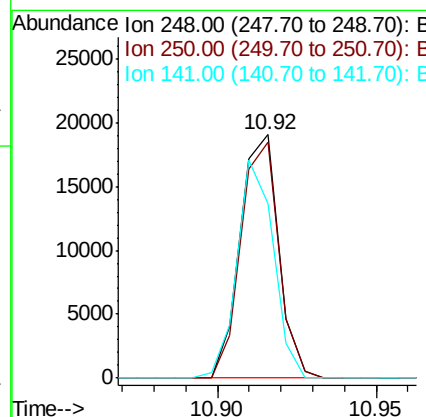
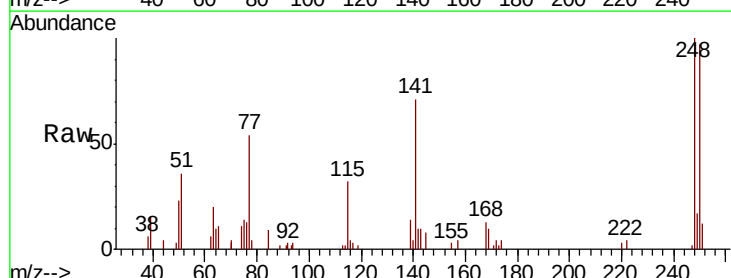
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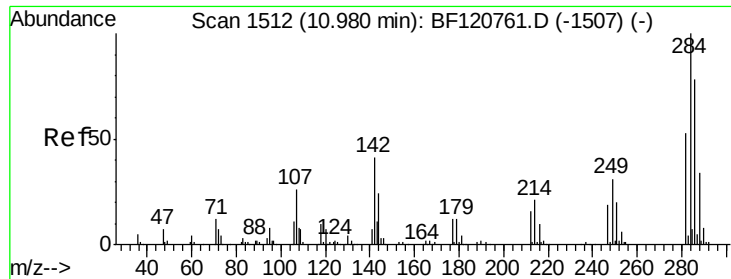
mohammad
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#67
 4-Bromophenyl-phenylether
 Concen: 3.090 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.1	76.5	114.7
141	71.5	54.9	82.3





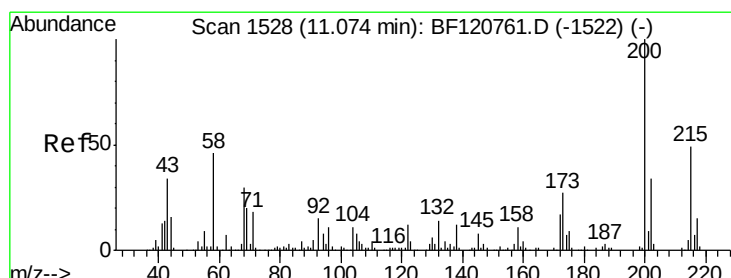
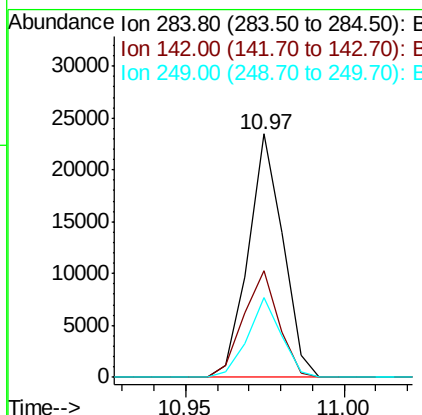
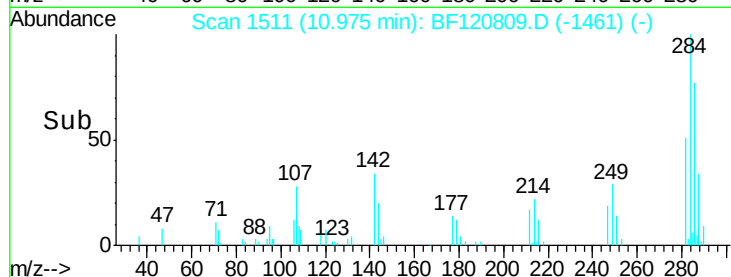
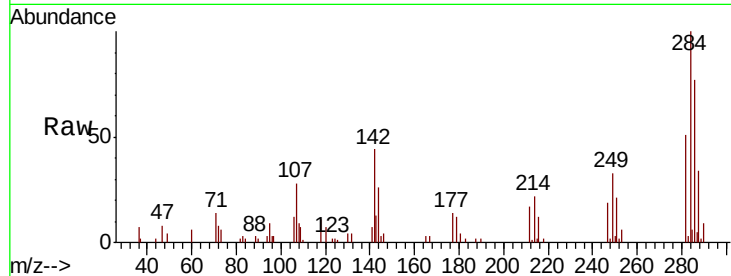
#68
Hexachlorobenzene
Concen: 3.265 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
284	100		
142	43.7	32.5	48.7
249	33.0	24.8	37.2

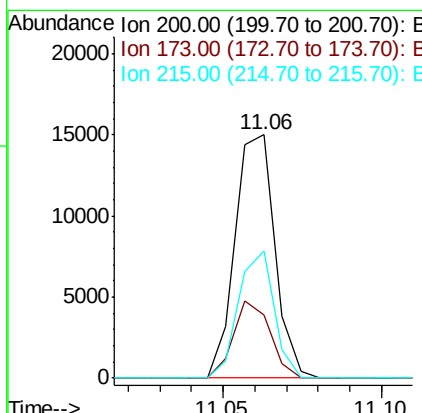
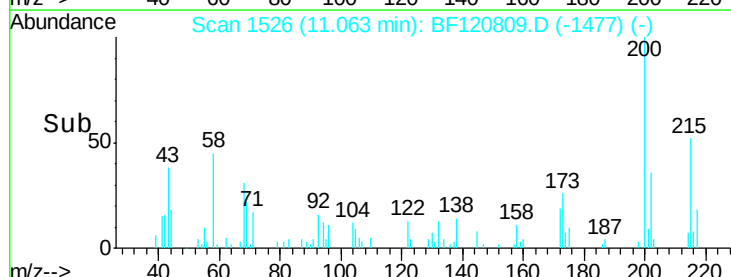
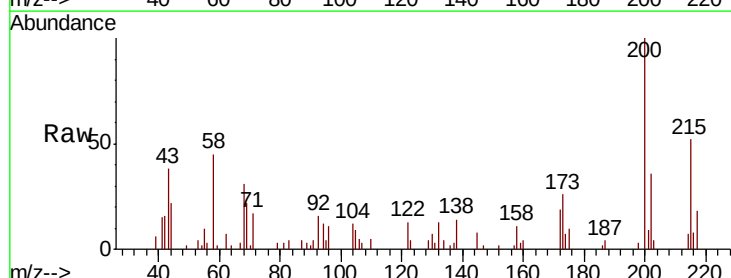
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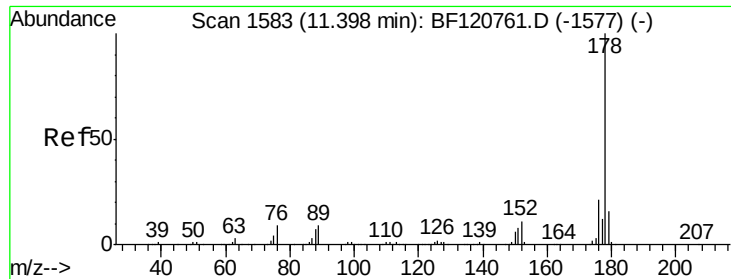
mohammad
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#69
Atrazine
Concen: 3.372 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.7	7.4	47.4
215	52.0	28.8	68.8





#71

Phenanthrene

Concen: 3.528 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

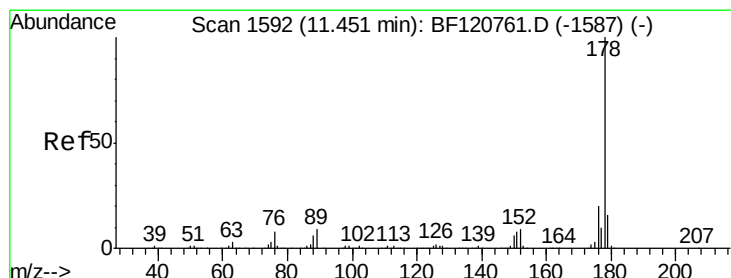
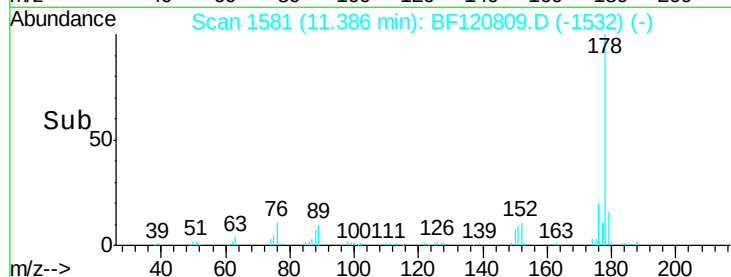
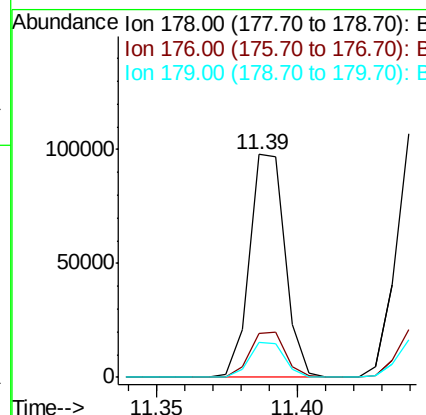
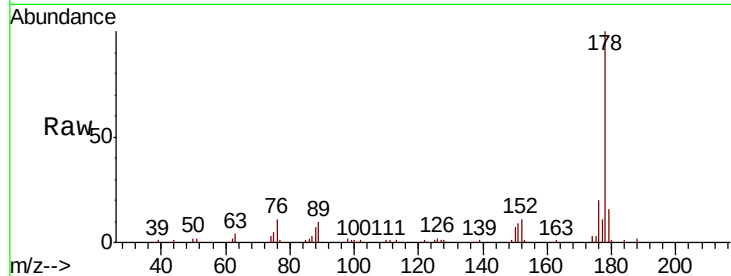
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:178	Resp:	85583
Ion Ratio	Lower	Upper
178	100	
176	19.7	16.4 24.6
179	15.8	12.9 19.3

Manual Integrations
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#72

Anthracene

Concen: 3.460 ng

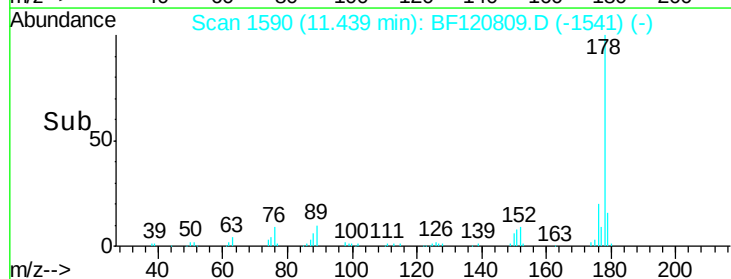
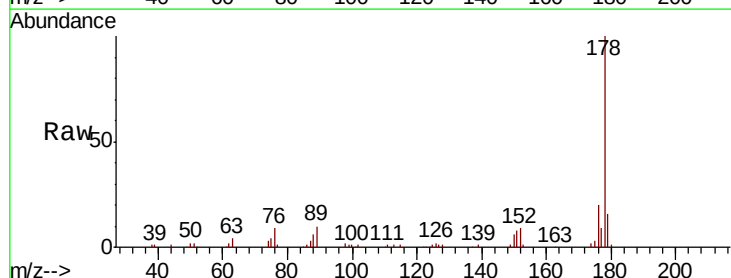
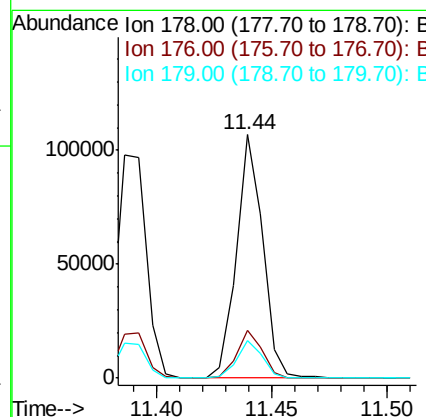
RT: 11.44 min Scan# 1590

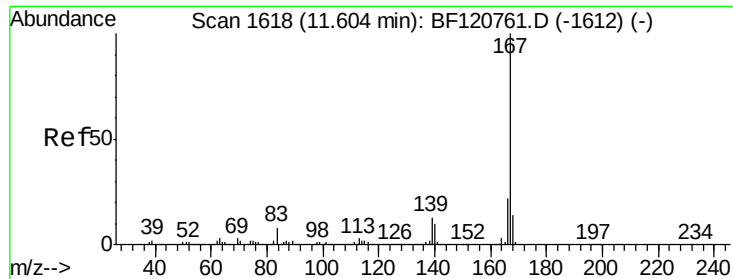
Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:178	Resp:	84828
Ion Ratio	Lower	Upper
178	100	
176	19.7	16.2 24.2
179	15.6	12.7 19.1





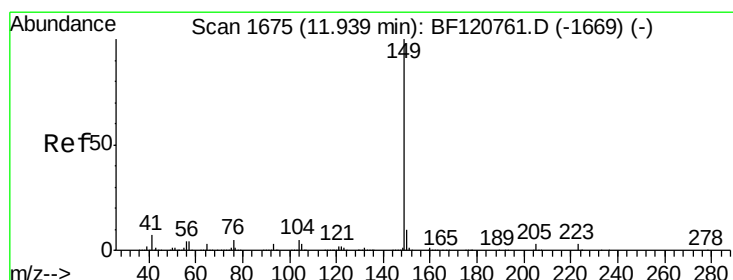
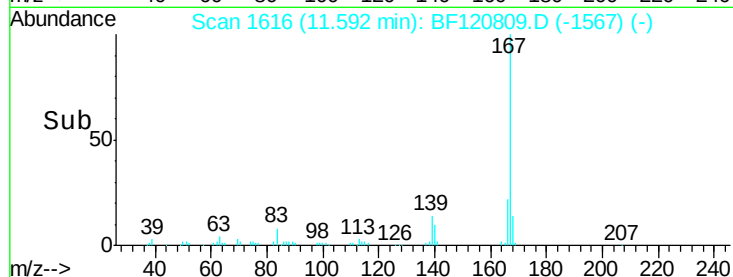
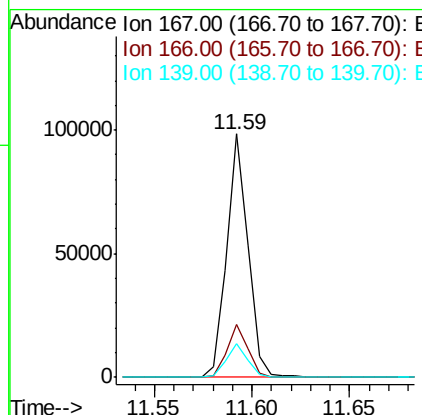
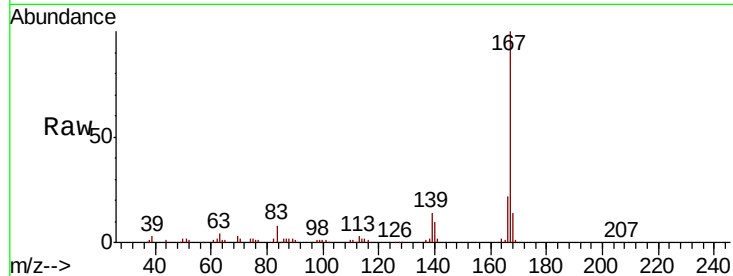
#73
 Carbazole
 Concen: 3.166 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.8
139	13.7	10.7	16.1

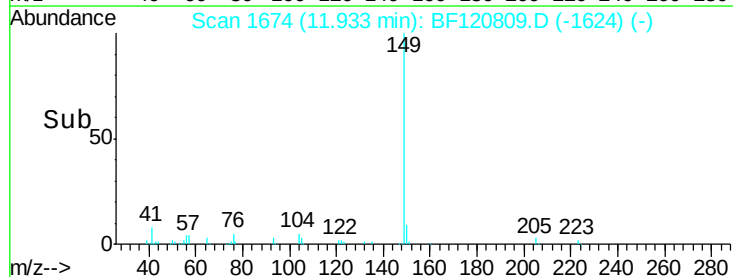
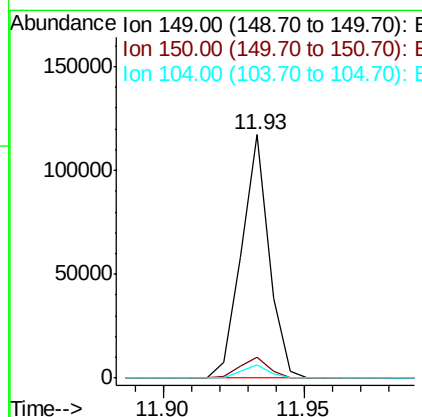
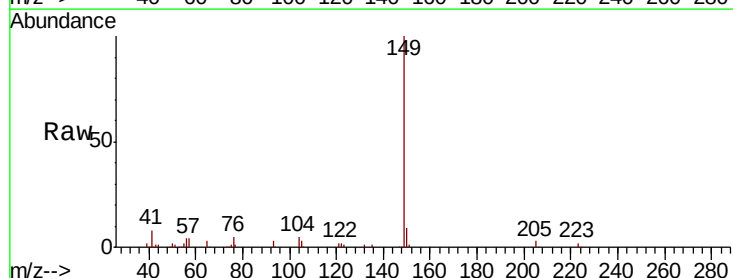
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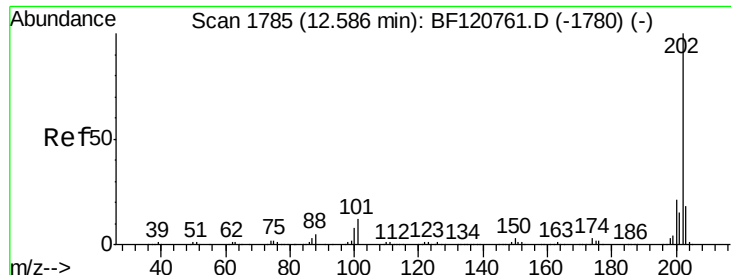
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#74
 Di-n-butylphthalate
 Concen: 2.724 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.7	11.5
104	5.2	4.0	6.0





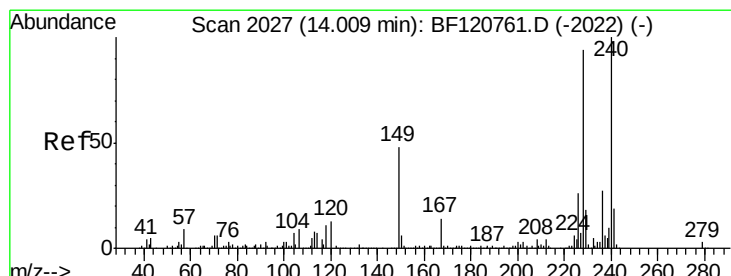
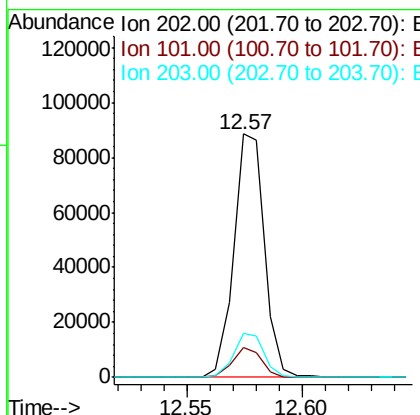
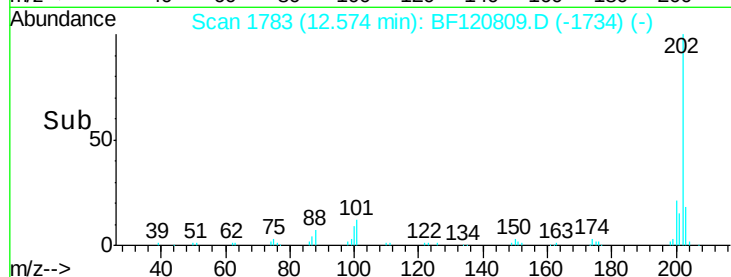
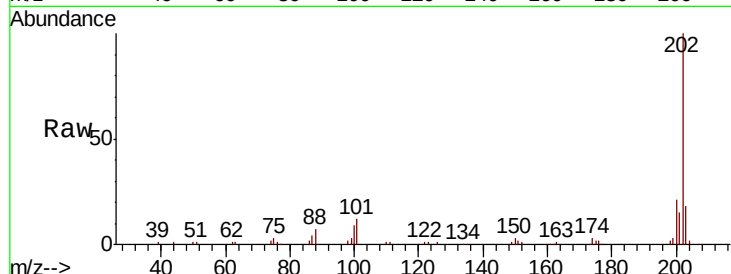
#75
Fluoranthene
Concen: 3.155 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	31.6
203	18.1	0.0	38.2

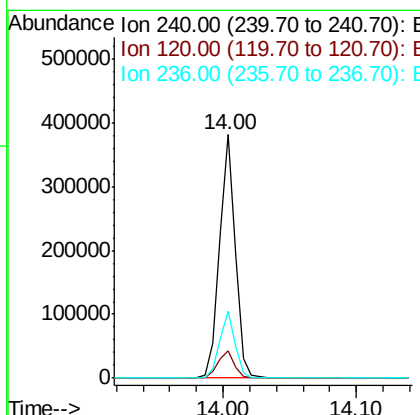
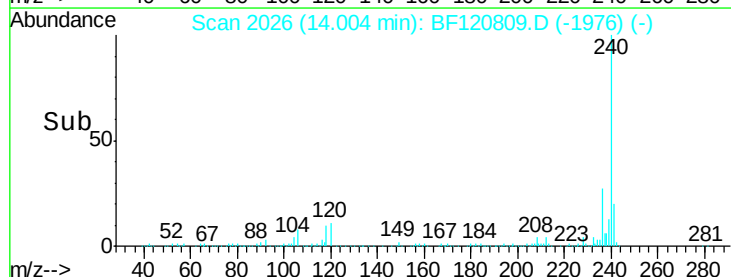
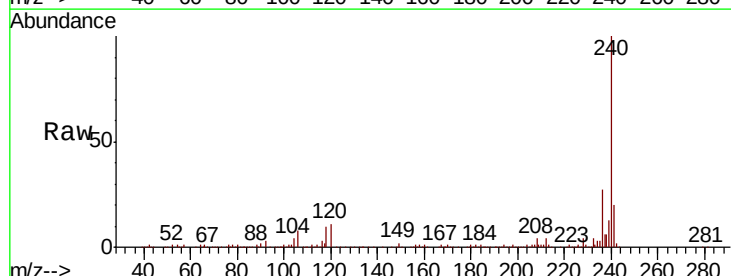
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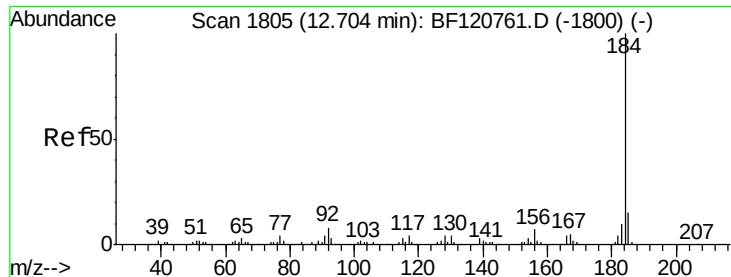
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	10.3	15.5
236	27.4	21.4	32.2





#77

Benzidine

Concen: 2.425 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

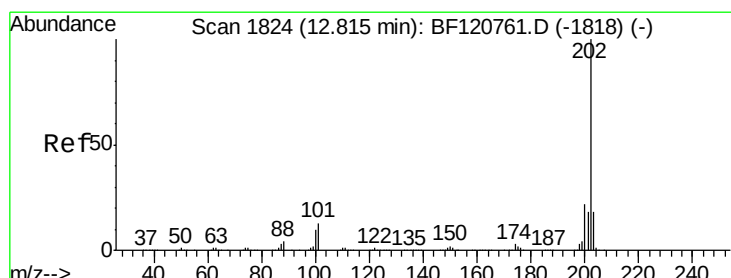
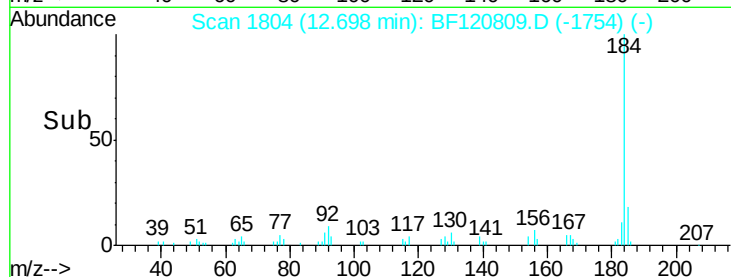
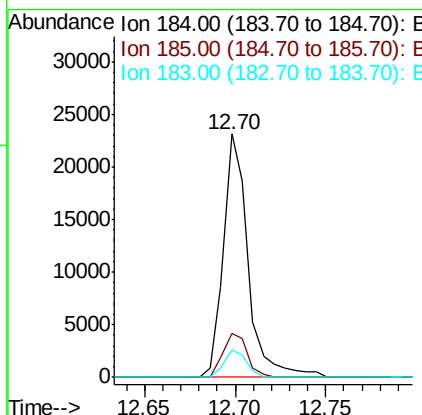
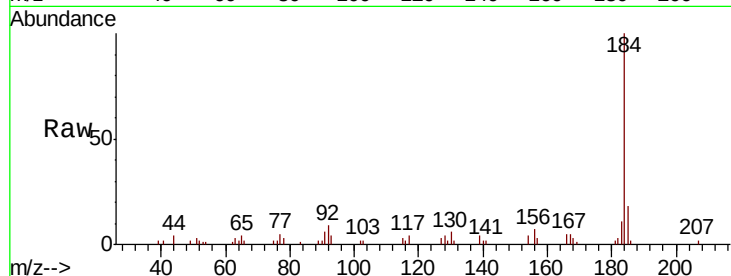
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	21952
Ion Ratio	Lower	Upper	
184	100		
185	17.8	11.8	17.8#
183	11.1	8.3	12.5

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#78

Pyrene

Concen: 3.391 ng

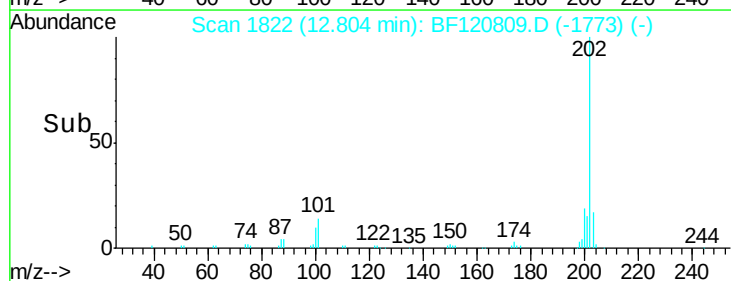
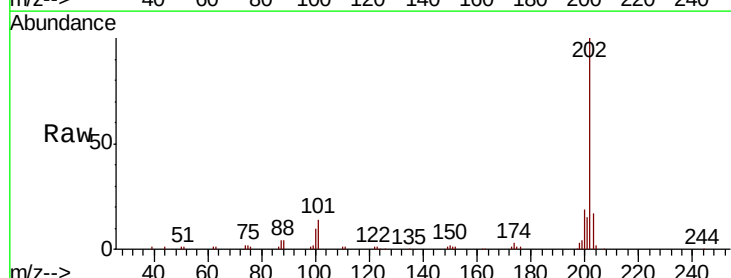
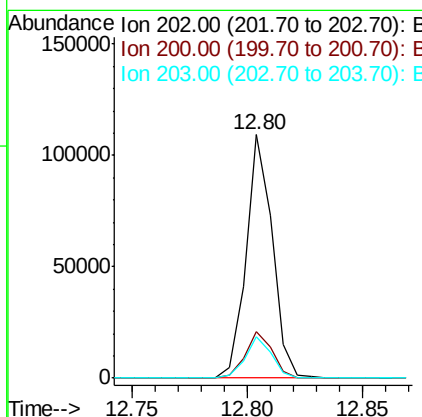
RT: 12.80 min Scan# 1822

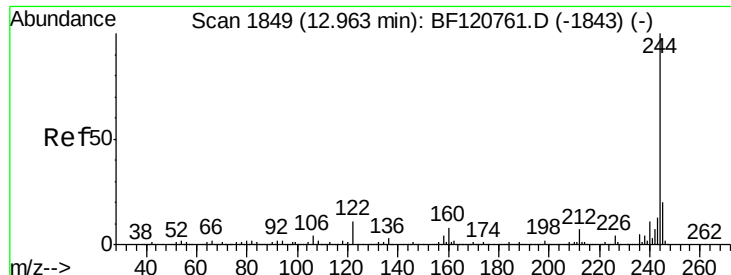
Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:	202	Resp:	86865
Ion Ratio	Lower	Upper	
202	100		
200	19.4	17.3	25.9
203	17.0	14.6	22.0





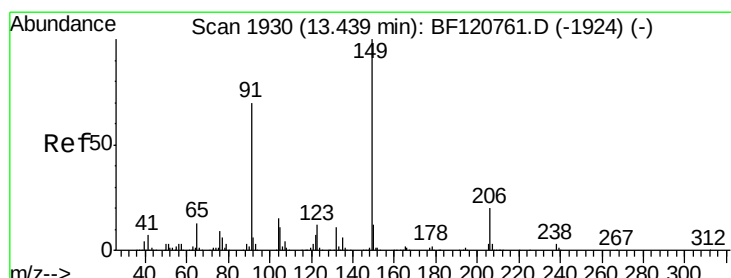
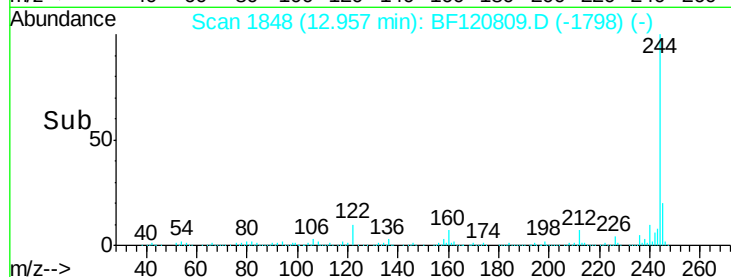
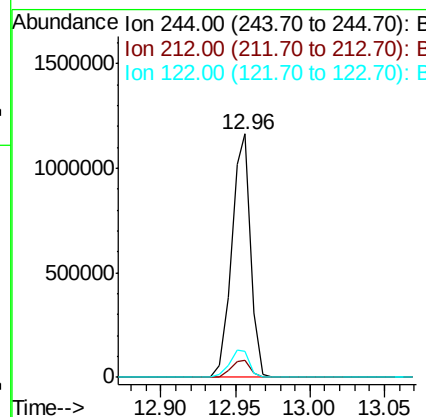
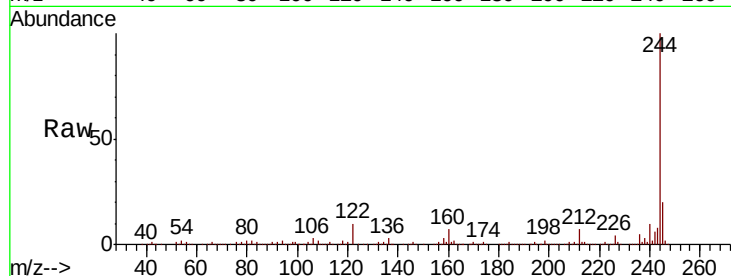
#79
 Terphenyl-d14
 Concen: 63.857 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.4	9.0	13.4

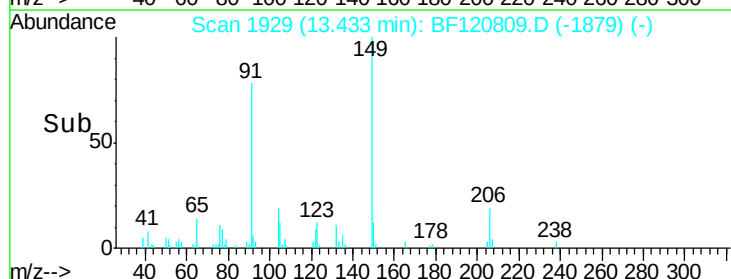
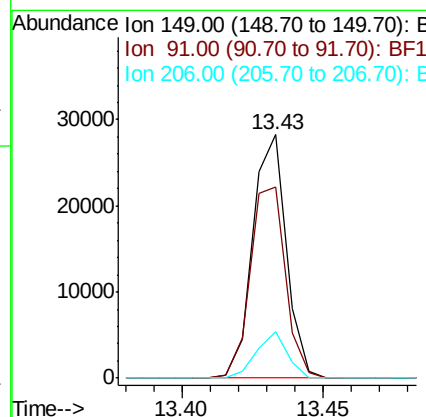
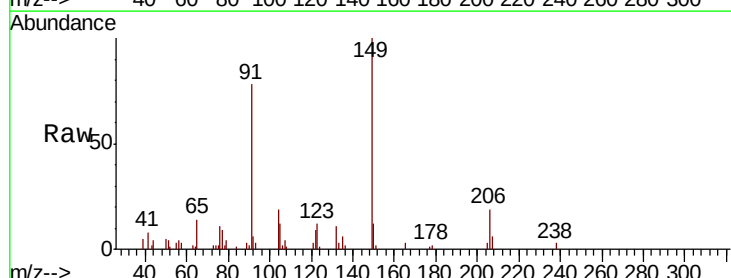
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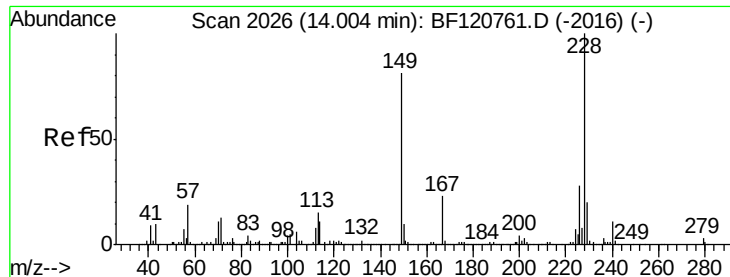
mohammad
 7/10/2020 11:47:32 AM



#80
 Butylbenzylphthalate
 Concen: 2.111 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.3	55.8	83.8
206	19.3	15.7	23.5





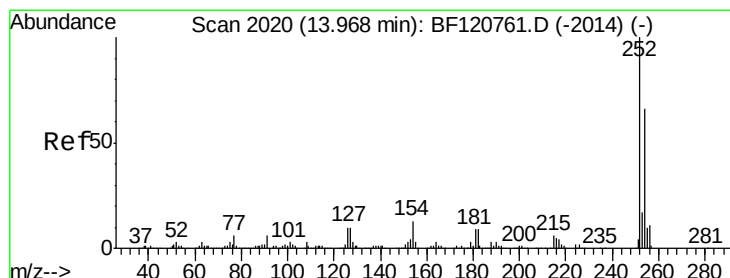
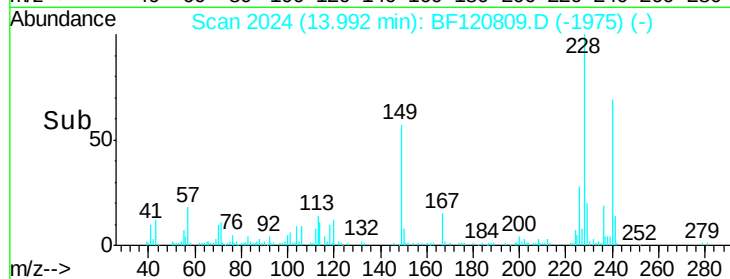
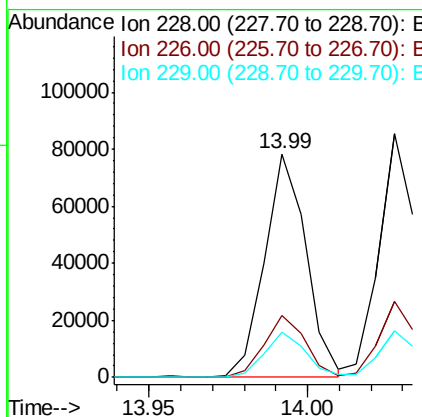
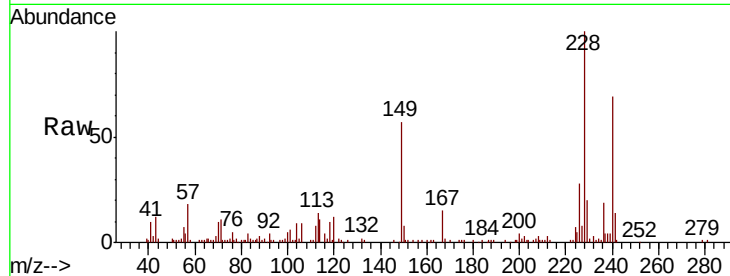
#81
Benzo(a)anthracene
Concen: 3.482 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.3	15.8	23.6

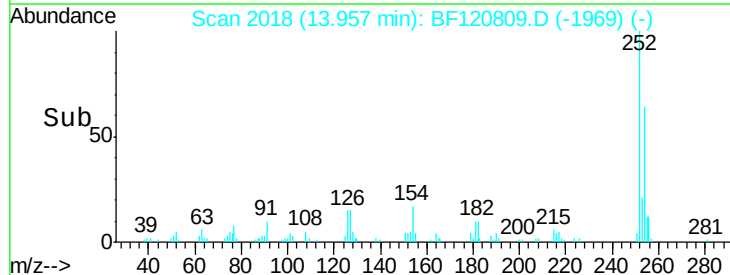
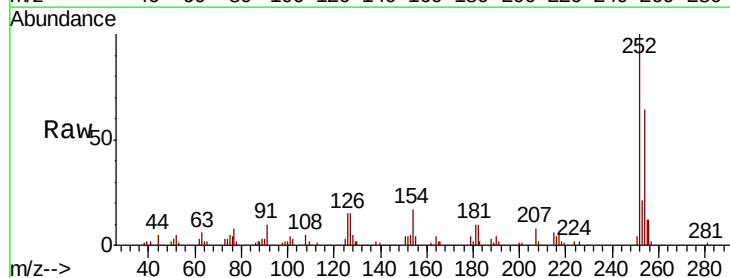
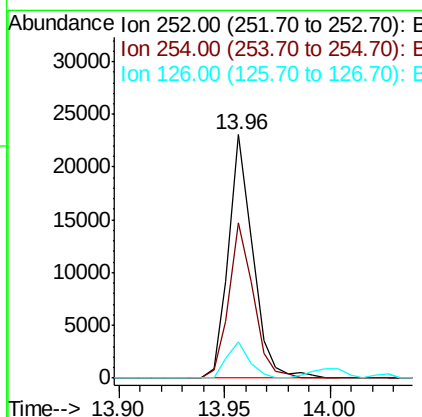
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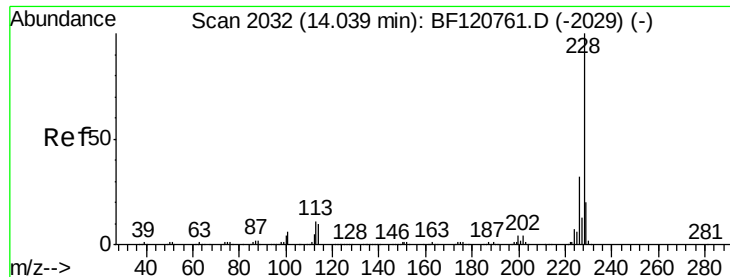
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 2.659 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.0	52.6	78.8
126	14.7	7.8	11.8





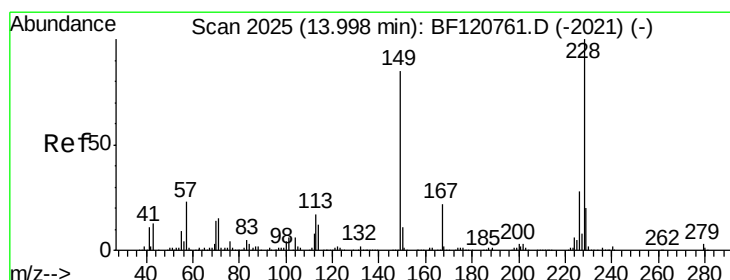
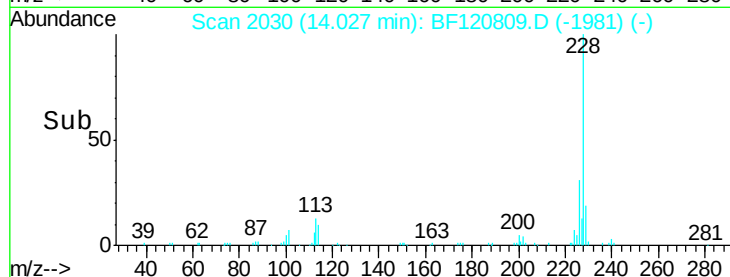
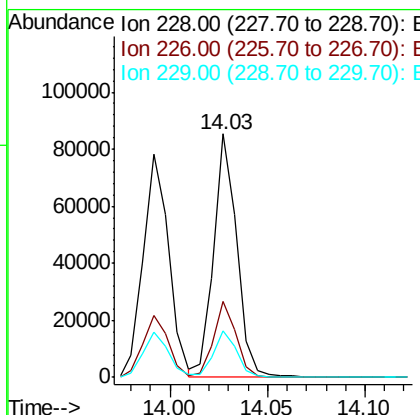
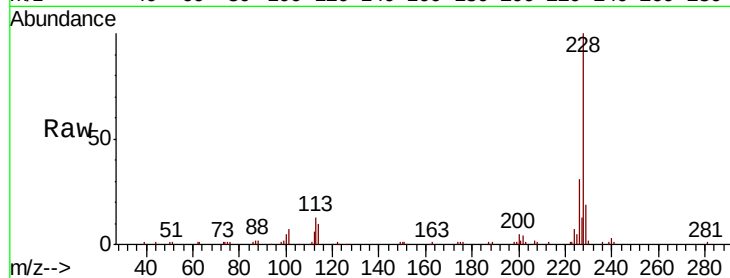
#83
Chrysene
Concen: 3.362 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.7	38.5
229	18.9	16.3	24.5

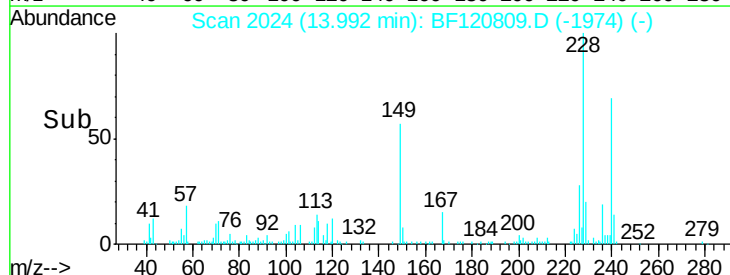
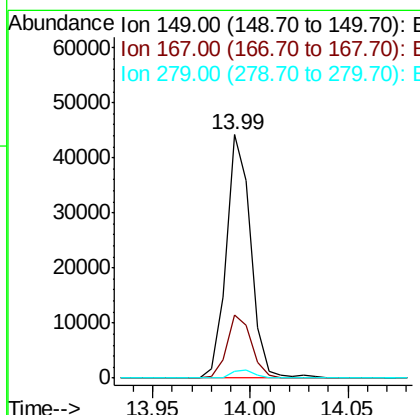
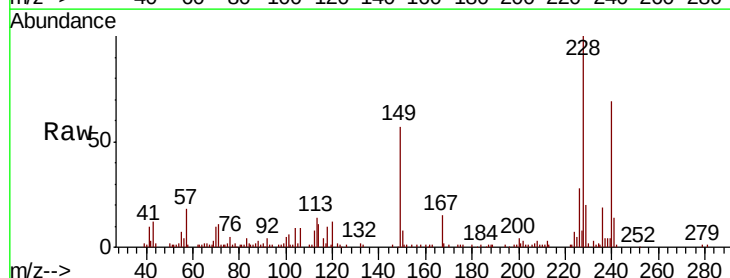
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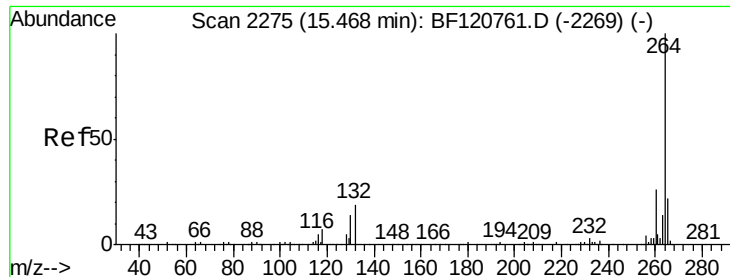
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.645 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.9	31.3
279	2.5	2.6	4.0





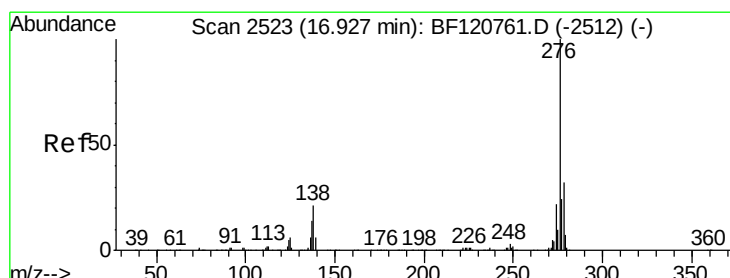
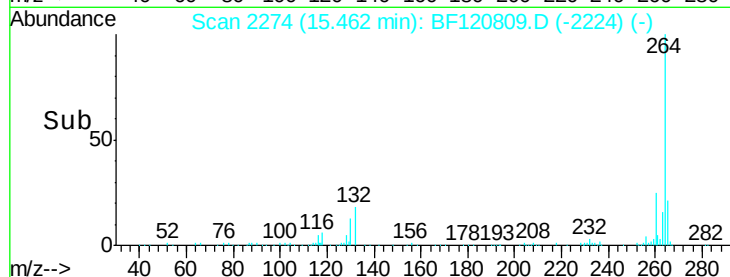
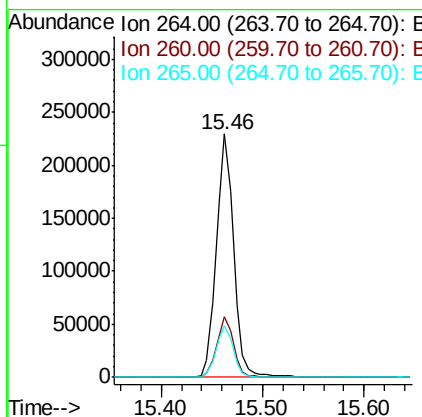
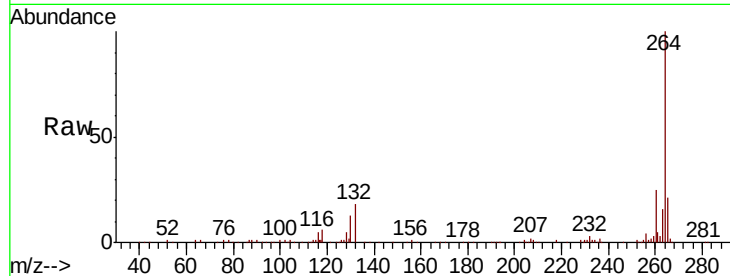
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.6	30.8
265	21.4	17.6	26.4

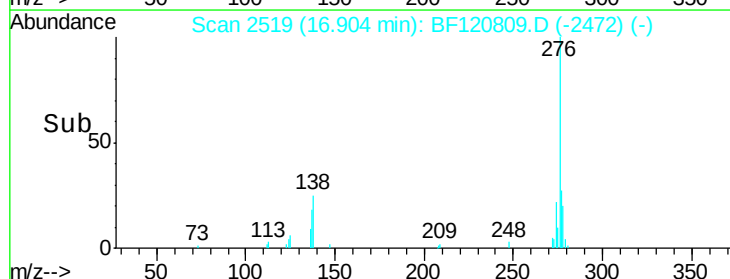
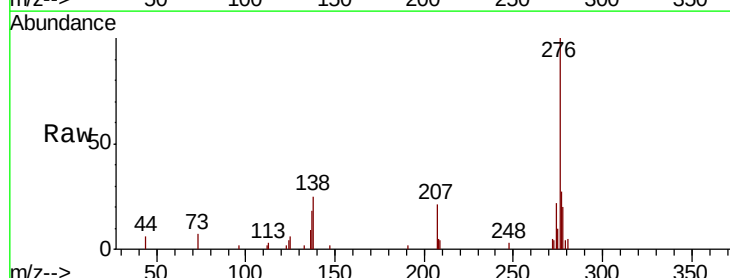
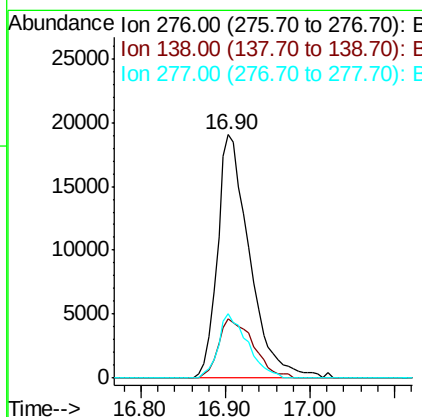
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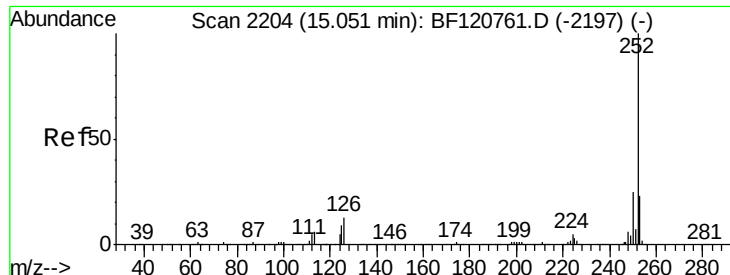
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.878 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.4	19.8	29.8
277	24.2	19.9	29.9





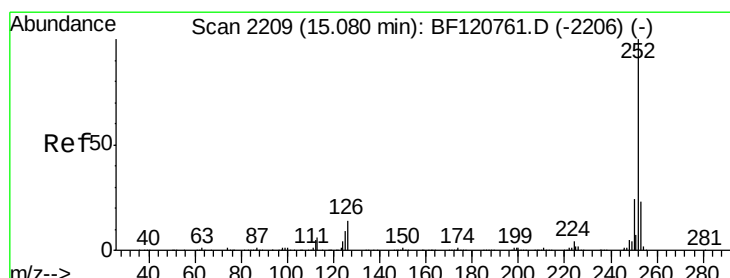
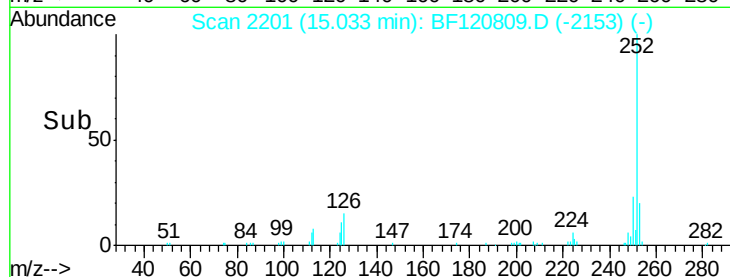
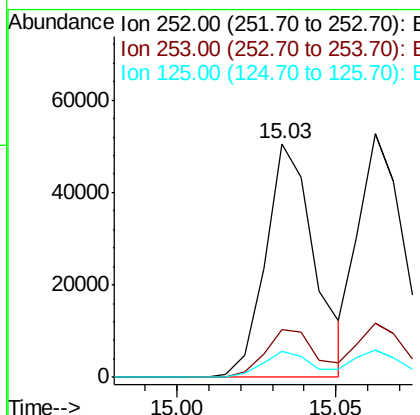
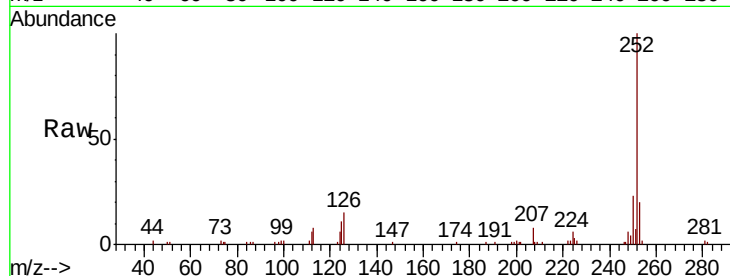
#88
Benzo(b)fluoranthene
Concen: 3.028 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.0	27.0
125	11.3	7.5	11.3#

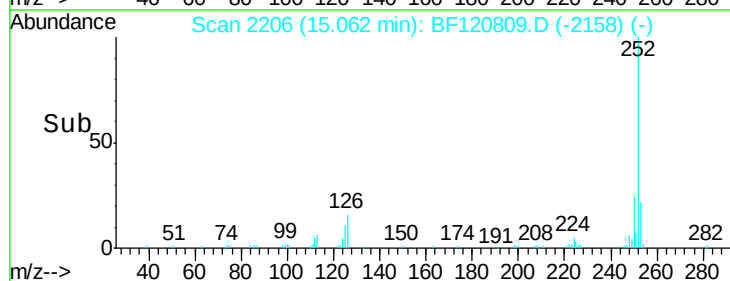
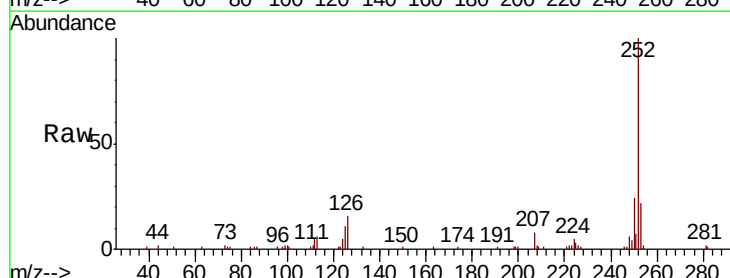
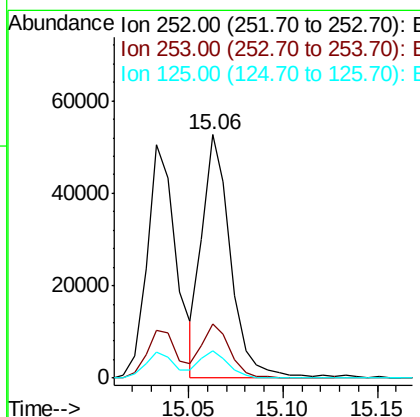
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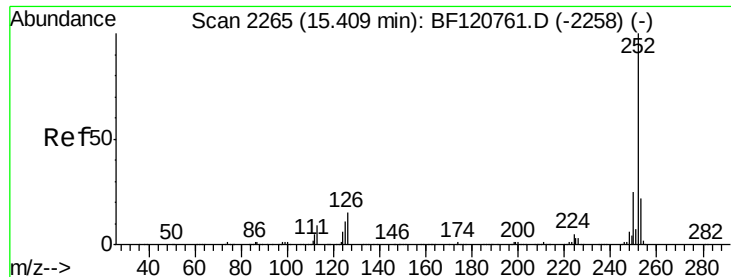
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.186 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	11.4	7.6	11.4#





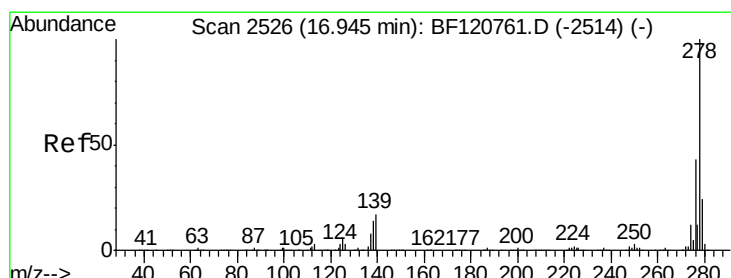
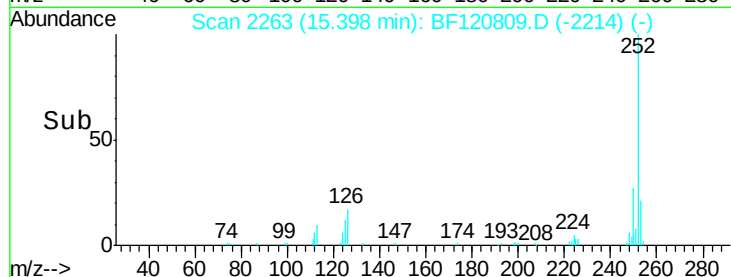
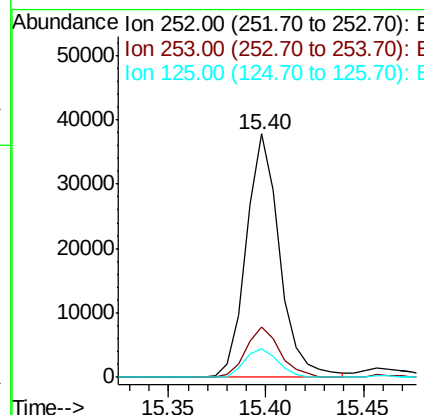
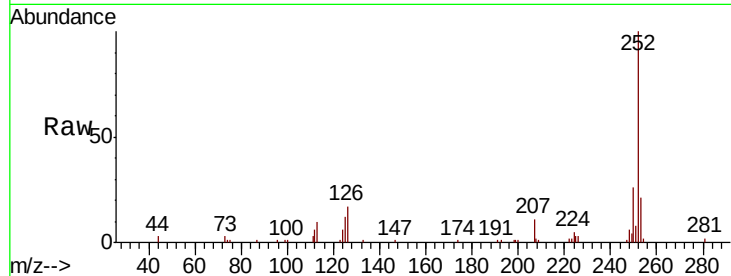
#90
Benzo(a)pyrene
Concen: 2.811 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.4	26.0
125	11.9	9.2	13.8

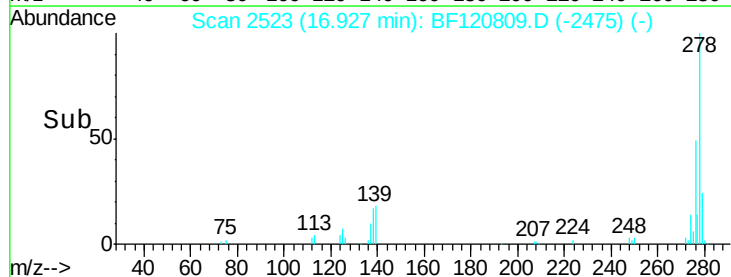
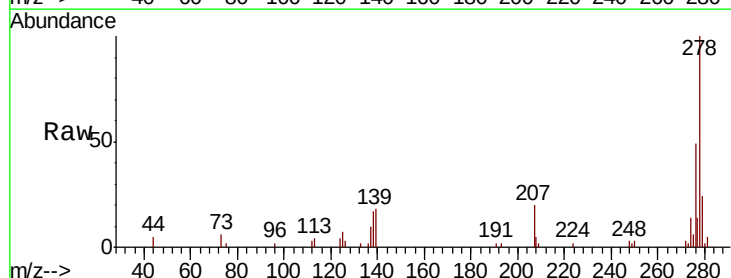
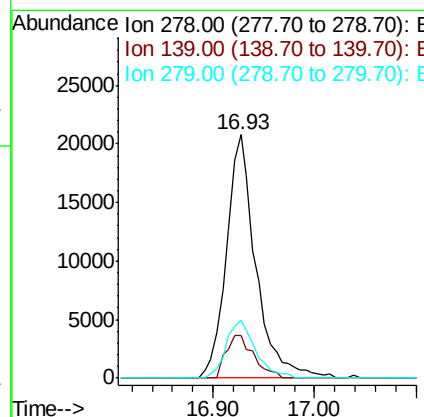
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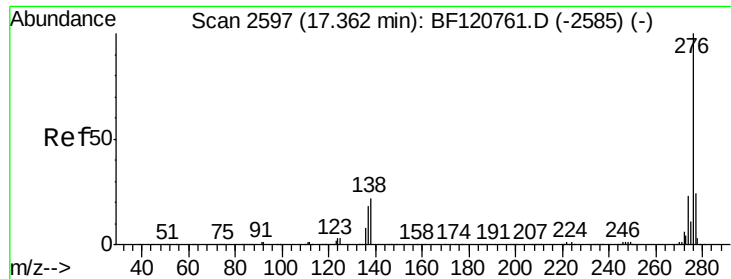
mohammad
7/10/2020 11:47:32 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.865 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.3	19.9
279	23.7	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.140 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.02 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	276	Resp:	41811
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.8	28.2
138	19.9	17.4	26.2

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