

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
 Data File : BF121602.D
 Acq On : 17 Sep 2020 17:53
 Operator : JU/CG
 Sample : L4032-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Manual Integrations
 APPROVED

mohammad
 9/21/2020 10:32:20 AM

Quant Time: Sep 18 09:01:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	186703	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	717130	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	368500	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	679602	20.00	ng	0.00
76) Chrysene-d12	13.98	240	424422	20.00	ng	-0.01
86) Perylene-d12	15.43	264	378211	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1302845	103.70	ng	0.01
7) Phenol-d6	6.47	99	1685898	102.29	ng	0.00
23) Nitrobenzene-d5	7.39	82	1189291	89.04	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	547062	119.45	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	2000652	82.23	ng	0.00
79) Terphenyl-d14	12.93	244	1952377	93.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	222398	38.533	ng	99
3) Pyridine	3.41	79	645453	40.453	ng	100
4) n-Nitrosodimethylamine	3.37	42	312819	42.267	ng	98
6) Aniline	6.49	93	517636	24.114	ng	# 87
8) 2-Chlorophenol	6.61	128	560580	43.826	ng	98
9) Benzaldehyde	6.37	77	246531	22.880	ng	98
10) Phenol	6.48	94	687825	39.189	ng	84
11) bis(2-Chloroethyl)ether	6.56	93	568955	43.011	ng	97
12) 1,3-Dichlorobenzene	6.76	146	588589	41.227	ng	98
13) 1,4-Dichlorobenzene	6.84	146	594142	41.446	ng	98
14) 1,2-Dichlorobenzene	6.99	146	570722	43.217	ng	100
15) Benzyl Alcohol	6.97	79	492684	43.979	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	859130	40.360	ng	93
17) 2-Methylphenol	7.09	107	461034	42.361	ng	95
18) Hexachloroethane	7.33	117	219104	42.686	ng	99
19) n-Nitroso-di-n-propylamine	7.25	70	388054	40.852	ng	98
20) 3+4-Methylphenols	7.24	107	528740	40.435	ng	96
22) Acetophenone	7.23	105	731608	40.210	ng	94
24) Nitrobenzene	7.41	77	607719	42.069	ng	96
25) Isophorone	7.65	82	1089697	40.529	ng	99
26) 2-Nitrophenol	7.72	139	293417	43.404	ng	95
27) 2,4-Dimethylphenol	7.76	122	493189	41.093	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	692625	41.612	ng	99
29) 2,4-Dichlorophenol	7.97	162	458752	41.967	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	485598	42.180	ng	100
31) Naphthalene	8.13	128	1556032	41.104	ng	100
32) Benzoic acid	7.91	122	364290	41.740	ng	98
33) 4-Chloroaniline	8.17	127	350486	21.358	ng	98
34) Hexachlorobutadiene	8.25	225	286457	42.391	ng	100
35) Caprolactam	8.56	113	153501m	42.168	ng	
36) 4-Chloro-3-methylphenol	8.67	107	495162	42.050	ng	98
37) 2-Methylnaphthalene	8.82	142	1020882	41.150	ng	100
38) 1-Methylnaphthalene	8.92	142	946835	41.008	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	465471	40.438	ng	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	494667	75.252	nq	100
43) 2,4,6-Trichlorophenol	9.10	196	333930	42.561	nq	99
44) 2,4,5-Trichlorophenol	9.15	196	347961	41.952	nq	96
46) 1,1'-Biphenyl	9.28	154	1209568	41.001	nq	100
47) 2-Chloronaphthalene	9.31	162	947020	40.737	nq	99
48) 2-Nitroaniline	9.40	65	329937	45.671	nq	99
49) Acenaphthylene	9.72	152	1476235	41.329	nq	100
50) Dimethylphthalate	9.59	163	1336276	50.032	nq	98
51) 2,6-Dinitrotoluene	9.65	165	261959	46.055	nq #	87
52) Acenaphthene	9.90	154	1010593m	44.795	nq	
53) 3-Nitroaniline	9.82	138	171284	25.995	nq	94
54) 2,4-Dinitrophenol	9.92	184	249290	76.441	nq #	90
55) Dibenzofuran	10.07	168	1286034	40.478	nq	99
56) 4-Nitrophenol	9.99	139	420897	80.097	nq	96
57) 2,4-Dinitrotoluene	10.05	165	338057	47.242	nq	96
58) Fluorene	10.41	166	988999	40.706	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.19	232	291788	43.272	nq	99
60) Diethylphthalate	10.29	149	1117569	42.917	nq	100
61) 4-Chlorophenyl-phenylether	10.40	204	487246	41.864	nq	96
62) 4-Nitroaniline	10.43	138	241183	36.864	nq	100
63) Azobenzene	10.56	77	1127366	40.654	nq	97
65) 4,6-Dinitro-2-methylphenol	10.46	198	170264	41.852	nq	94
66) n-Nitrosodiphenylamine	10.52	169	952181	40.839	nq	99
67) 4-Bromophenyl-phenylether	10.89	248	327613	42.341	nq	94
68) Hexachlorobenzene	10.96	284	368591	42.211	nq	96
69) Atrazine	11.05	200	230304	39.758	nq	98
70) Pentachlorophenol	11.15	266	391879	81.717	nq	99
71) Phenanthrene	11.37	178	1514921	40.913	nq	100
72) Anthracene	11.42	178	1537079	40.226	nq	100
73) Carbazole	11.57	167	1375545	39.892	nq	99
74) Di-n-butylphthalate	11.90	149	1660193	41.716	nq	100
75) Fluoranthene	12.56	202	1601096	40.507	nq	98
77) Benzidine	12.67	184	525009	37.313	nq	100
78) Pyrene	12.79	202	1573821	50.753	nq	99
80) Butylbenzylphthalate	13.40	149	651128	51.919	nq	96
81) Benzo(a)anthracene	13.97	228	1154806	43.008	nq	99
82) 3,3'-Dichlorobenzidine	13.93	252	318354	30.370	nq	99
83) Chrysene	14.01	228	1163806	42.802	nq	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	829807	49.528	nq	99
85) Di-n-octyl phthalate	14.57	149	1339321	45.297	nq	99
87) Indeno(1,2,3-cd)pyrene	16.87	276	1236638	50.208	nq	99
88) Benzo(b)fluoranthene	15.02	252	1163299	46.010	nq	98
89) Benzo(k)fluoranthene	15.04	252	951179	41.082	nq #	97
90) Benzo(a)pyrene	15.37	252	960489	44.690	nq	100
91) Dibenzo(a,h)anthracene	16.89	278	992053	48.386	nq	98
92) Benzo(g,h,i)perylene	17.32	276	1063789	52.783	nq	97

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



#1

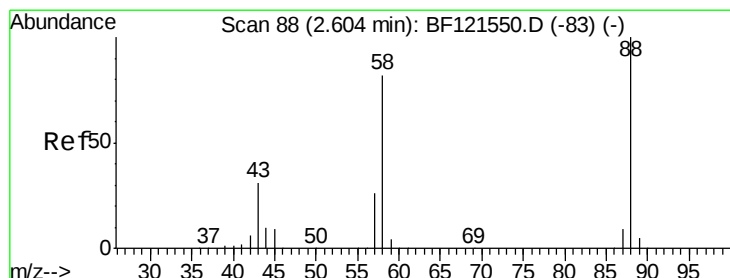
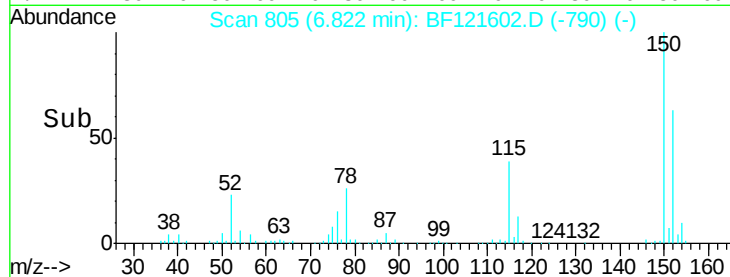
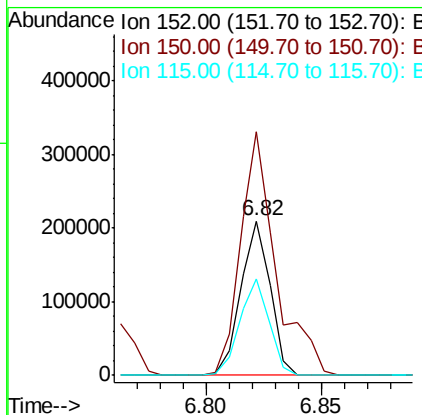
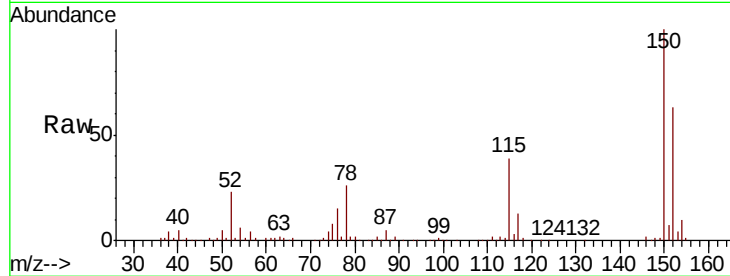
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.8	188.6
115	62.0	47.8	71.8

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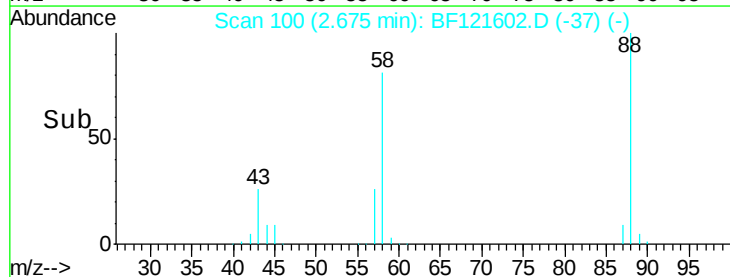
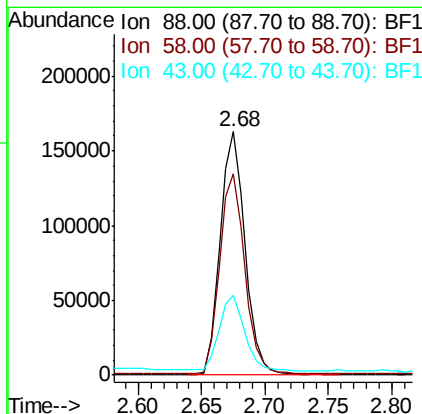
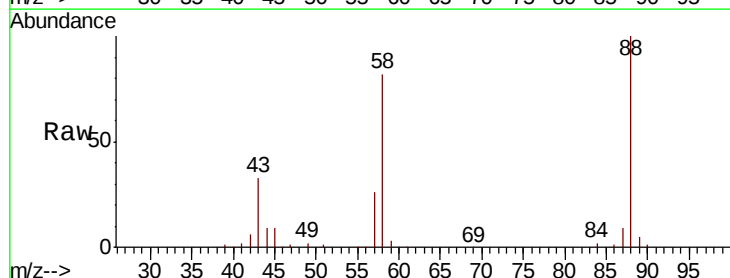
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#2

1,4-Dioxane
Concen: 38.533 ng
RT: 2.68 min Scan# 100
Delta R.T. 0.07 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.5	65.1	97.7
43	31.7	25.0	37.4





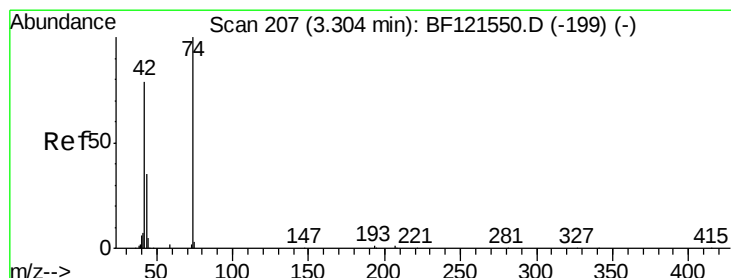
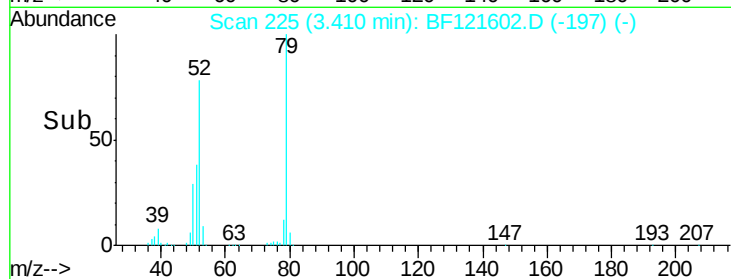
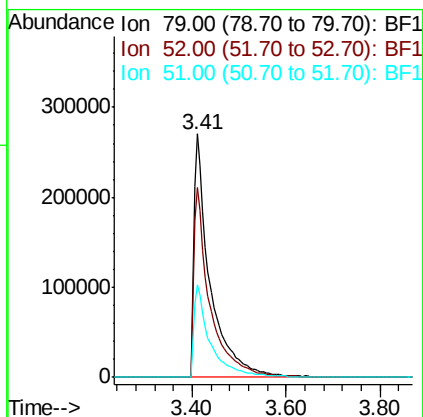
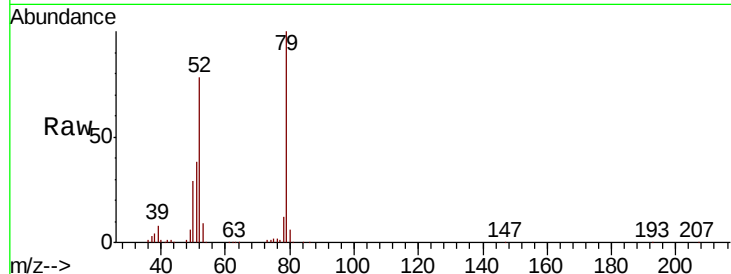
#3
 Pvridine
 Concen: 40.453 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.06 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
79	100		
52	77.7	62.2	93.2
51	38.0	30.6	45.8

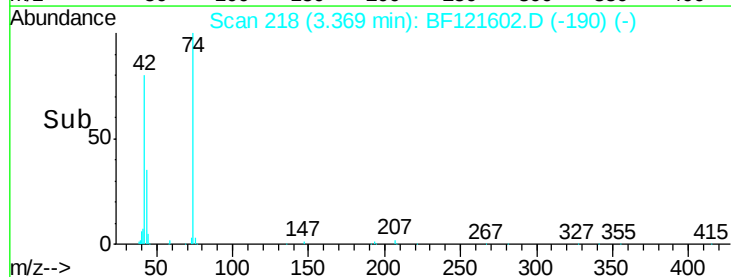
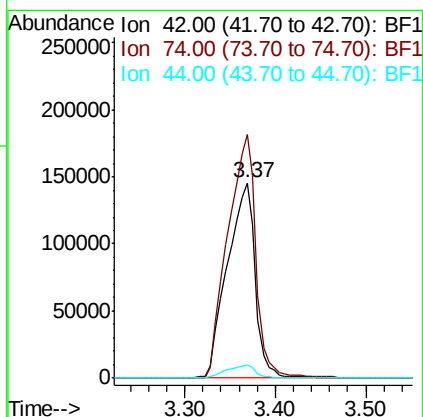
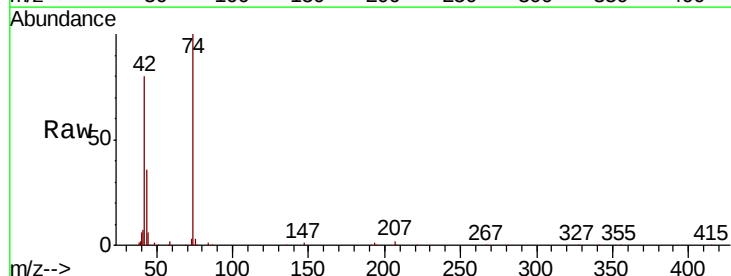
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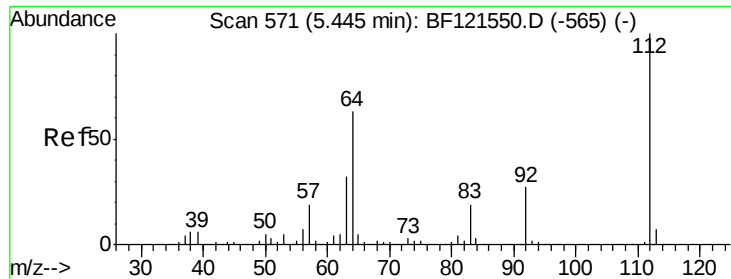
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#4
 n-Nitrosodimethylamine
 Concen: 42.267 ng
 RT: 3.37 min Scan# 218
 Delta R.T. 0.06 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
42	100		
74	124.7	101.7	152.5
44	7.0	5.4	8.2





#5

2-Fluorophenol

Concen: 103.704 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 112 Resp: 1302845

Ion Ratio Lower Upper

112 100

64 64.5 50.3 75.5

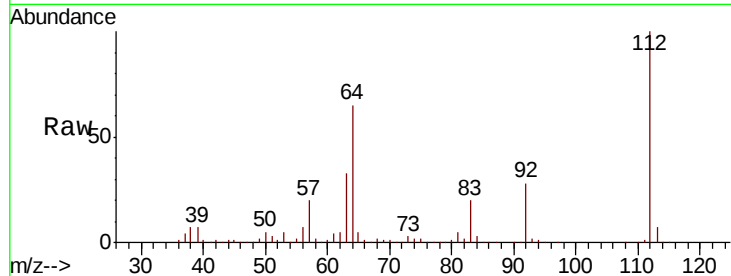
63 33.4 25.6 38.4

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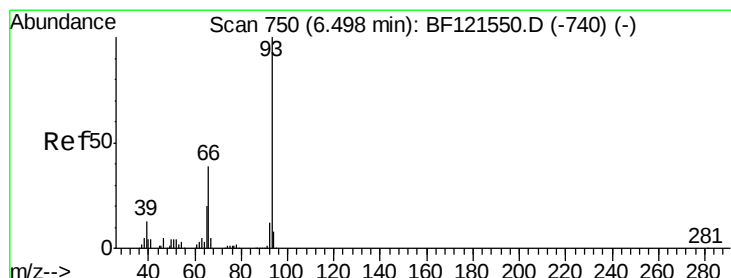
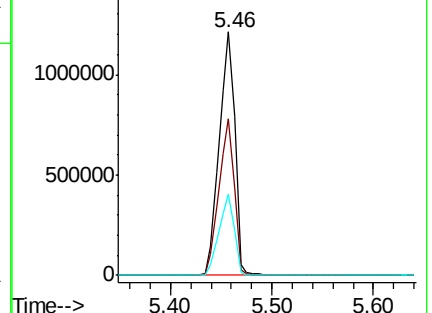
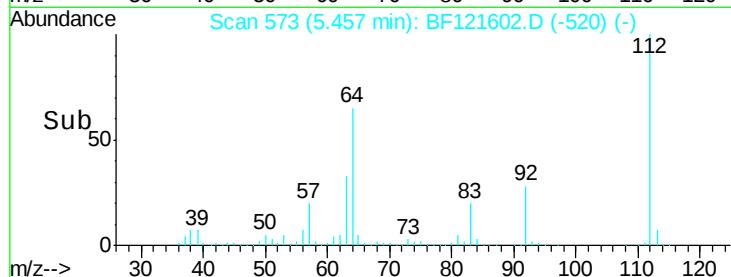
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.114 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

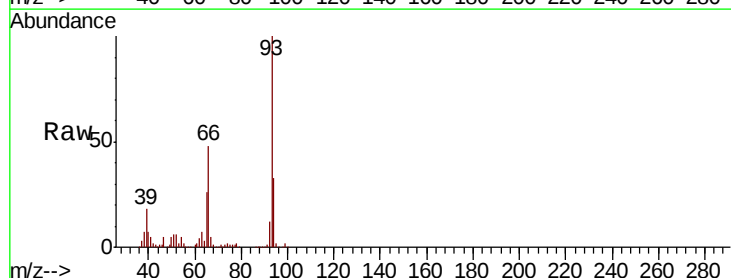
Tgt Ion: 93 Resp: 517636

Ion Ratio Lower Upper

93 100

66 48.0 31.8 47.8#

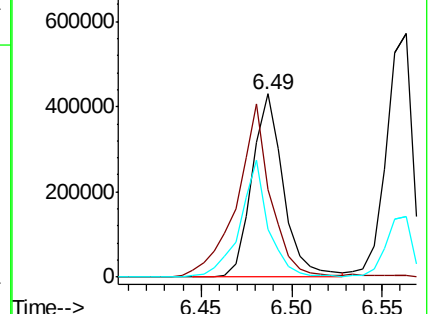
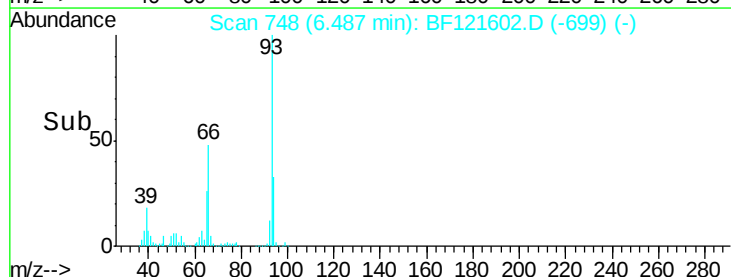
65 25.9 16.2 24.2#

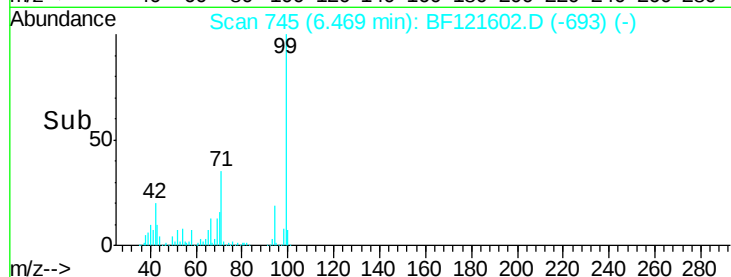
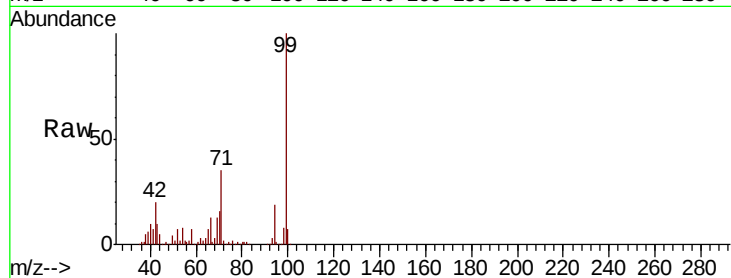
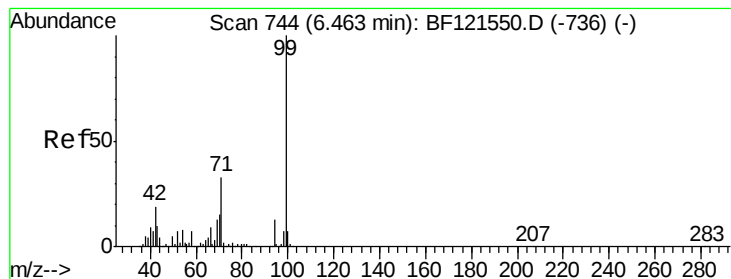


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 102.287 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tot Ion: 99 Resp: 1685898

Ion Ratio Lower Upper

99 100

42 20.0 15.5 23.3

71 34.9 26.1 39.1

Instrument :

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ClientSampleId :

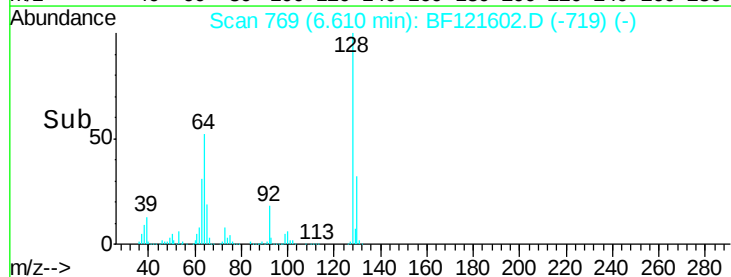
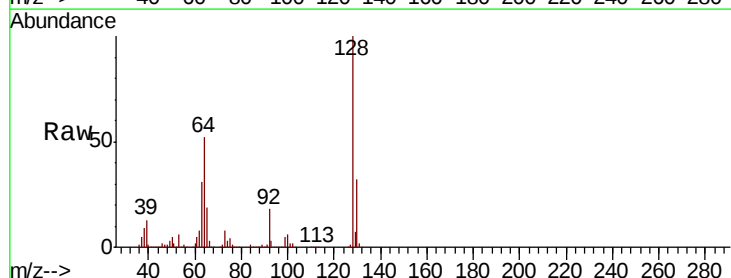
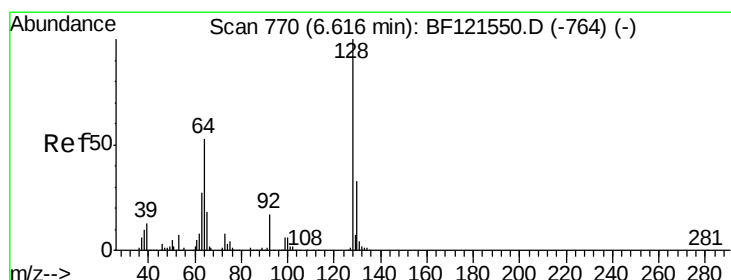
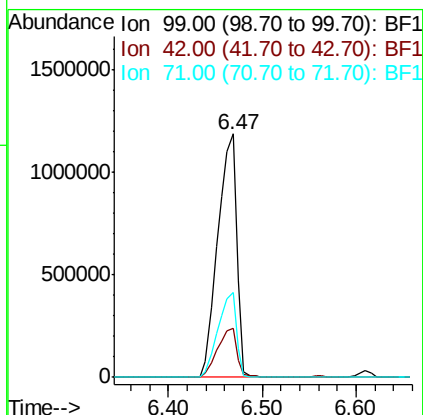
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#8

2-Chlorophenol

Concen: 43.826 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

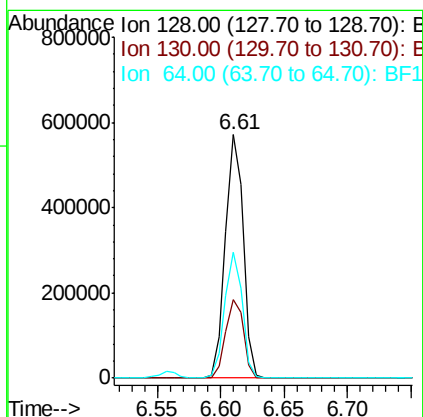
Tgt Ion:128 Resp: 560580

Ion Ratio Lower Upper

128 100

130 32.2 12.6 52.6

64 51.6 33.1 73.1





#9

Benzaldehyde

Concen: 22.880 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

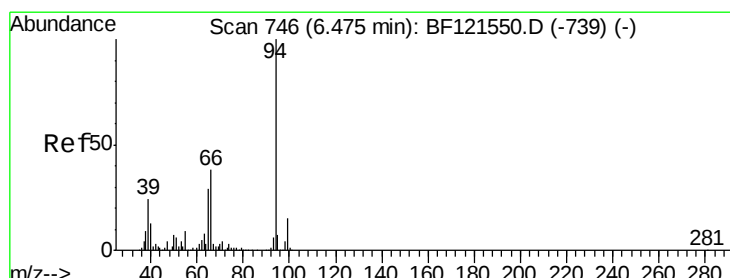
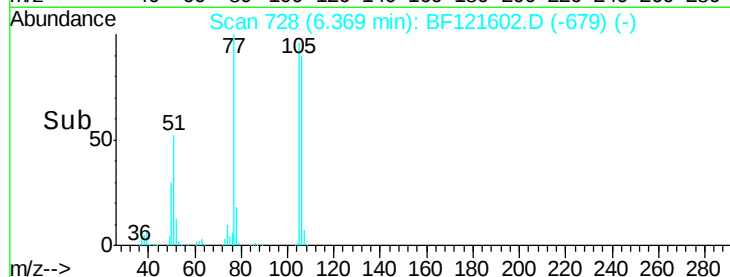
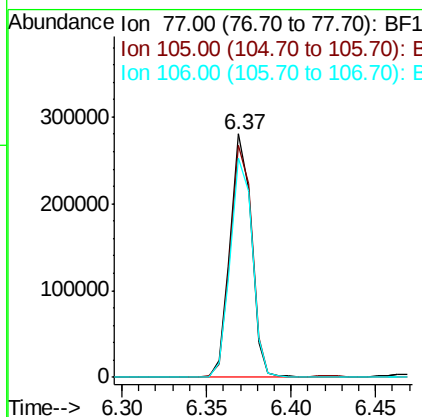
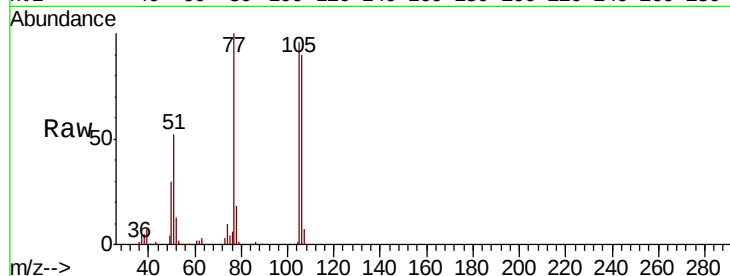
ClientSampleId :

SOIL-BORINGMS

Tot Ion:	77	Resp:	246531
Ion Ratio	Lower	Upper	
77	100		
105	95.5	76.4	116.4
106	90.1	73.5	113.5

Manual Integrations
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#10

Phenol

Concen: 39.189 ng

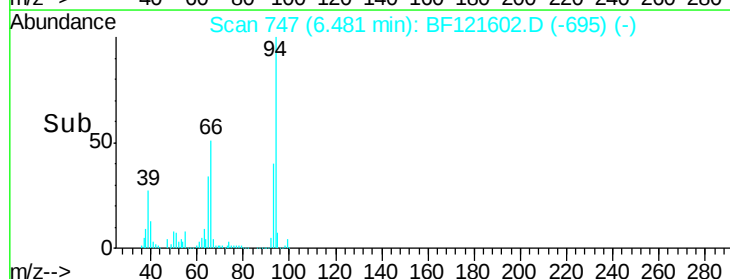
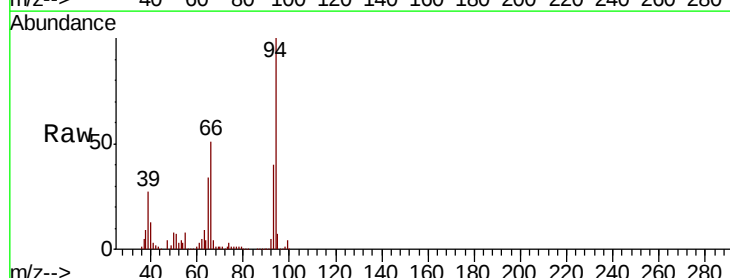
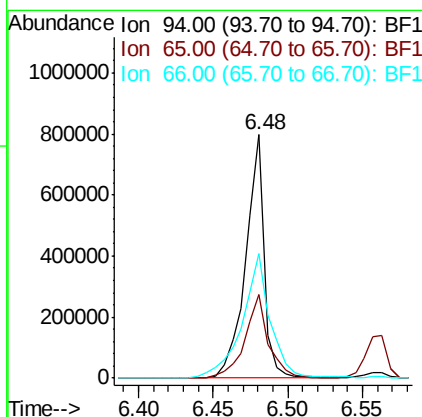
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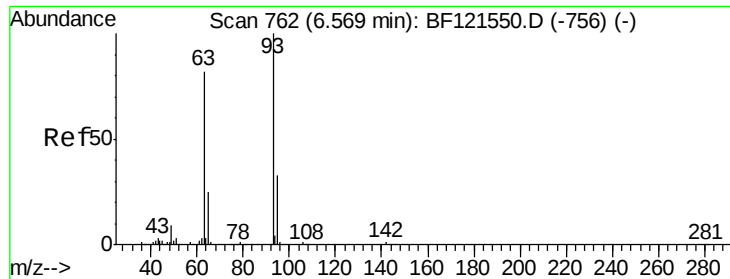
Delta R.T. 0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tgt Ion:	94	Resp:	687825
Ion Ratio	Lower	Upper	
94	100		
65	34.4	9.4	49.4
66	51.1	18.3	58.3





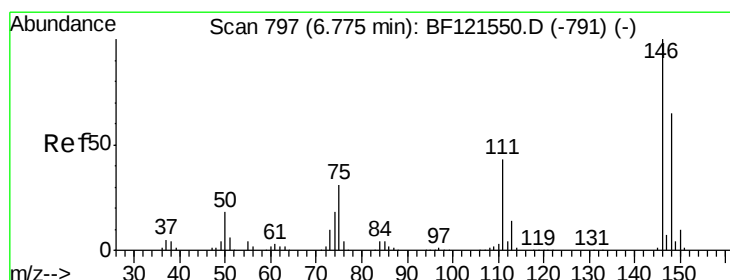
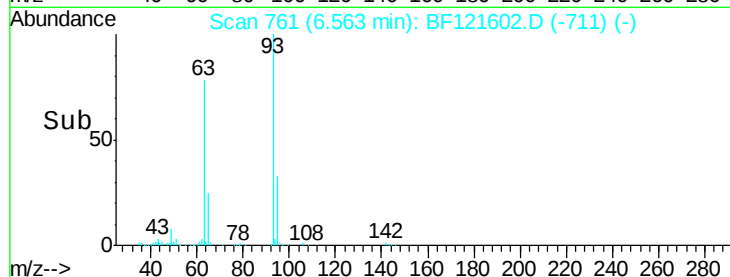
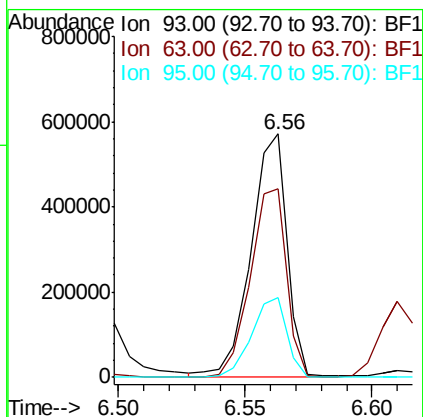
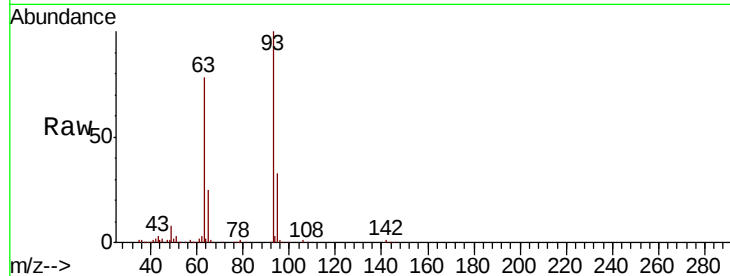
#11
bis(2-Chloroethyl)ether
Concen: 43.011 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion:	93	Resp:	568955
Ion	Ratio	Lower	Upper
93	100		
63	77.7	61.7	101.7
95	32.7	12.7	52.7

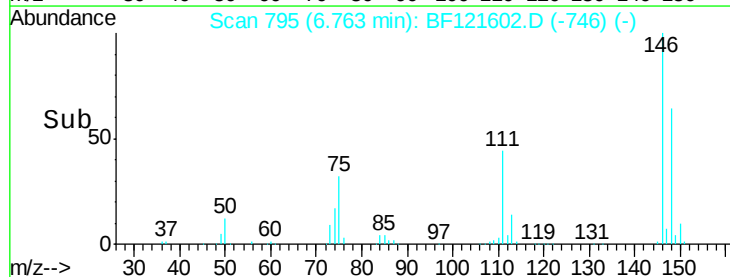
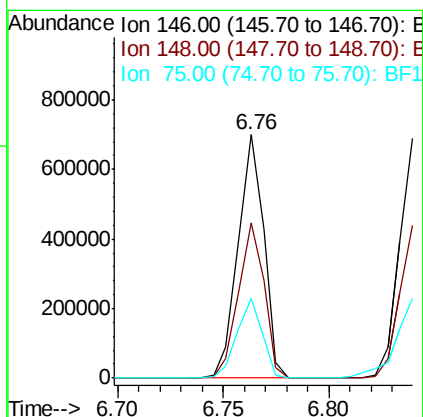
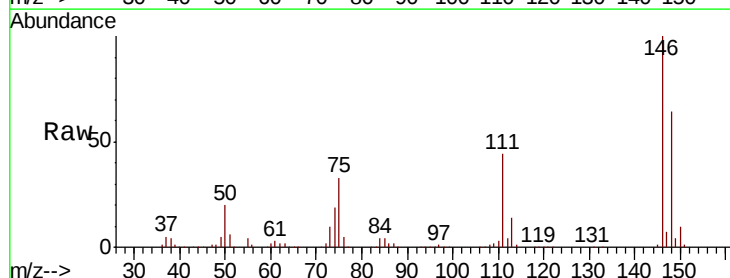
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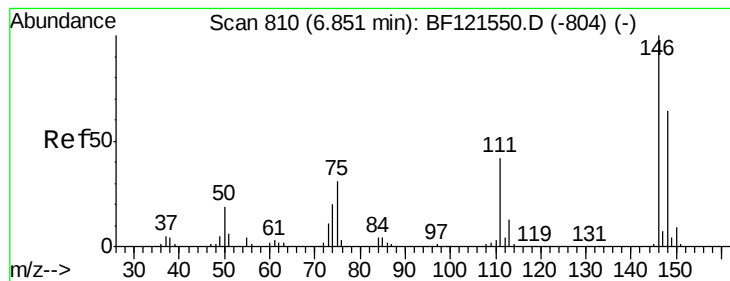
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.227 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:	146	Resp:	588589
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
75	32.9	24.6	36.8





#13

1,4-Dichlorobenzene

Concen: 41.446 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

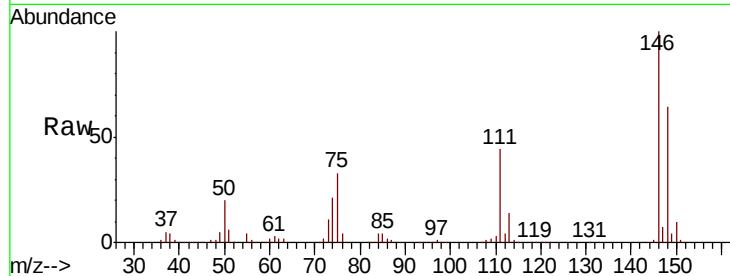
ClientSampleId :

SOIL-BORINGMS

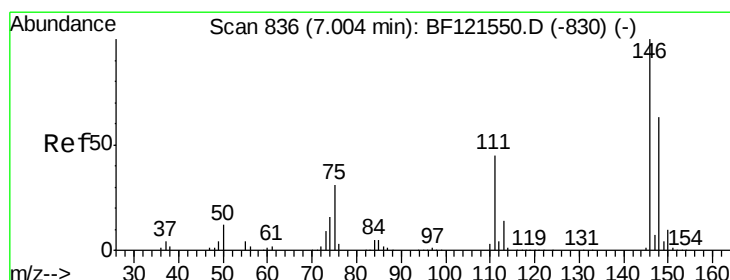
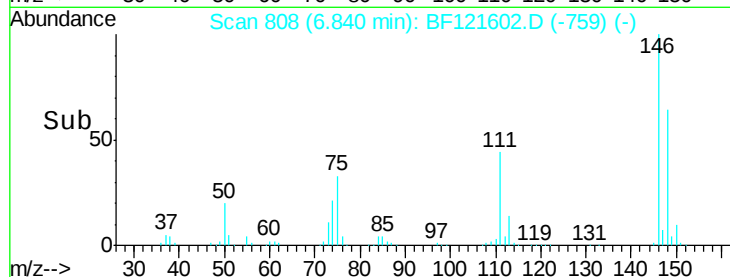
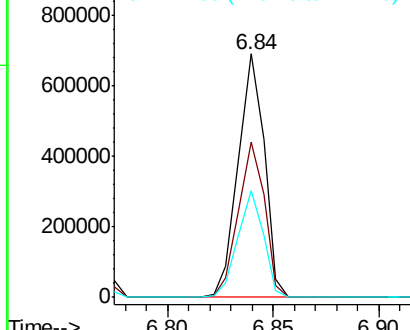
Tot Ion:	146	Resp:	594142
Ion Ratio	Lower	Upper	
146	100		
148	63.5	51.2	76.8
111	43.7	33.4	50.0

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.217 ng

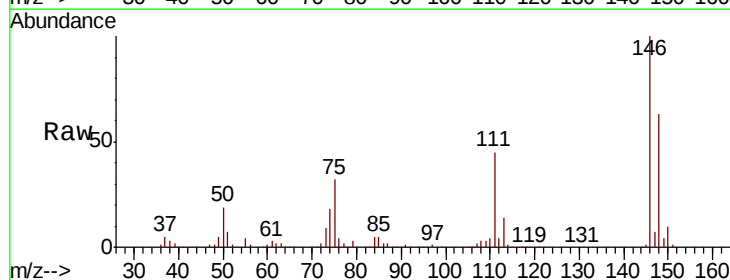
RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

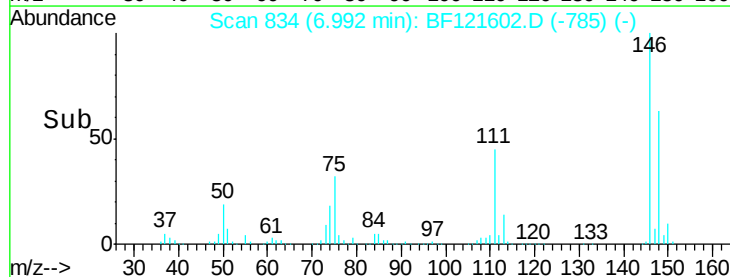
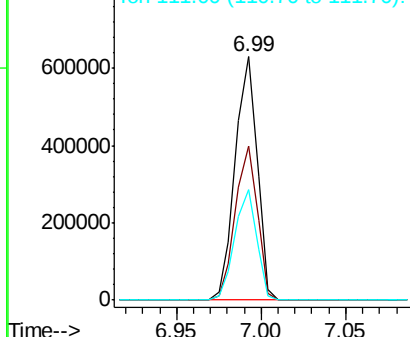
Lab File: BF121602.D

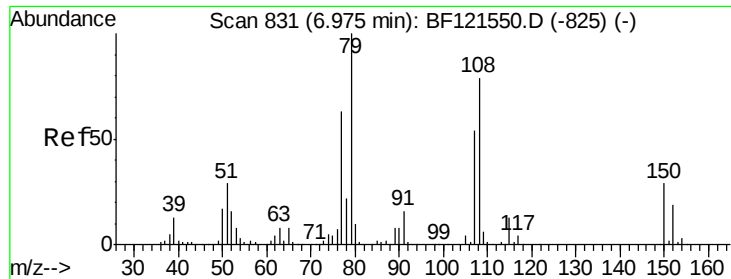
Acq: 17 Sep 2020 17:53

Tgt Ion:	146	Resp:	570722
Ion Ratio	Lower	Upper	
146	100		
148	63.5	50.7	76.1
111	45.1	35.8	53.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





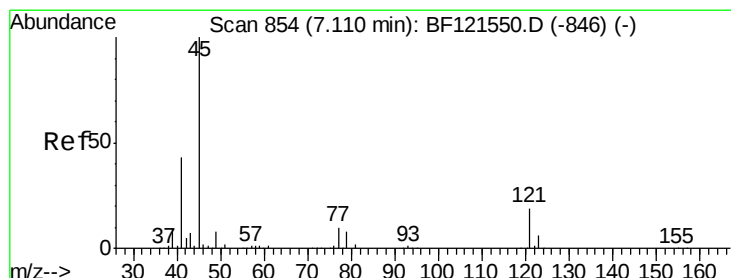
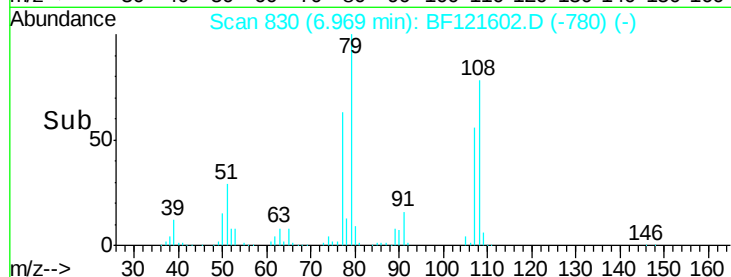
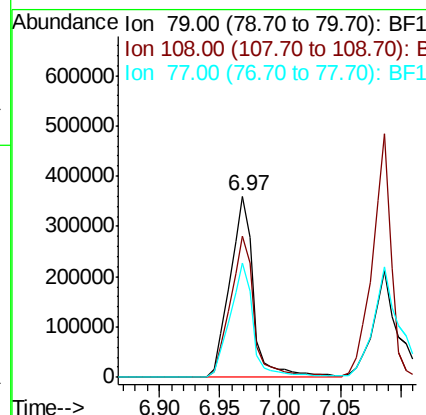
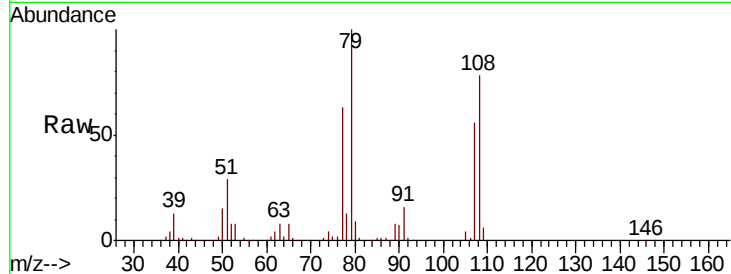
#15
Benzyl Alcohol
Concen: 43.979 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.8	63.1	94.7
77	62.9	50.2	75.2

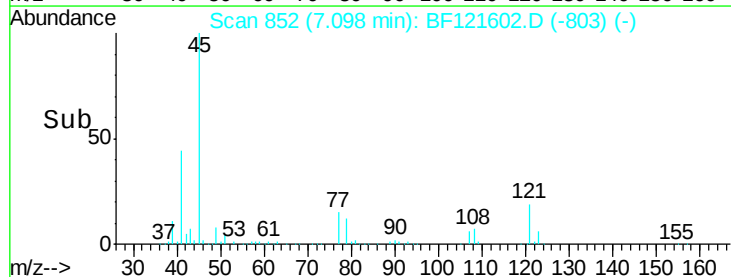
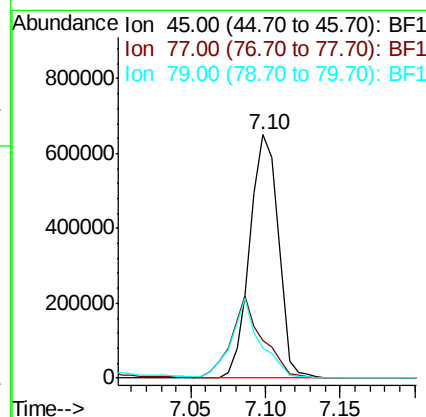
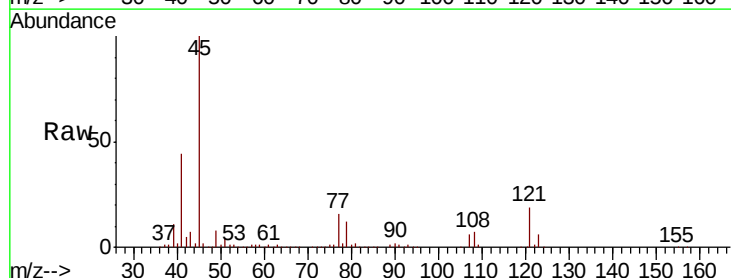
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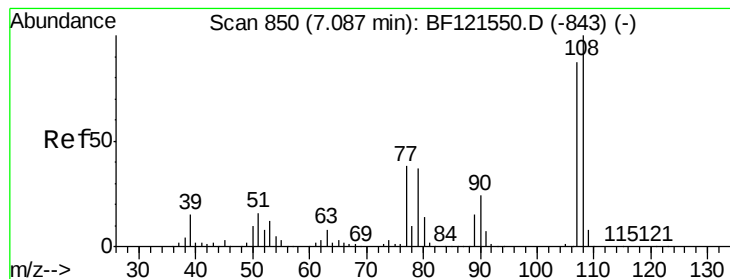
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#16
2,2'-oxybis(1-chloropropane)
Concen: 40.360 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	32.5
79	12.2	0.0	29.8





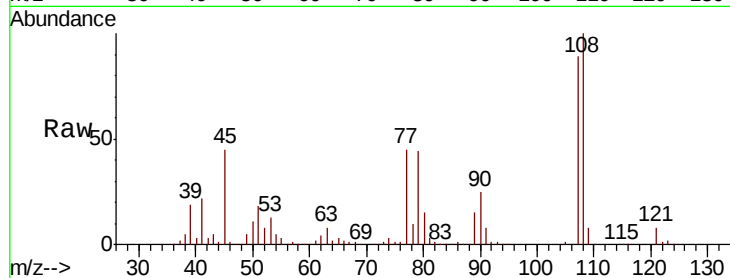
#17
2-Methylphenol
Concen: 42.361 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.9	92.1	138.1	
77	51.0	35.5	53.3	
79	49.5	34.5	51.7	

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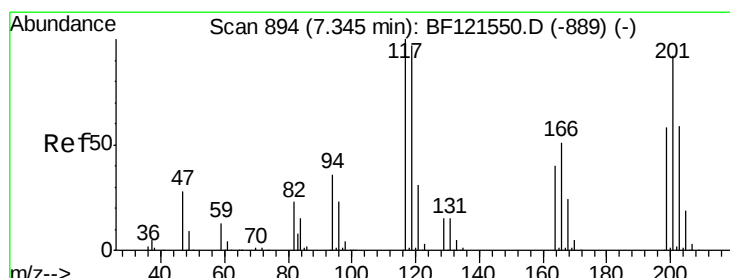
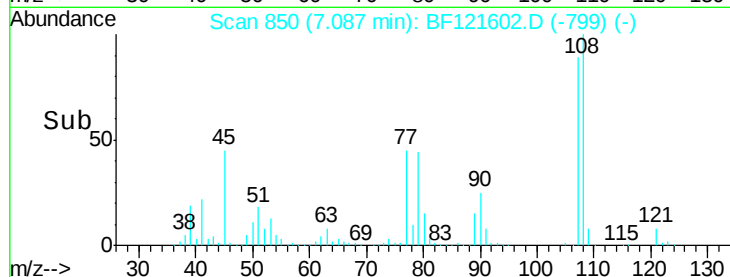
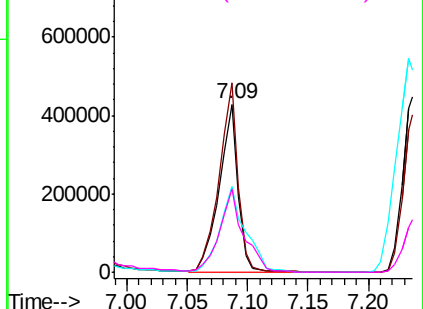
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

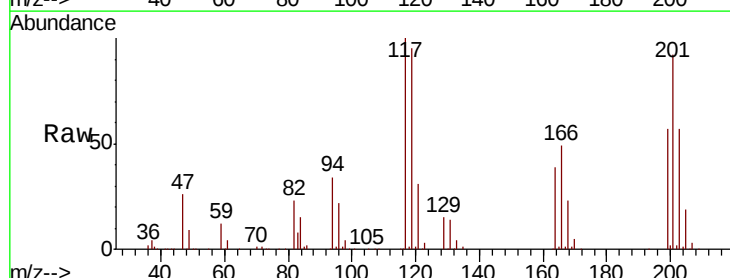
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 42.686 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.1	77.2	115.8	
201	92.3	73.7	110.5	

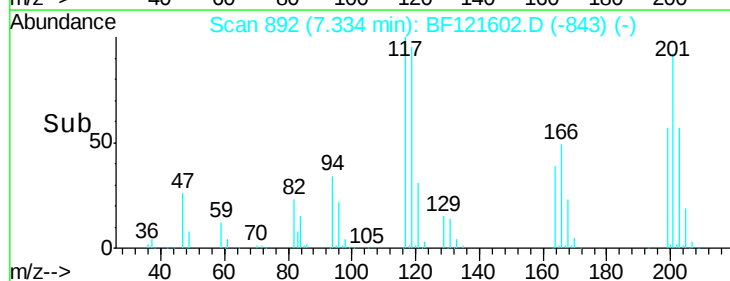
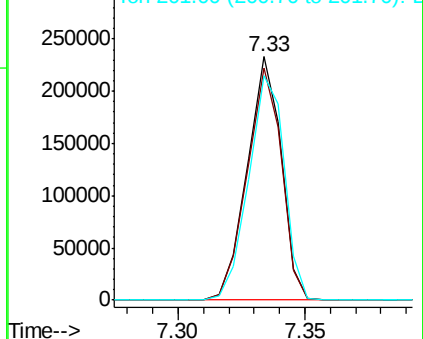


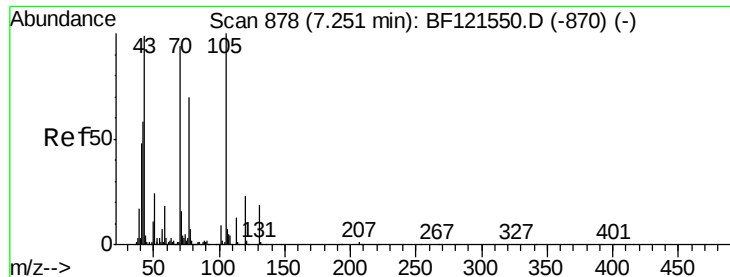
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





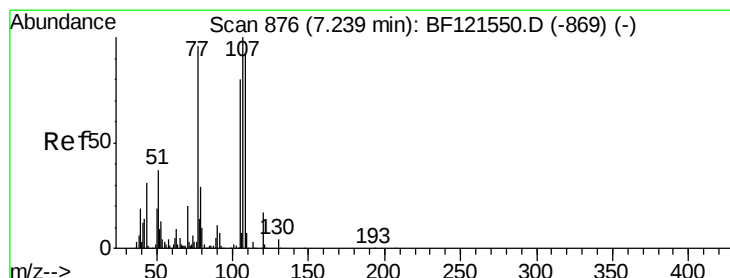
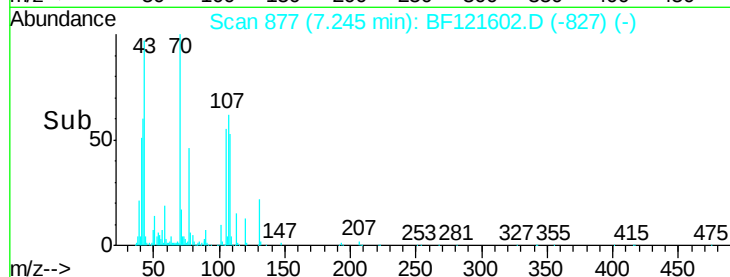
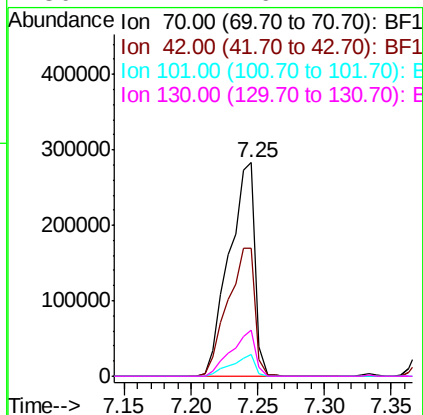
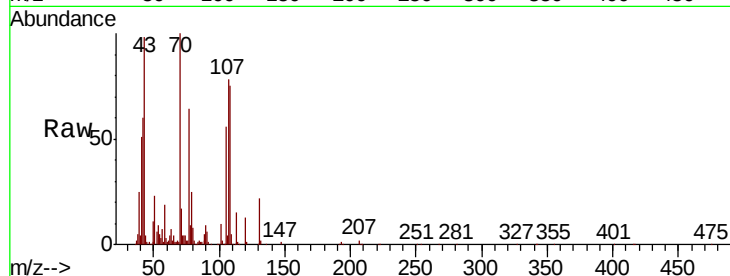
#19
n-Nitroso-di-n-propylamine
Concen: 40.852 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	59.9	49.4	74.2		
101	9.9	7.6	11.4		
130	21.7	16.2	24.4		

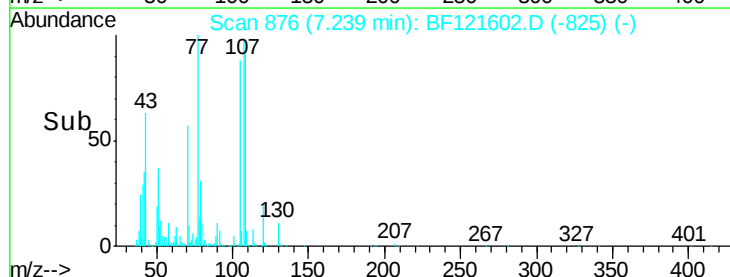
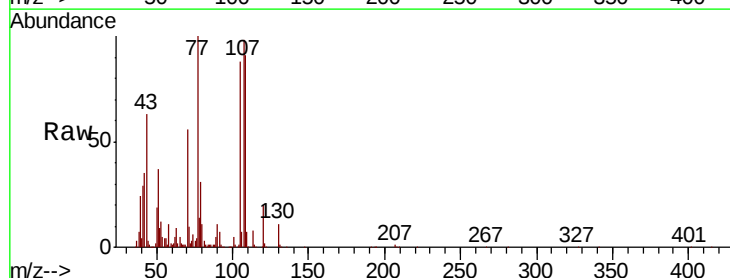
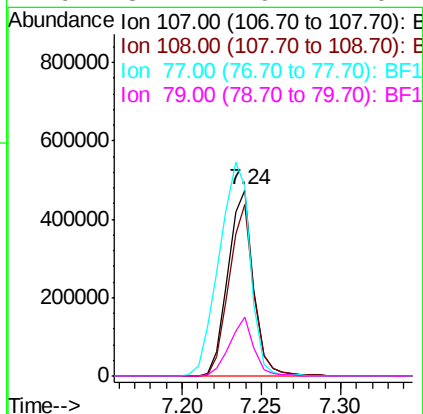
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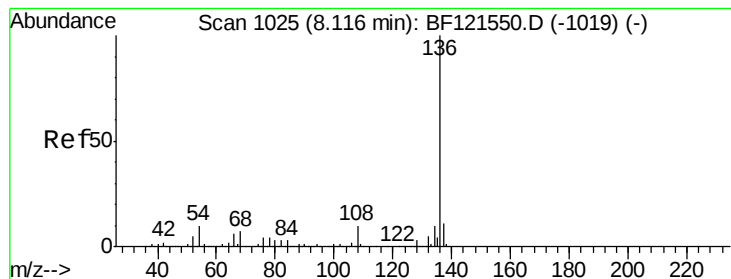
mohammad
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#20
3+4-Methylphenols
Concen: 40.435 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.4	71.8	111.8		
77	102.0	75.5	115.5		
79	31.7	9.2	49.2		





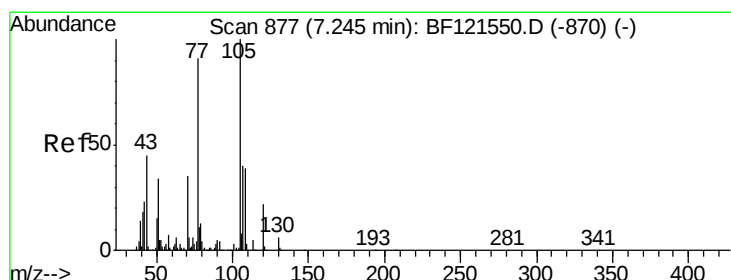
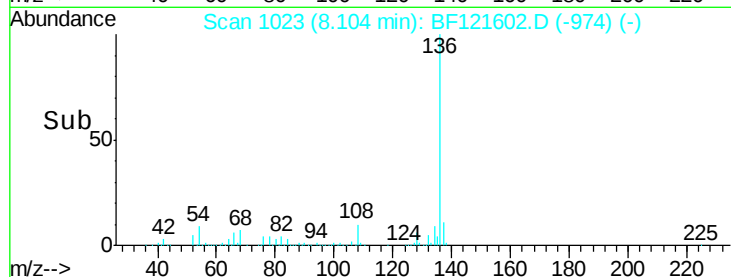
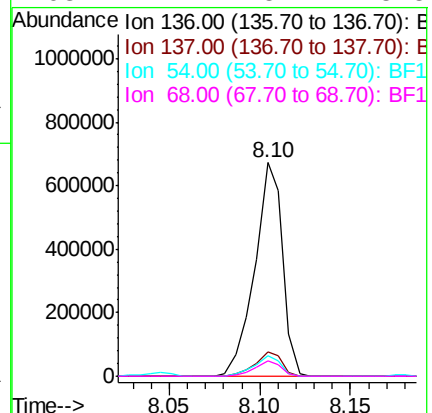
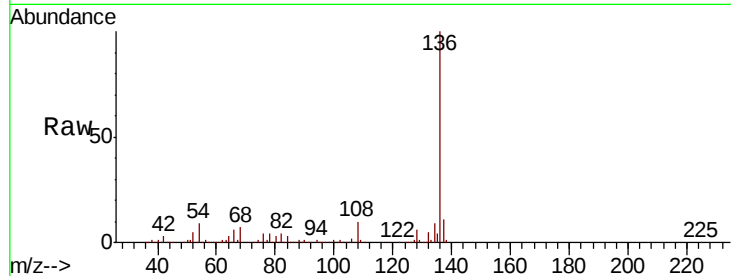
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		717130		
137	11.2		9.0	13.6	
54	9.5		7.6	11.4	
68	7.2		5.7	8.5	

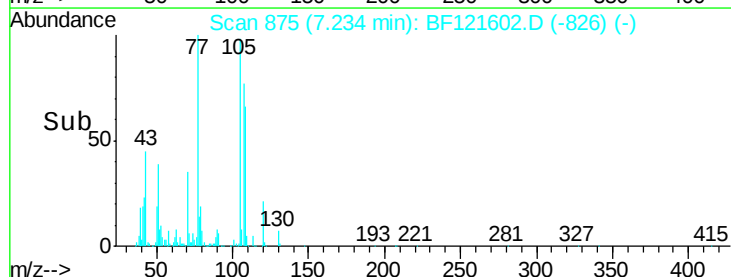
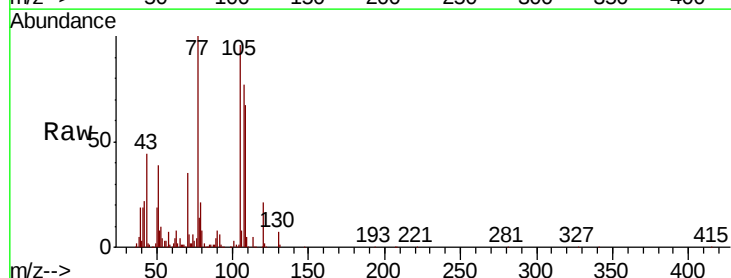
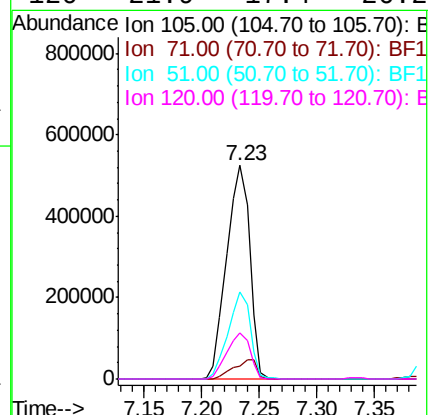
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#22
Acetophenone
Concen: 40.210 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		731608		
71	6.0		4.6	7.0	
51	40.8		27.6	41.4	
120	21.9		17.4	26.2	





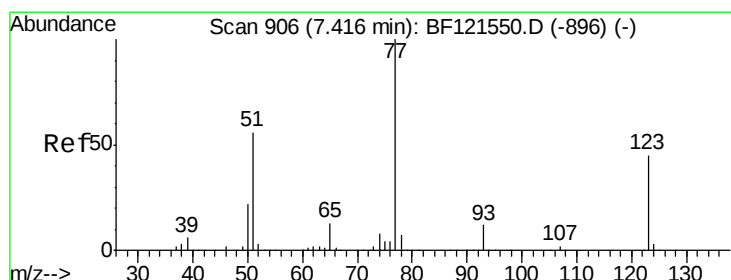
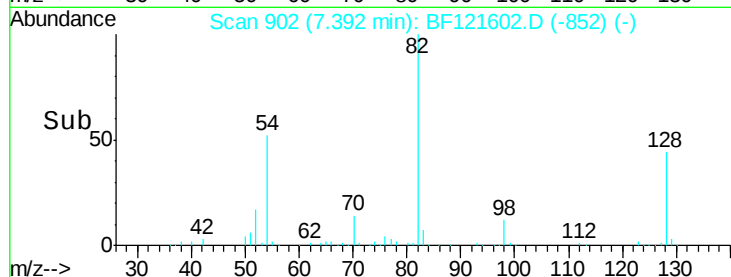
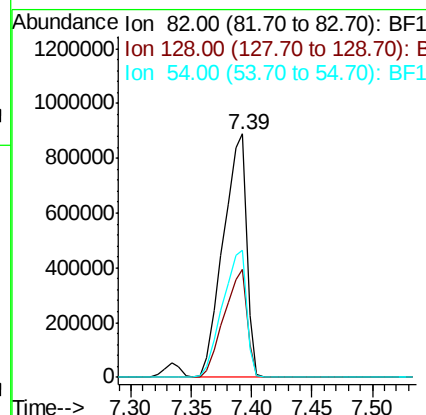
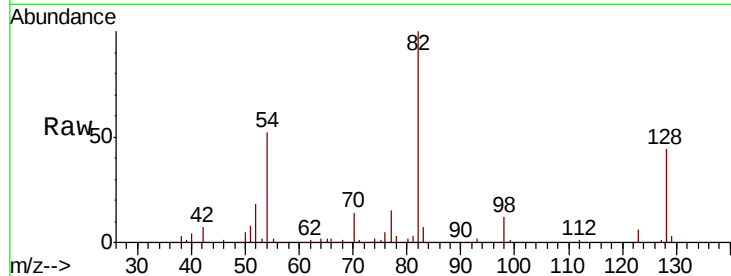
#23
 Nitrobenzene-d5
 Concen: 89.043 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.1	52.7
54	52.1	43.0	64.6

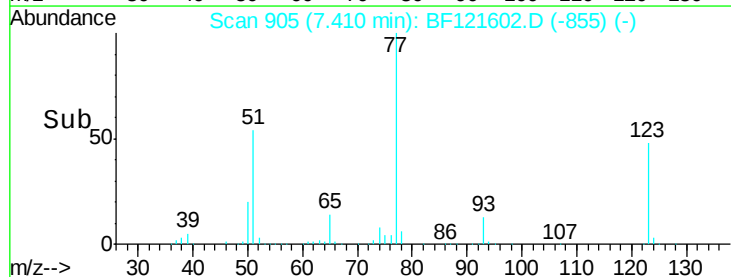
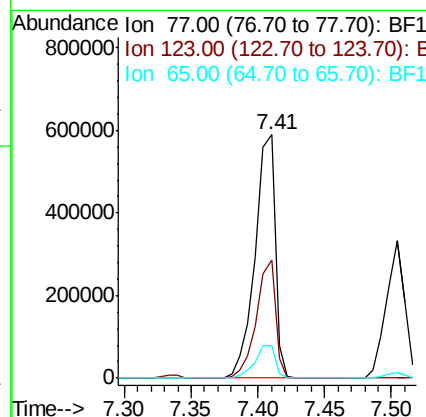
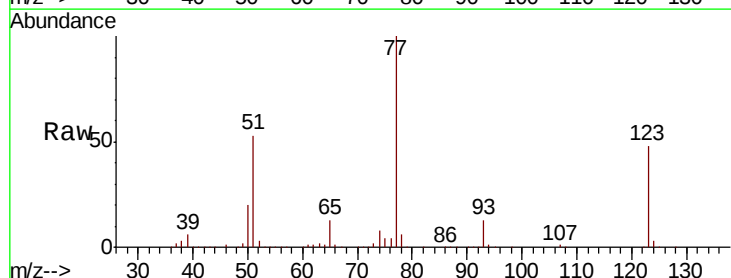
Manual Integrations
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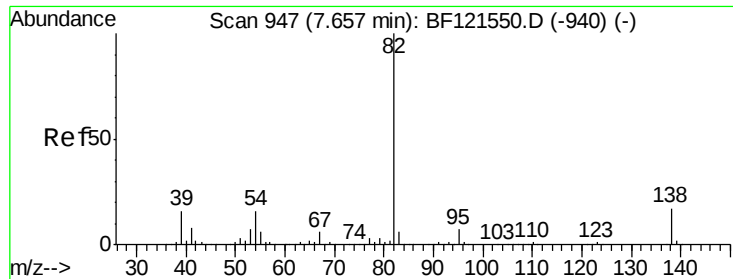
mohammad
 9/21/2020 10:32:20 AM



#24
 Nitrobenzene
 Concen: 42.069 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.3	35.8	53.8
65	13.5	10.7	16.1





#25

Isophorone

Concen: 40.529 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

Tot Ion: 82 Resp: 1089697

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

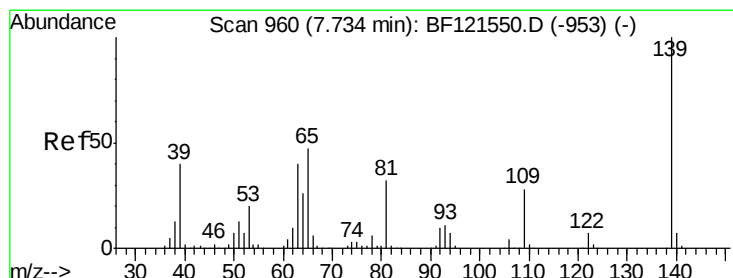
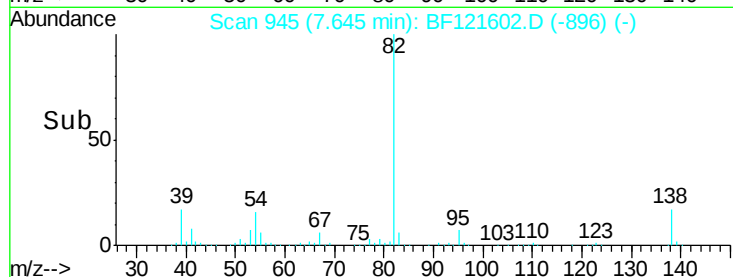
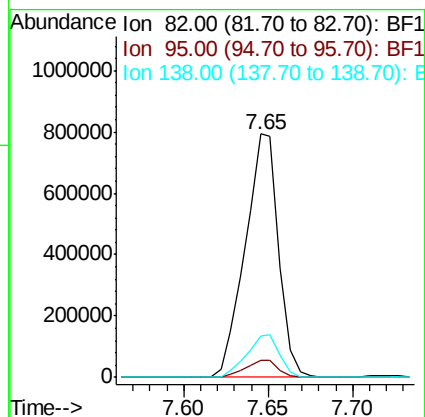
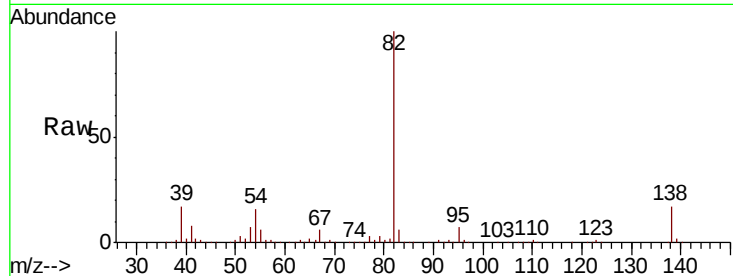
138 16.8 13.7 20.5

Manual Integrations

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#26

2-Nitrophenol

Concen: 43.404 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

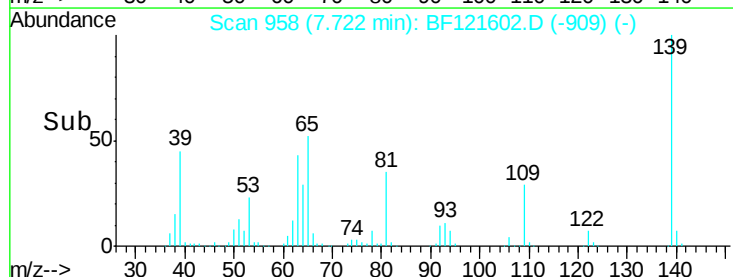
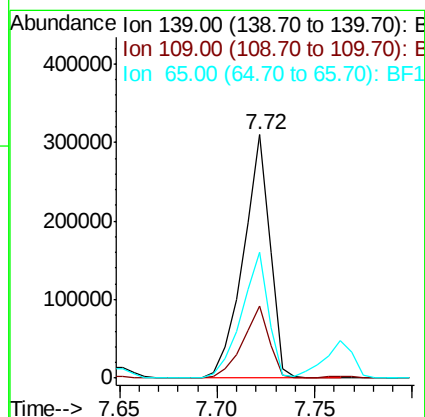
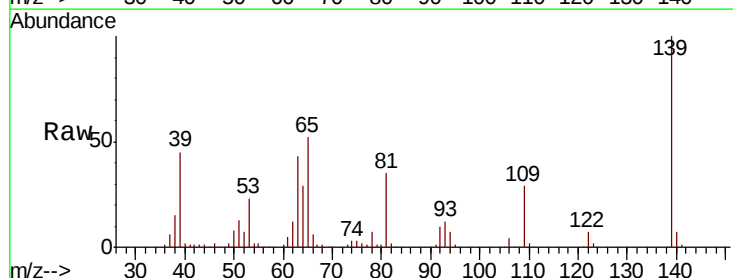
Tgt Ion: 139 Resp: 293417

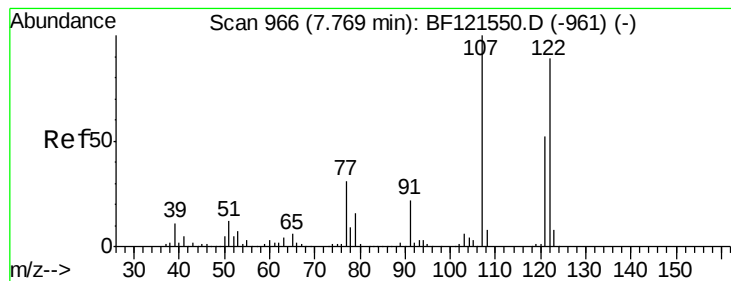
Ion Ratio Lower Upper

139 100

109 29.4 22.4 33.6

65 51.7 37.6 56.4





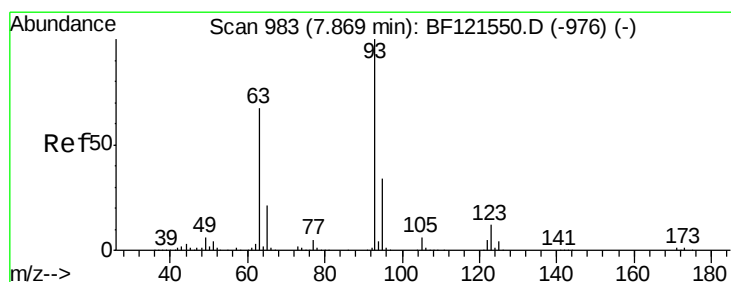
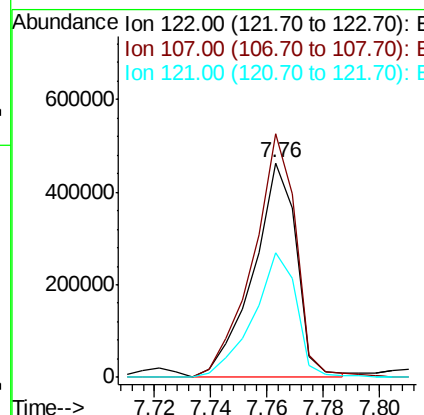
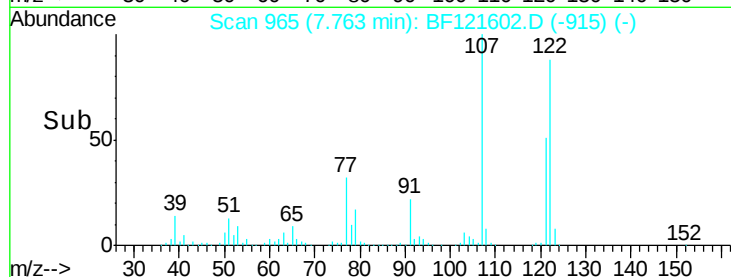
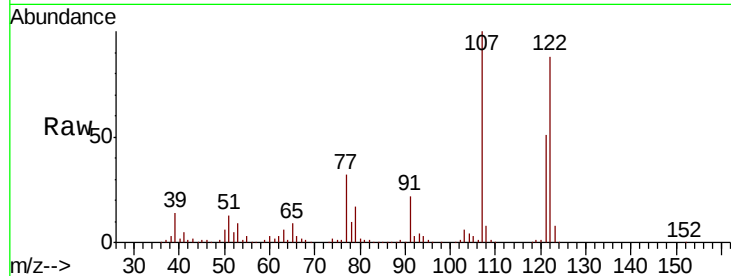
#27
2,4-Dimethylphenol
Concen: 41.093 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.6	89.5	134.3
121	57.9	46.6	70.0

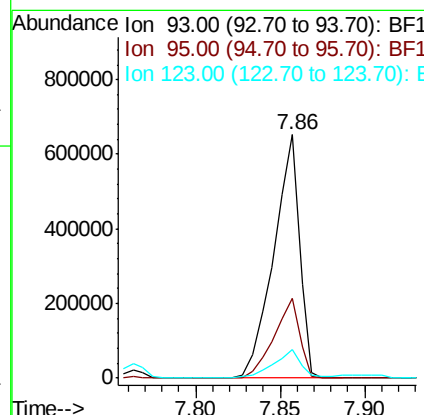
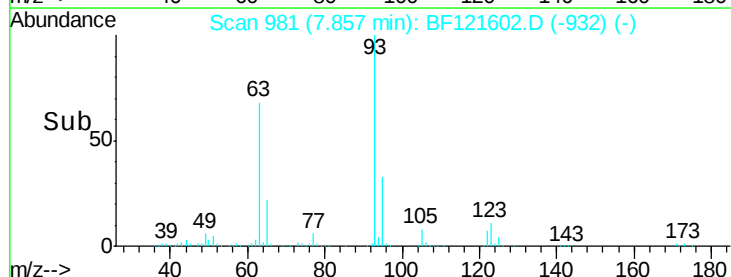
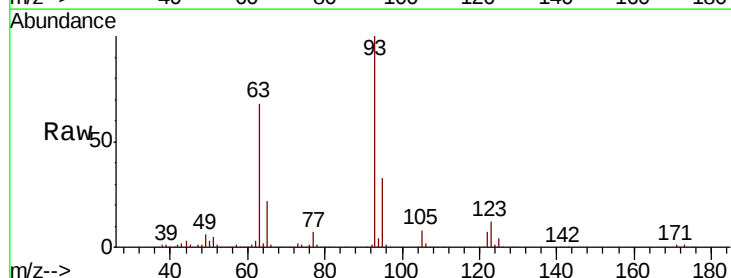
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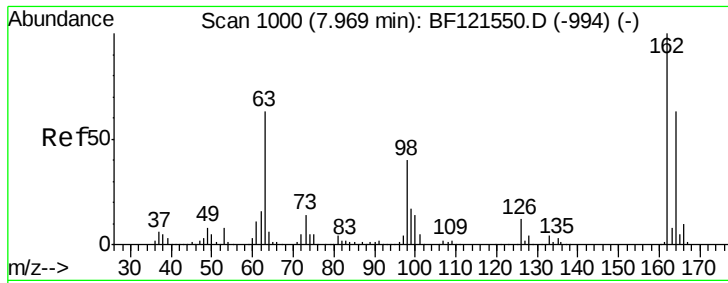
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 41.612 ng
RT: 7.86 min Scan# 981
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.8	40.2
123	11.5	9.7	14.5





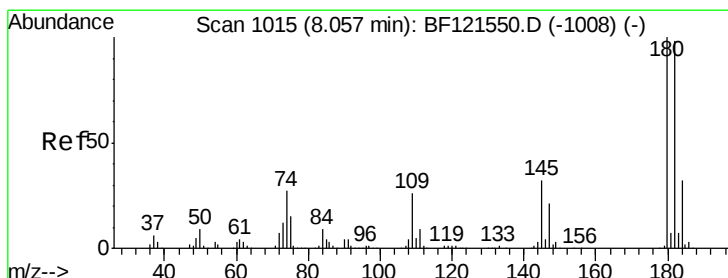
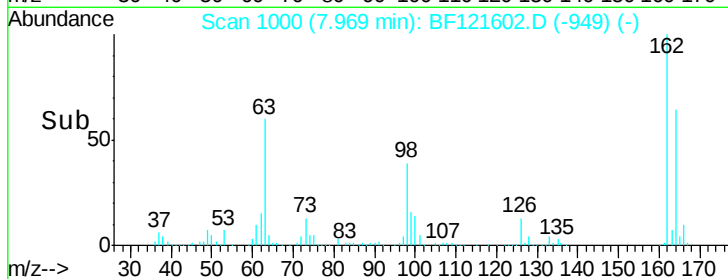
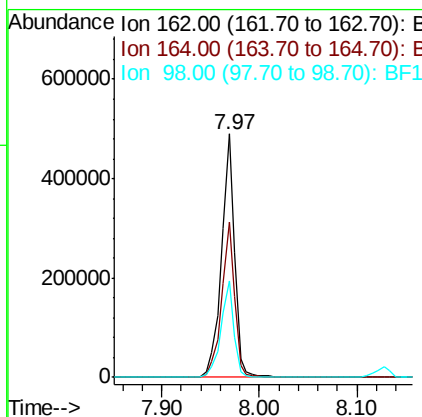
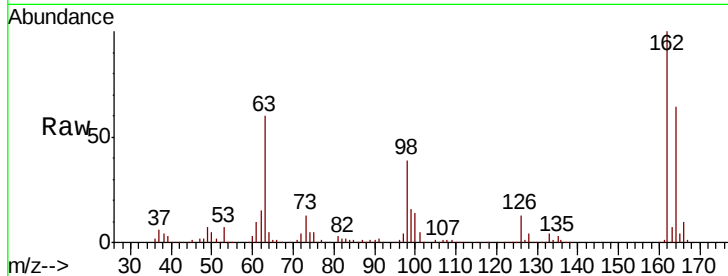
#29
2,4-Dichlorophenol
Concen: 41.967 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	458752		
164	63.8	43.5	83.5	
98	39.4	20.2	60.2	

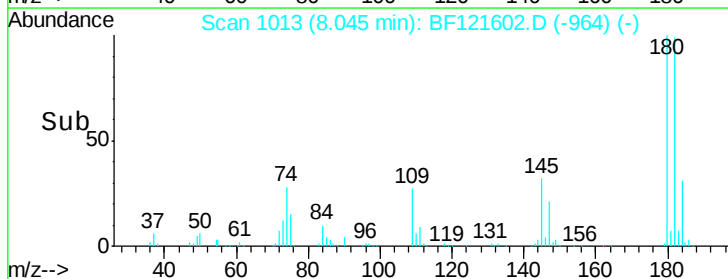
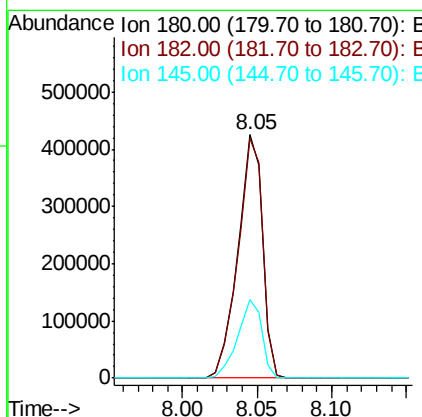
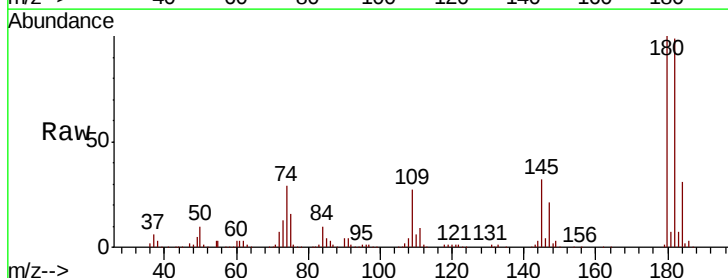
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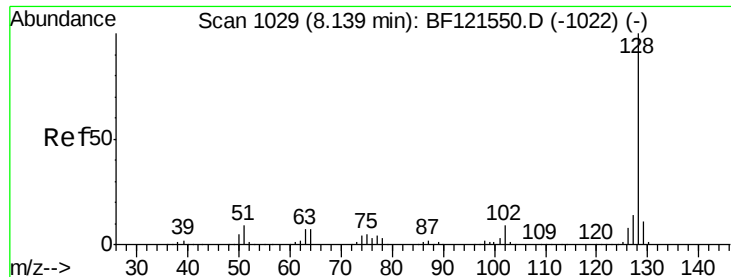
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#30
1,2,4-Trichlorobenzene
Concen: 42.180 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	485598		
182	98.5	78.7	118.1	
145	32.4	26.0	39.0	





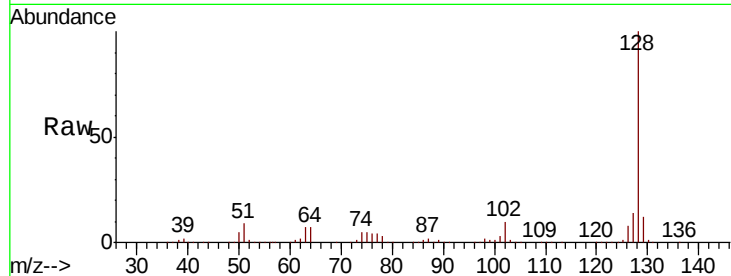
#31
Naphthalene
Concen: 41.104 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

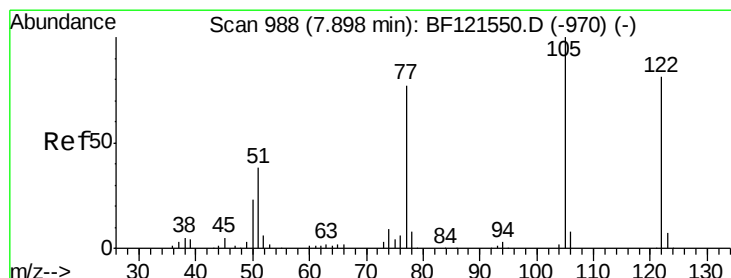
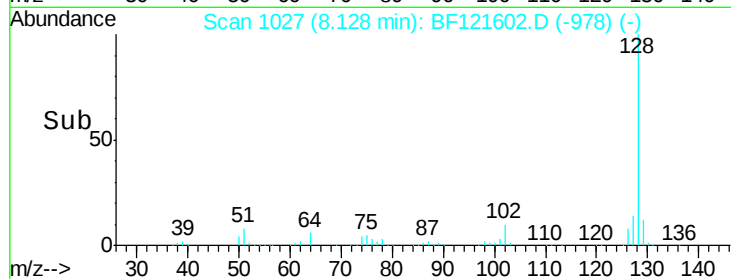
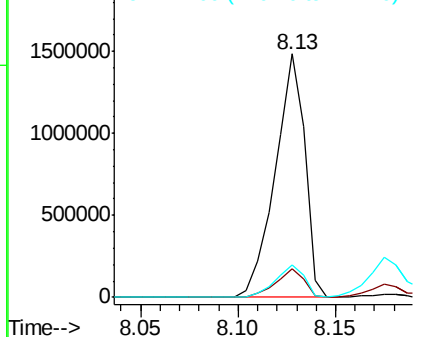
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.6	11.0	16.6

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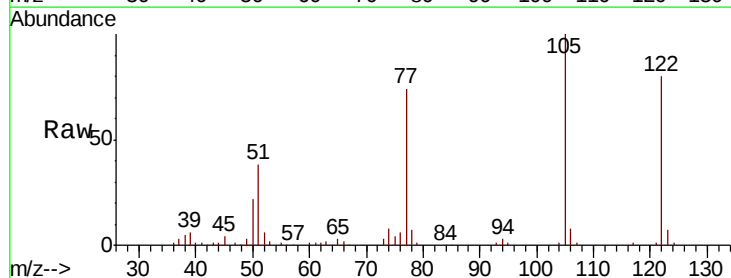


Abundance Ion 128.00 (127.70 to 128.70): E
2000000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

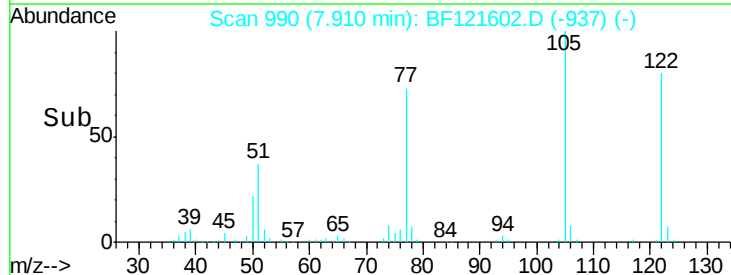
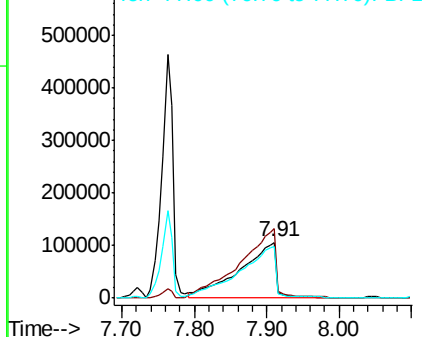


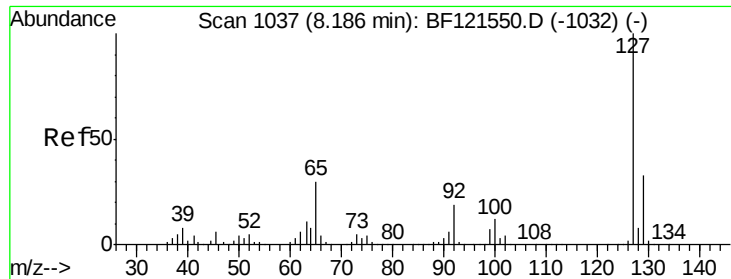
#32
Benzoic acid
Concen: 41.740 ng
RT: 7.91 min Scan# 990
Delta R.T. 0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.3	100.5	140.5
77	92.5	72.6	112.6



Abundance Ion 122.00 (121.70 to 122.70): E
600000 Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





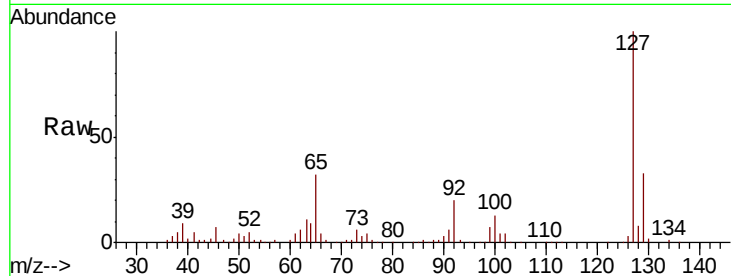
#33
4-Chloroaniline
Concen: 21.358 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

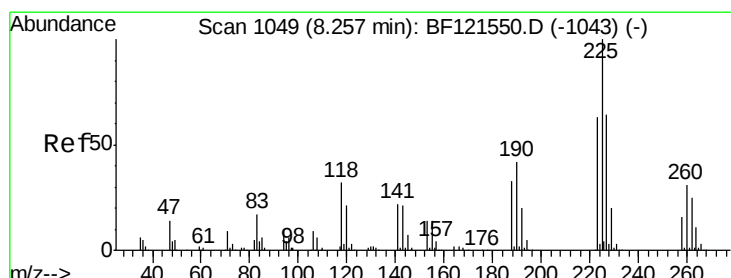
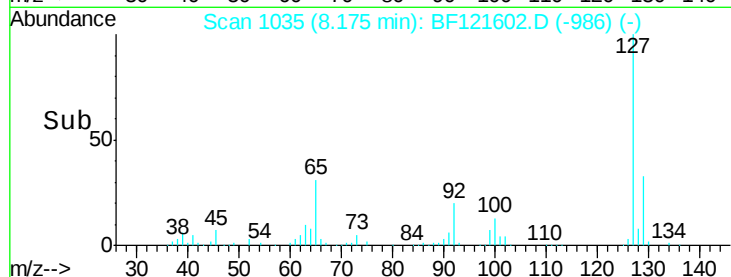
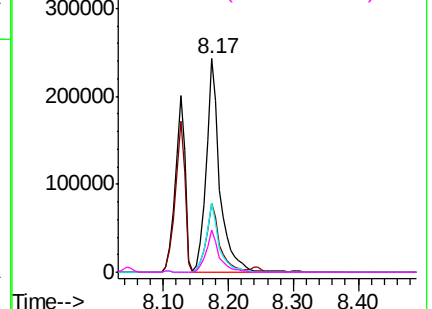
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.5	26.4	39.6		
65	32.5	24.4	36.6		
92	20.0	15.4	23.2		

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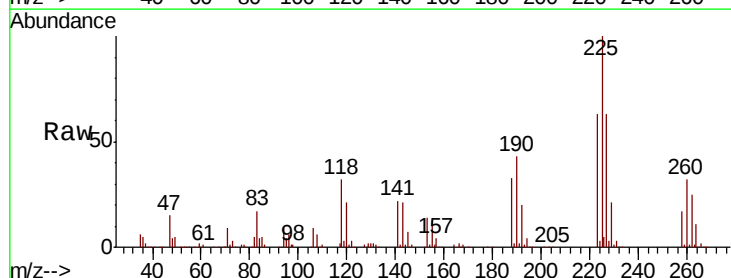


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

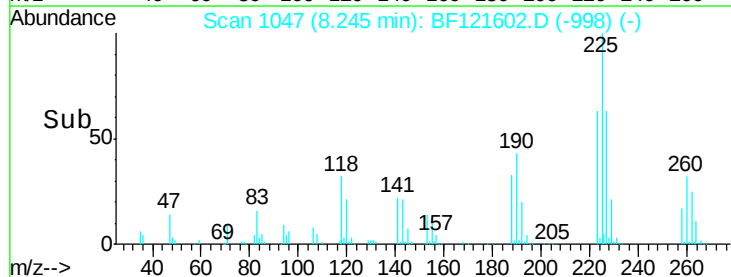
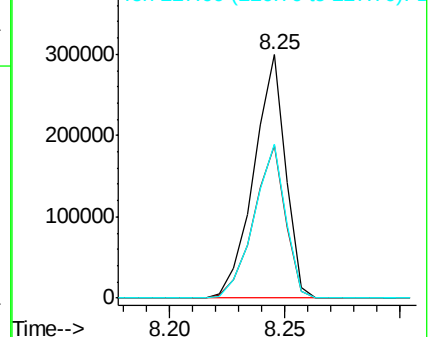


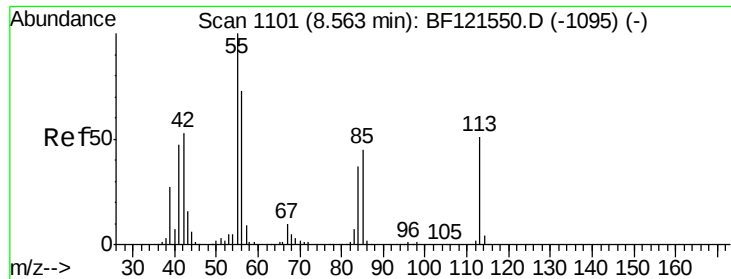
#34
Hexachlorobutadiene
Concen: 42.391 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	50.2	75.2		
227	63.3	51.0	76.4		



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





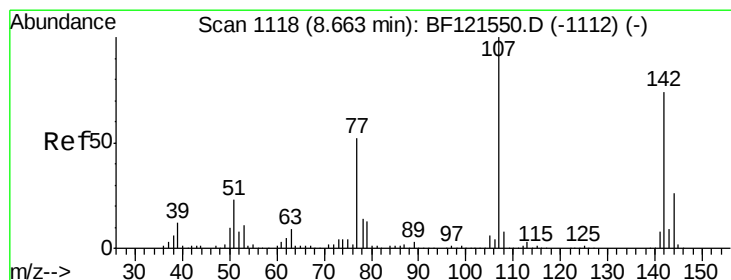
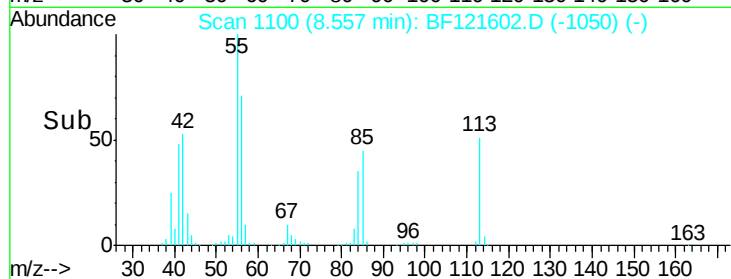
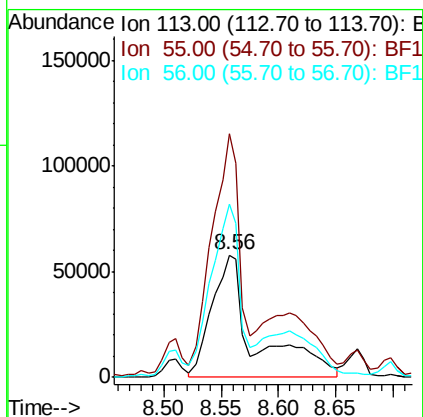
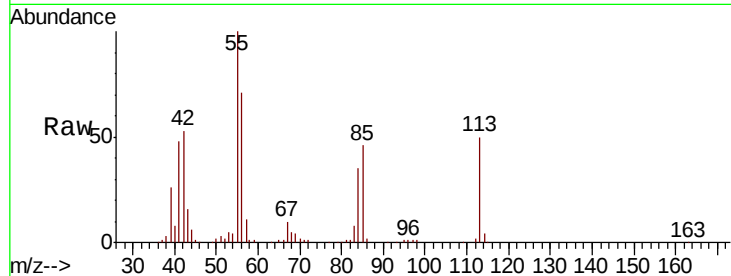
#35
 Caprolactam
 Concen: 42.168 ng/ml
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleID :
 SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
113	100		
55	198.9	176.2	216.2
56	141.8	123.9	163.9

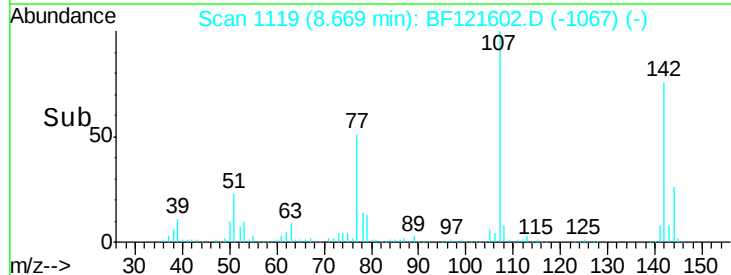
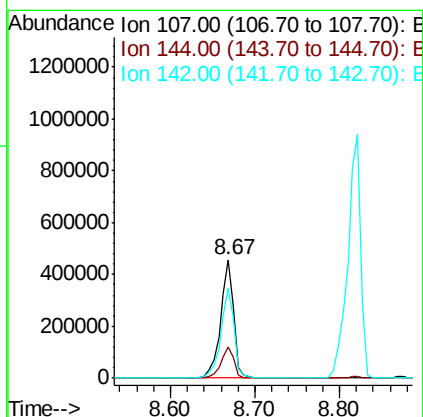
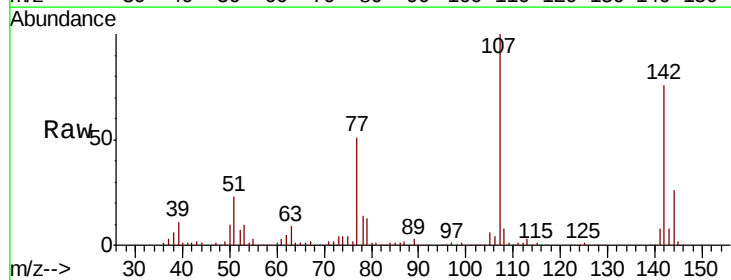
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#36
 4-Chloro-3-methylphenol
 Concen: 42.050 ng/ml
 RT: 8.67 min Scan# 1119
 Delta R.T. 0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	76.4	59.5	89.3





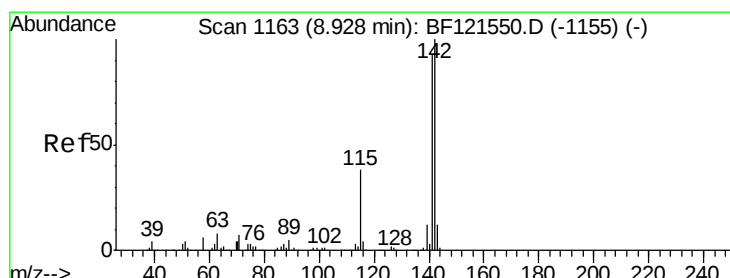
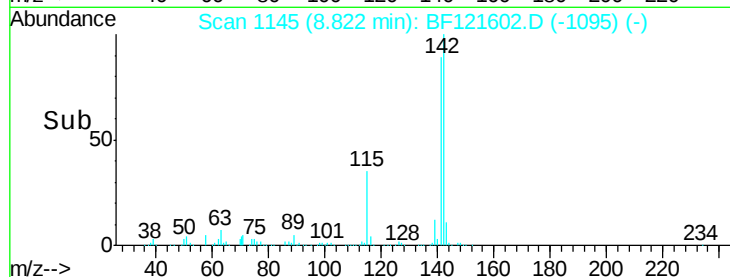
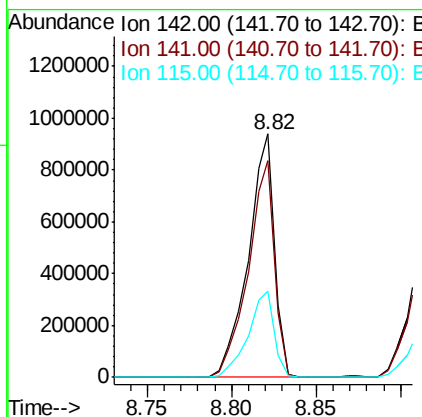
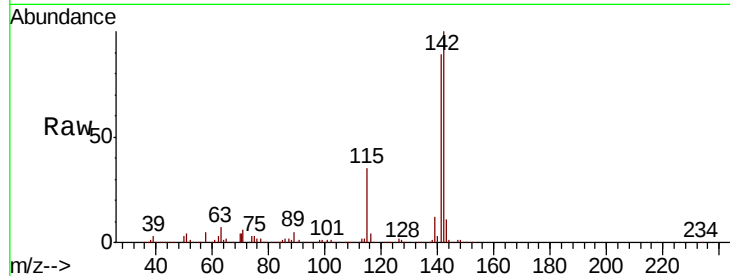
#37
2-Methylnaphthalene
Concen: 41.150 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.5	107.3
115	35.4	28.7	43.1

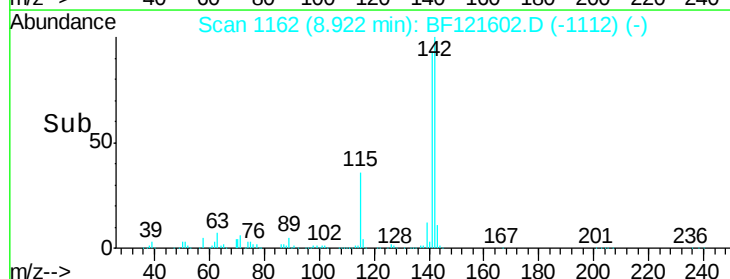
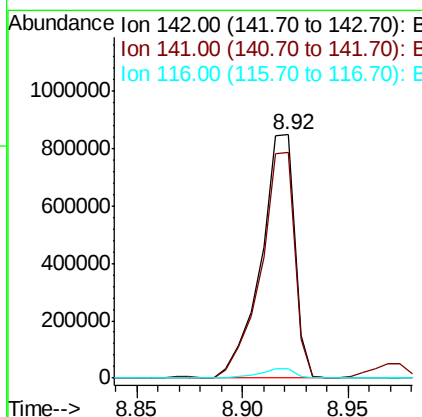
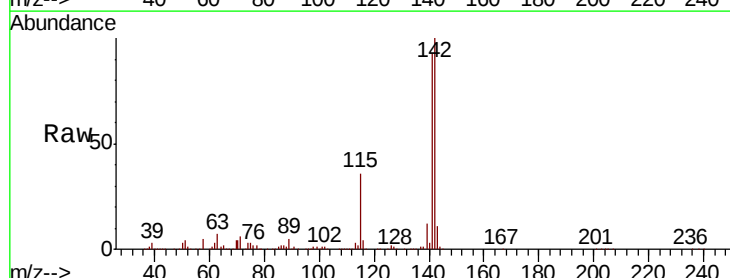
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#38
1-Methylnaphthalene
Concen: 41.008 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.8	112.2
116	3.7	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

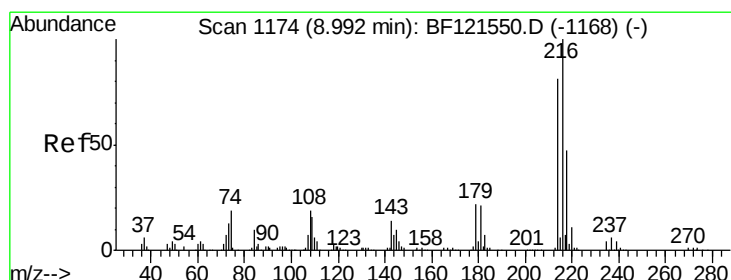
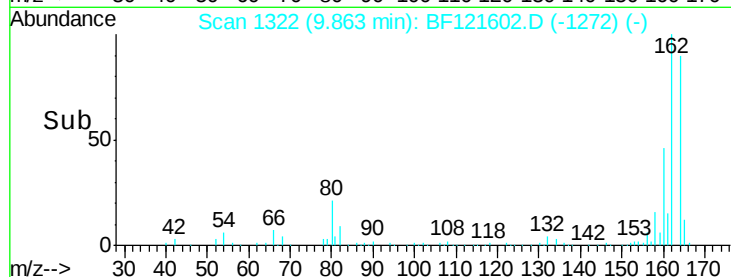
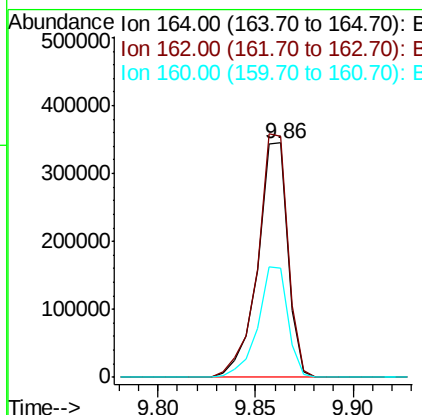
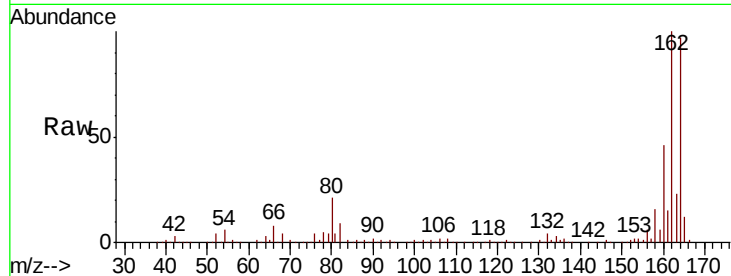
ClientSampleId :

SOIL-BORINGMS

Tot Ion:	164	Resp:	368500
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.3	123.5
160	46.9	37.0	55.4

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.438 ng

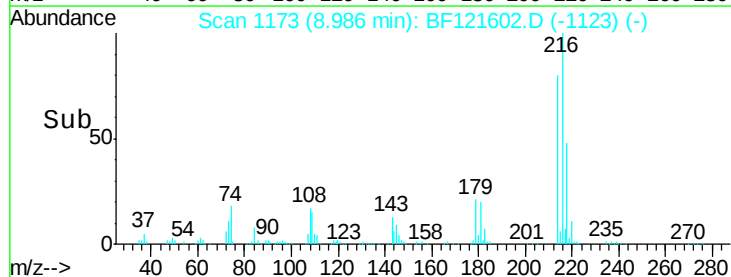
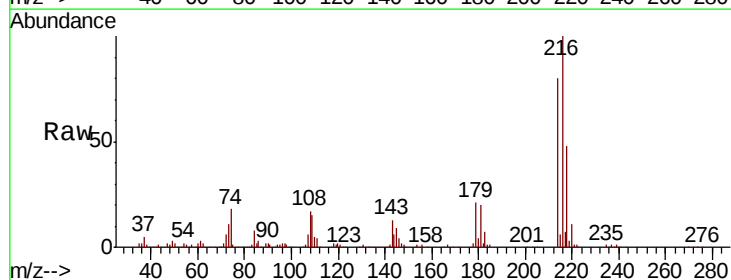
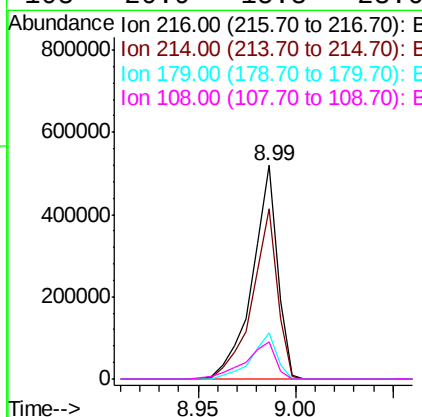
RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tgt Ion:	216	Resp:	465471
Ion Ratio	Lower	Upper	
216	100		
214	79.3	63.8	95.8
179	21.1	16.6	25.0
108	20.9	15.8	23.6





#41

Hexachlorocyclopentadiene

Concen: 75.252 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

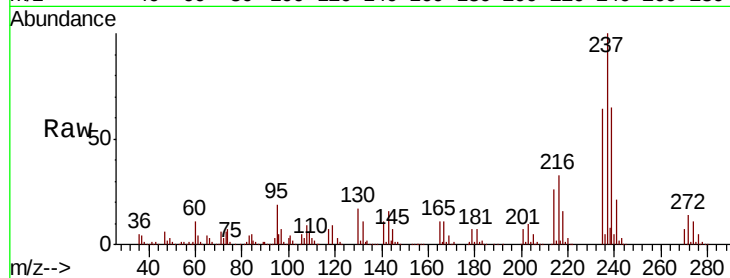
ClientSampleId :

SOIL-BORINGMS

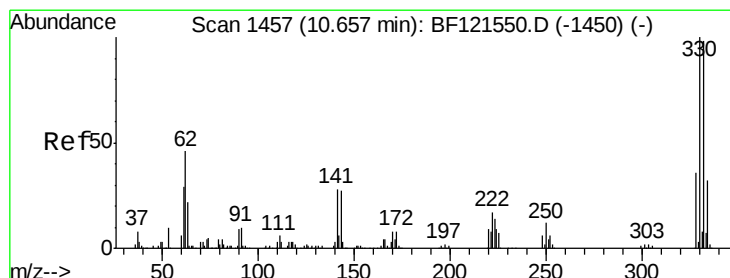
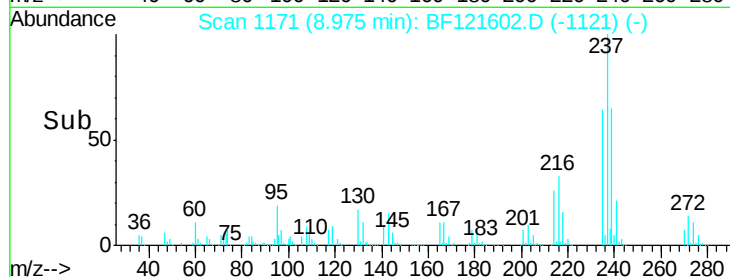
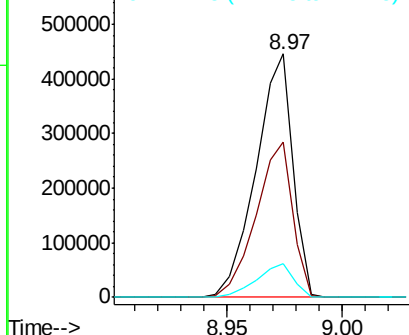
Tot Ion:	237	Resp:	494667
Ion Ratio	Lower	Upper	
237	100		
235	63.9	44.0	84.0
272	14.1	0.0	33.4

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



#42

2,4,6-Tribromophenol

Concen: 119.447 ng

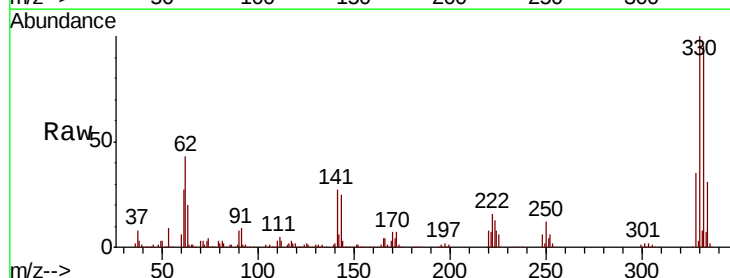
RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

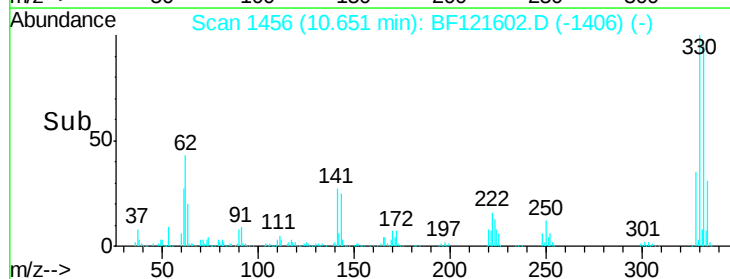
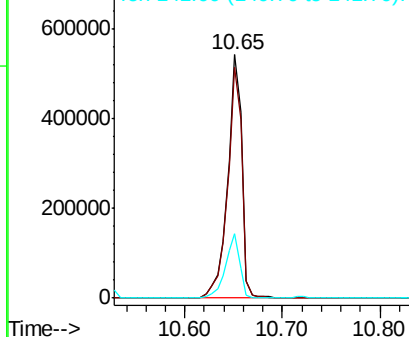
Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tgt Ion:	330	Resp:	547062
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.1	115.7
141	26.9	23.6	35.4



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





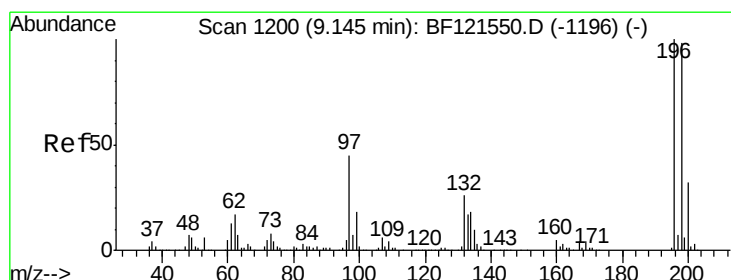
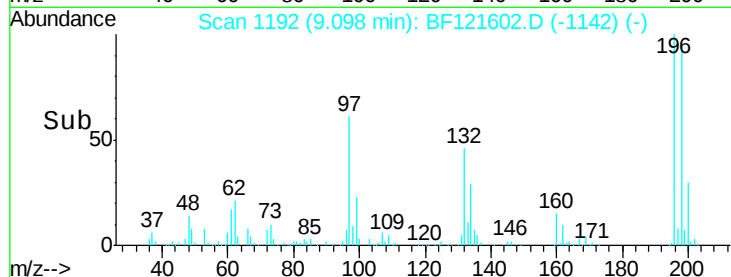
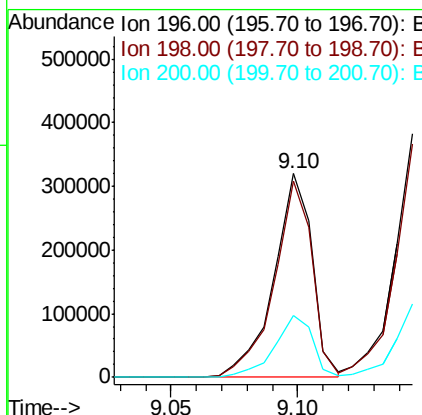
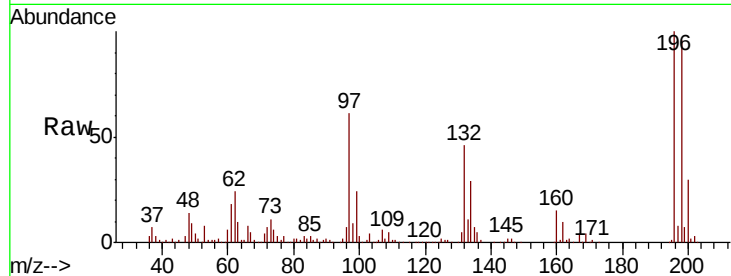
#43
 2,4,6-Trichlorophenol
 Concen: 42.561 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	333930		
198	96.1	75.6	113.4	
200	30.2	24.0	36.0	

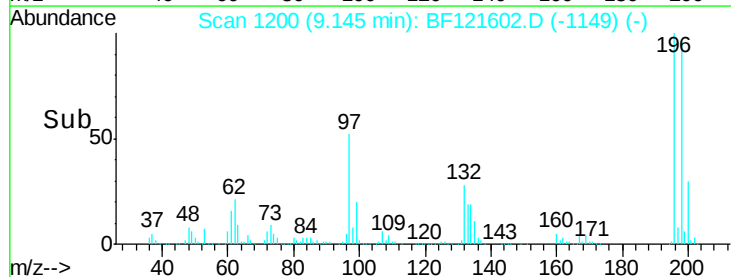
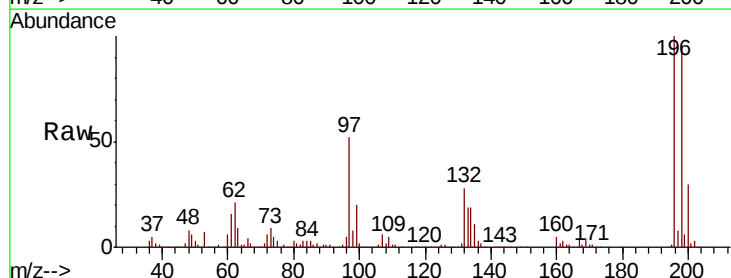
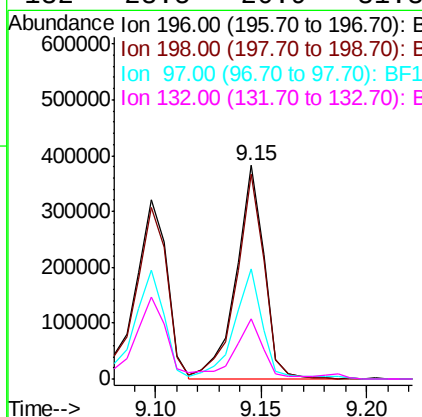
Manual Integrations
 APPROVED

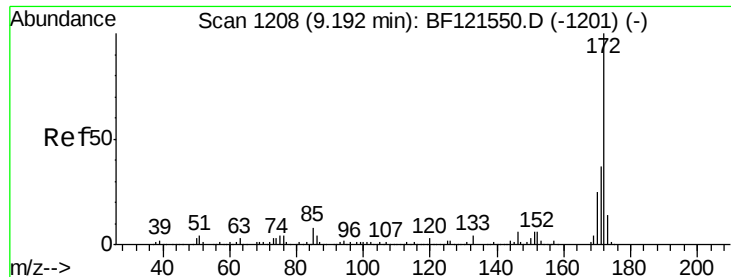
mohammad
 9/21/2020 10:32:20 AM



#44
 2,4,5-Trichlorophenol
 Concen: 41.952 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	347961		
198	95.6	78.1	117.1	
97	51.8	36.8	55.2	
132	28.5	20.9	31.3	





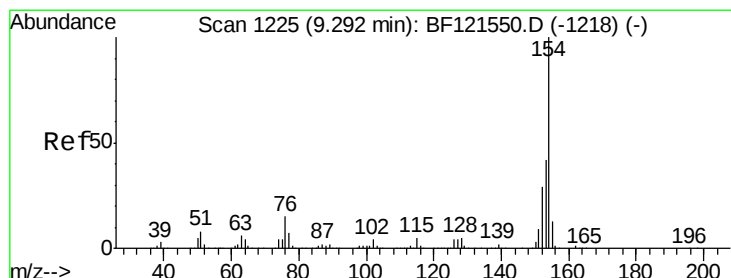
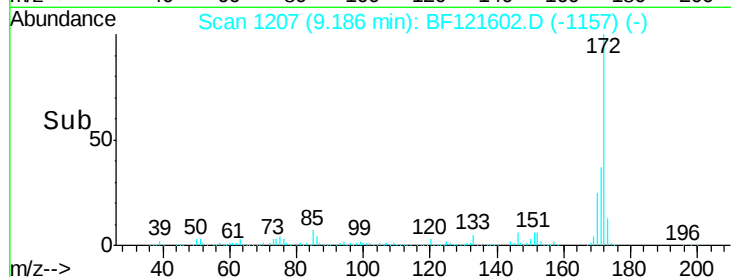
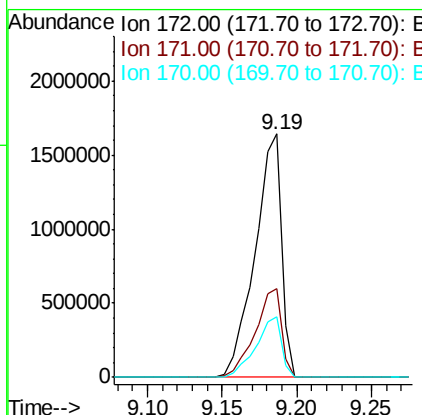
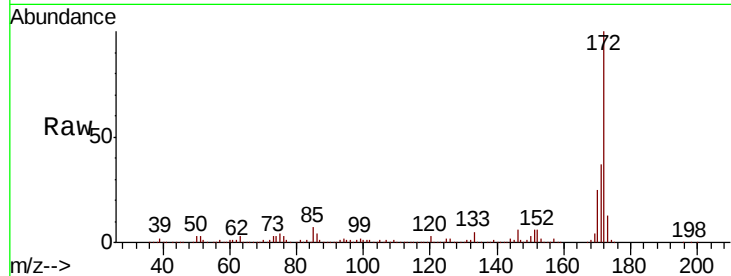
#45
2-Fluorobiphenyl
Concen: 82.227 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.8	44.6
170	24.7	19.8	29.8

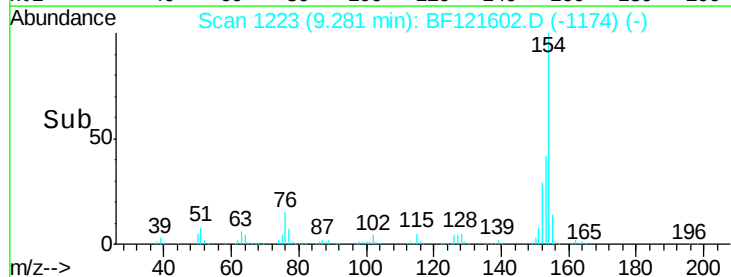
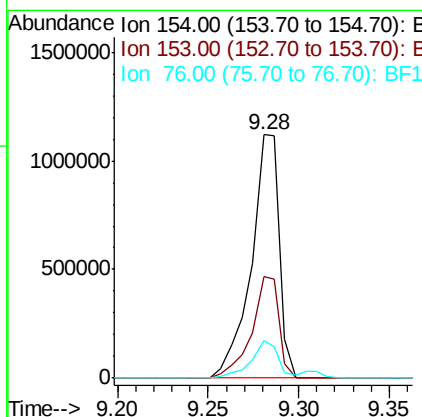
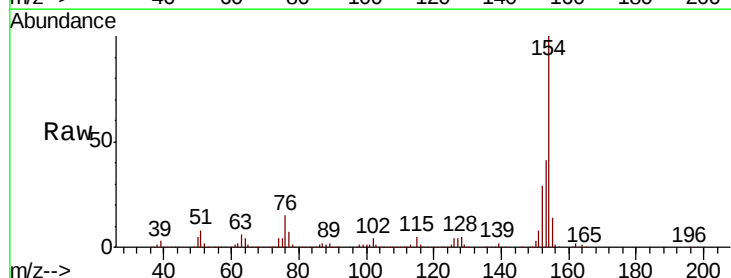
Manual Integrations
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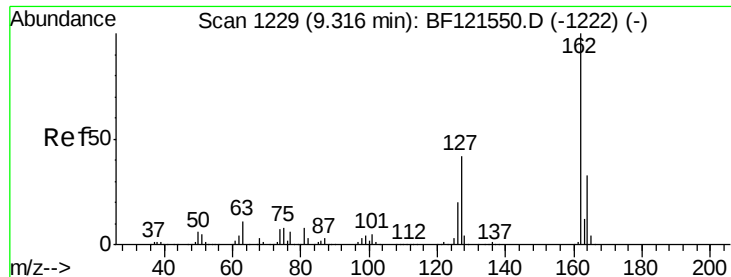
mohammad
9/21/2020 10:32:20 AM



#46
1,1'-Biphenyl
Concen: 41.001 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.7	61.7
76	15.5	0.0	35.5





#47

2-Chloronaphthalene

Concen: 40.737 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

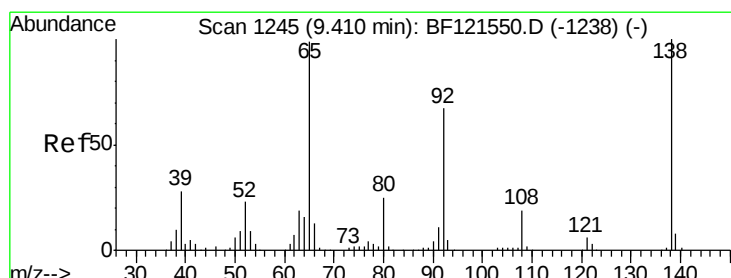
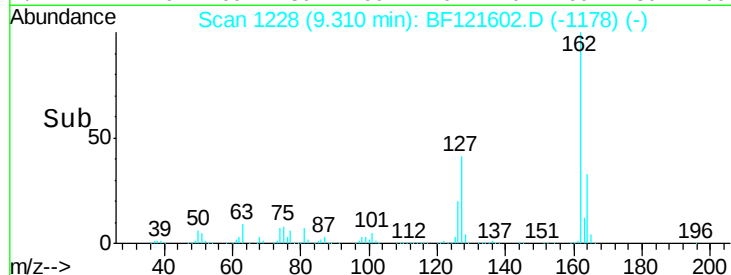
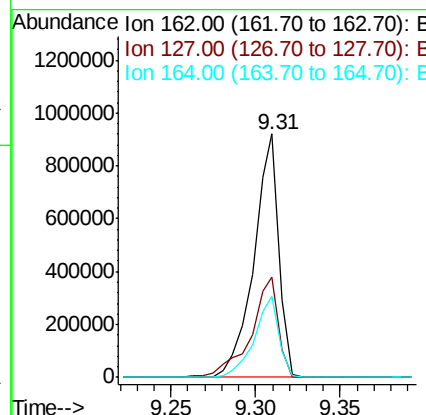
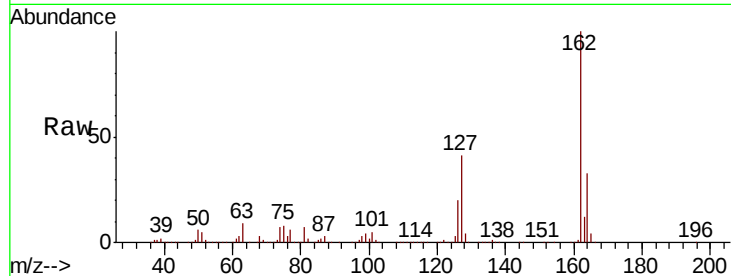
ClientSampleId :

SOIL-BORINGMS

Tot Ion:	162	Resp:	947020
Ion Ratio	Lower	Upper	
162	100		
127	41.3	33.9	50.9
164	33.2	26.7	40.1

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#48

2-Nitroaniline

Concen: 45.671 ng

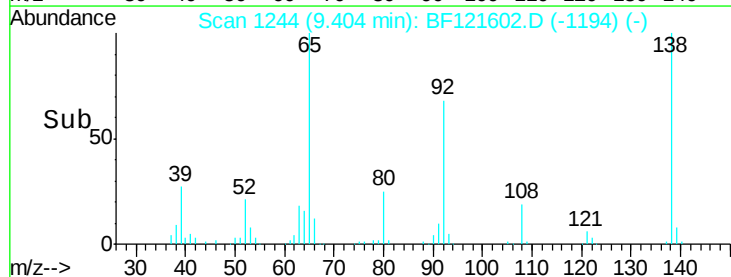
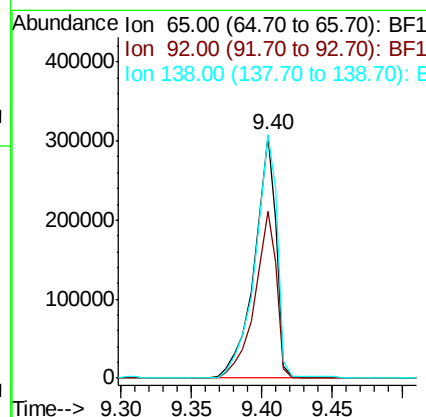
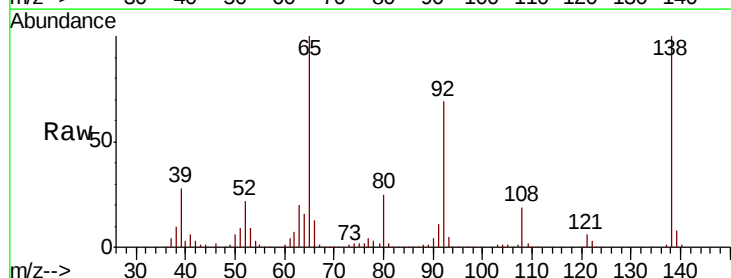
RT: 9.40 min Scan# 1244

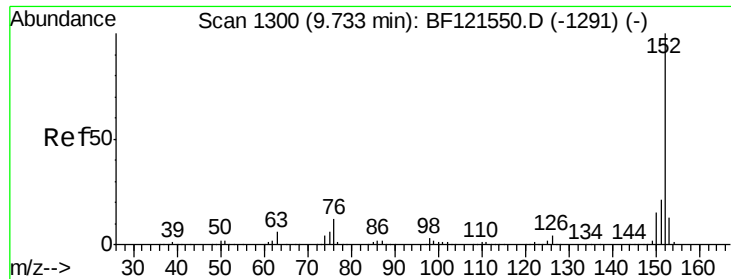
Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tgt Ion:	65	Resp:	329937
Ion Ratio	Lower	Upper	
65	100		
92	68.7	54.2	81.4
138	100.2	80.8	121.2





#49

Acenaphthylene

Concen: 41.329 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

Tot Ion:152 Resp: 1476235

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

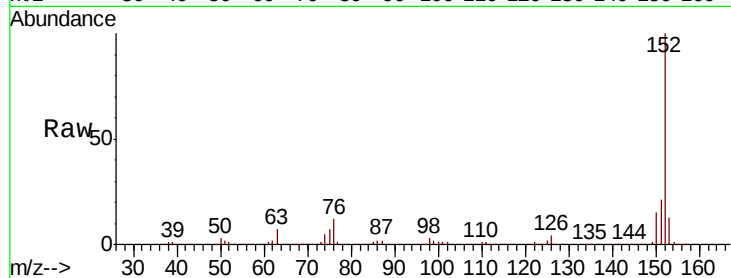
153 13.5 10.7 16.1

Manual Integrations

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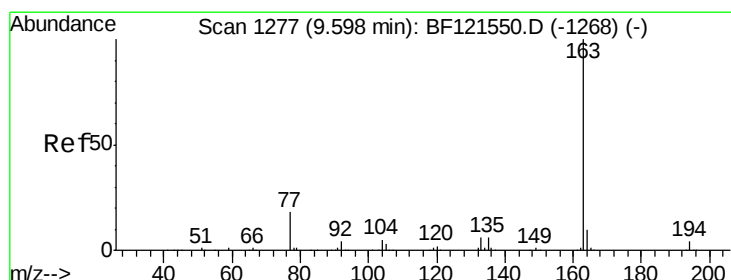
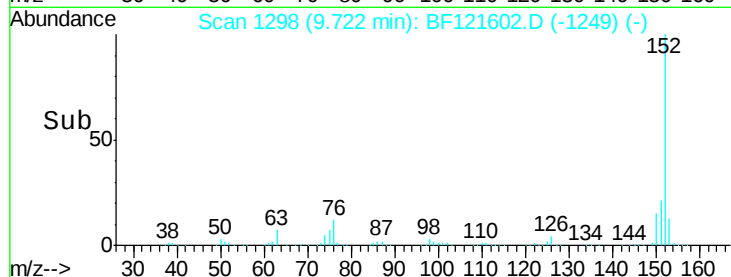
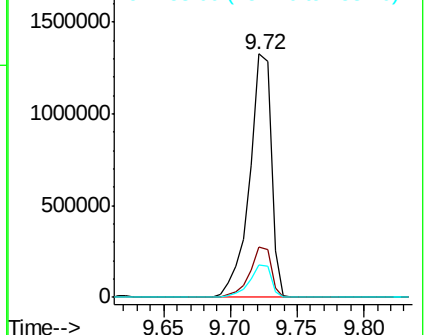
9/21/2020 10:32:20 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.032 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

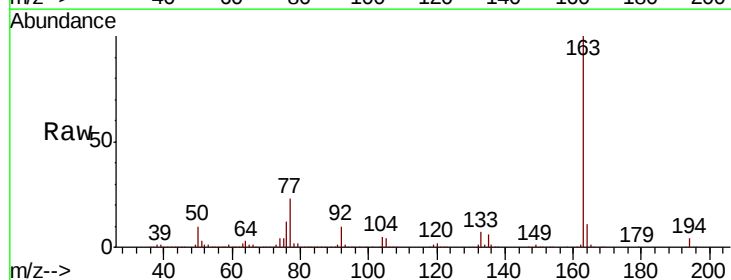
Tgt Ion:163 Resp: 1336276

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

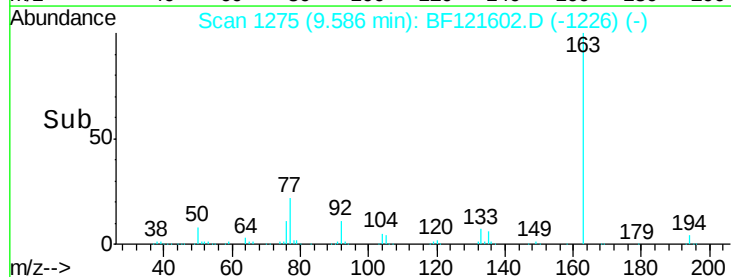
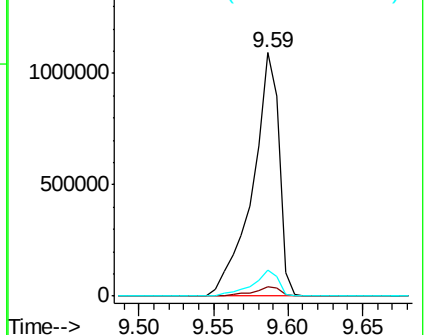
164 10.7 7.9 11.9

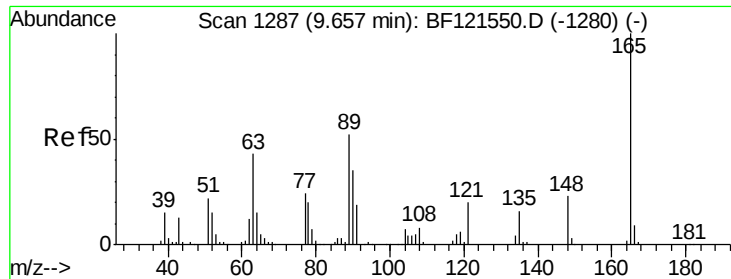


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





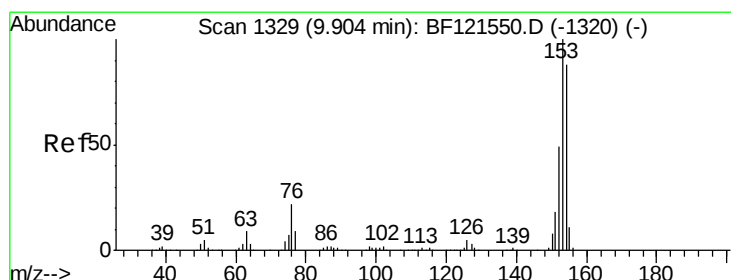
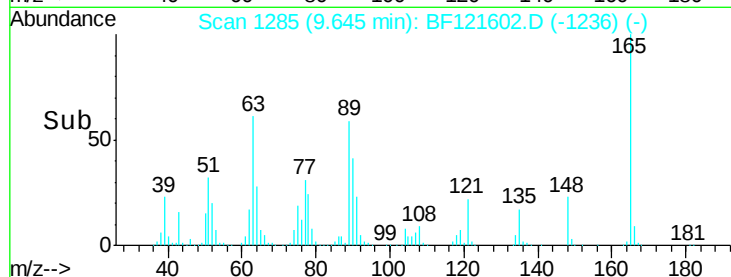
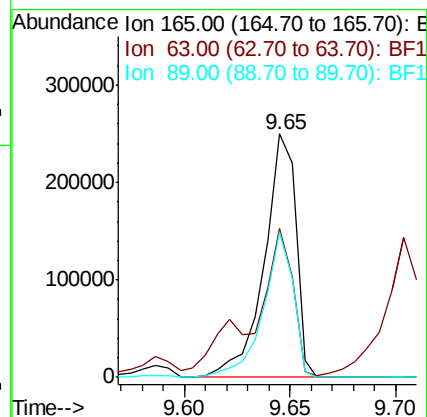
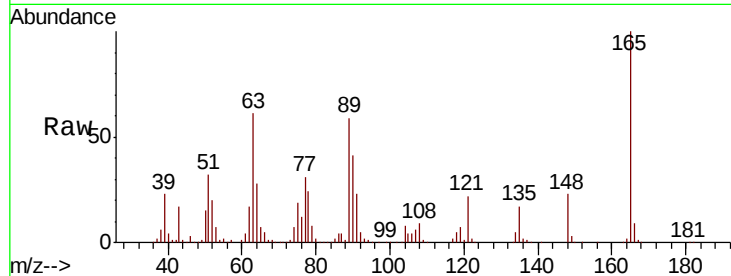
#51
2,6-Dinitrotoluene
Concen: 46.055 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	261959		
63	61.3		40.6	61.0#
89	59.4		41.8	62.8

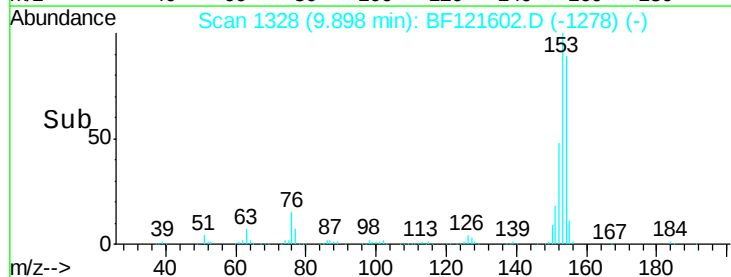
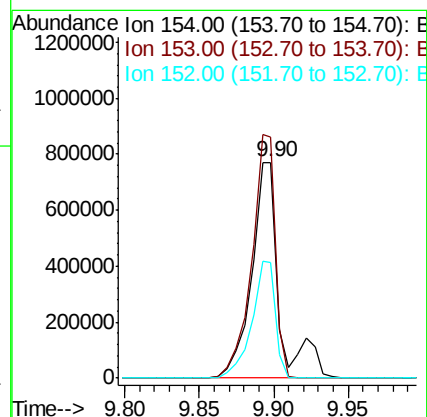
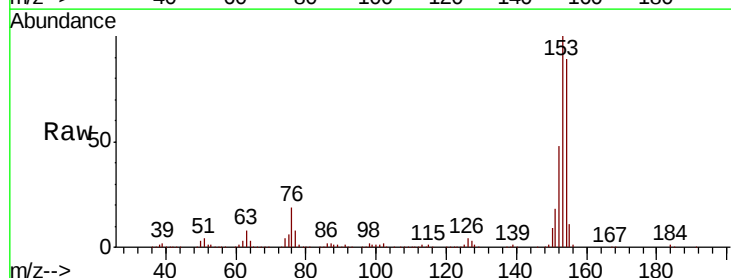
Manual Integrations
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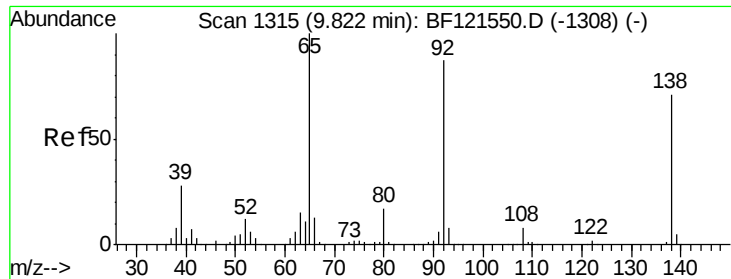
mohammad
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#52
Acenaphthene
Concen: 44.795 ng m
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1010593		
153	111.7		91.0	136.4
152	53.4		44.2	66.2





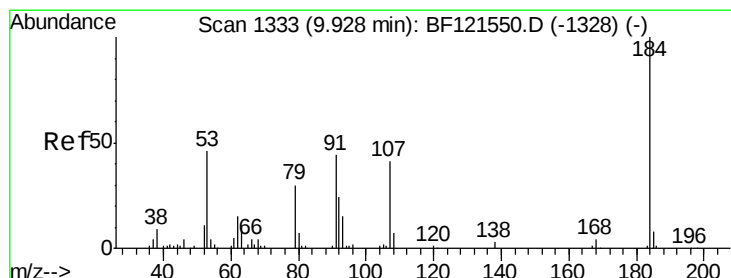
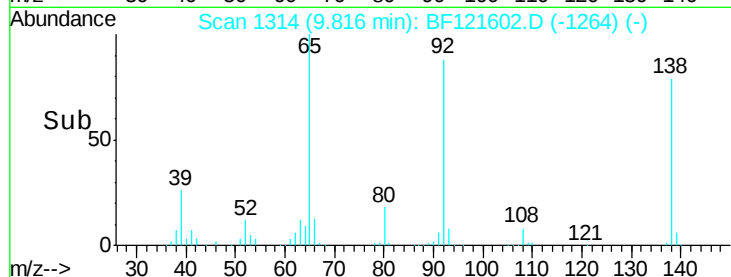
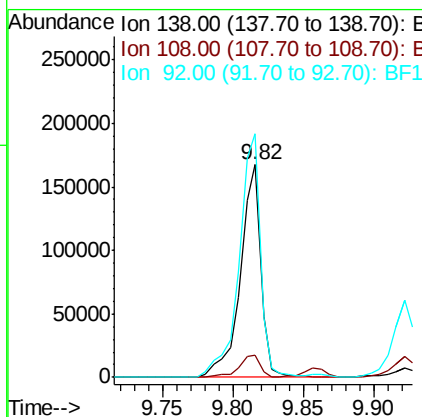
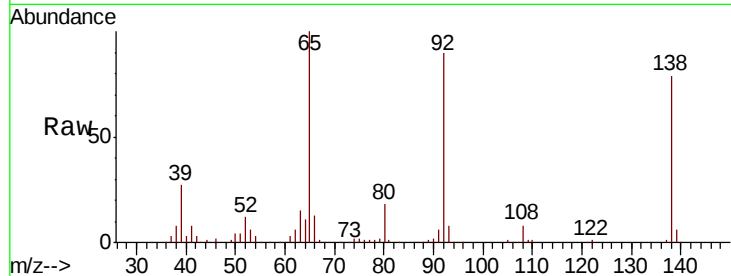
#53
3-Nitroaniline
Concen: 25.995 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.0	13.6
92	114.4	97.4	146.0

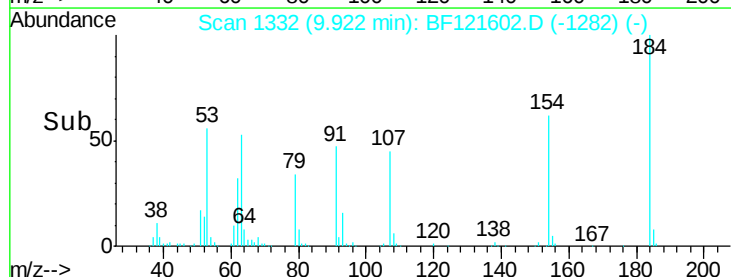
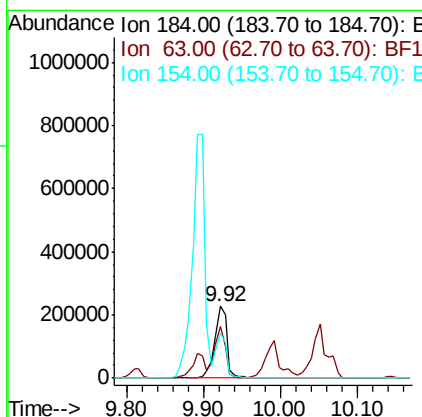
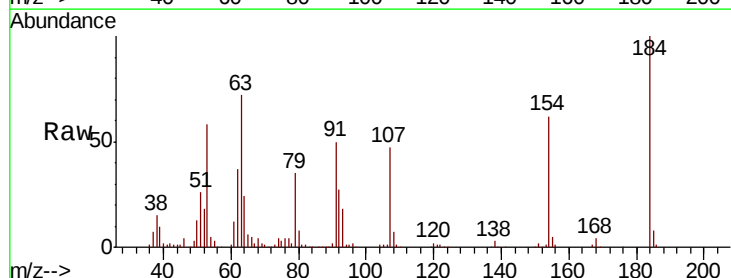
Manual Integrations
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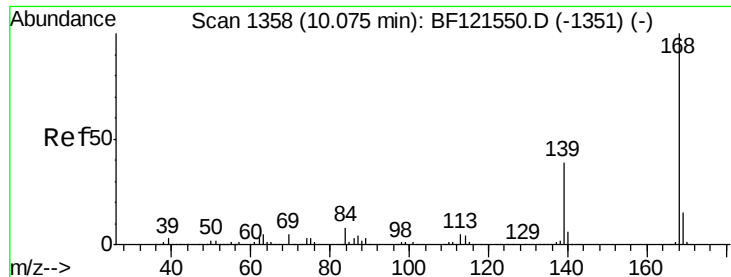
mohammad
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#54
2,4-Dinitrophenol
Concen: 76.441 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
184	100		
63	71.8	47.7	71.5#
154	62.3	47.2	70.8





#55

Dibenzofuran

Concen: 40.478 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

Tot Ion:168 Resp: 1286034

Ion Ratio Lower Upper

168 100

139 39.0 31.4 47.0

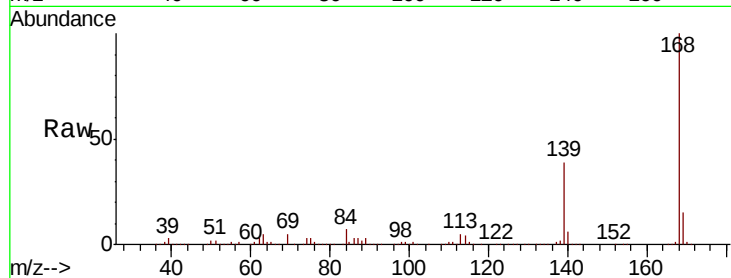
169 14.5 11.9 17.9

Manual Integrations

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mohammad

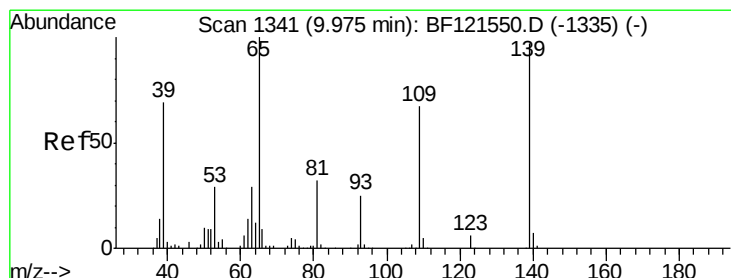
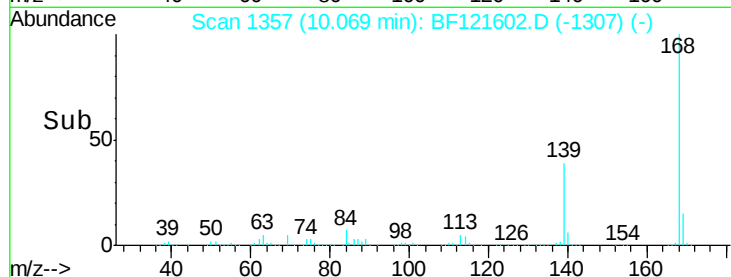
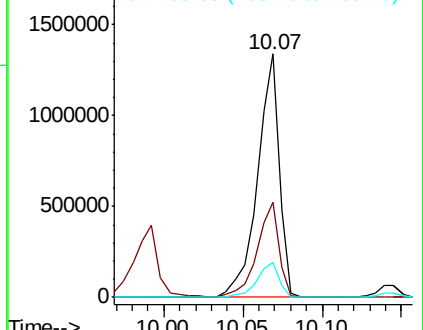
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 80.097 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.02 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

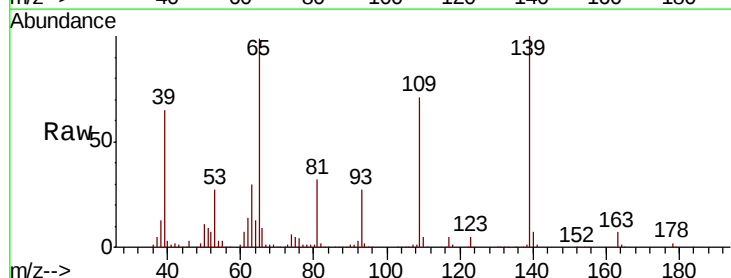
Tgt Ion:139 Resp: 420897

Ion Ratio Lower Upper

139 100

109 71.3 48.8 88.8

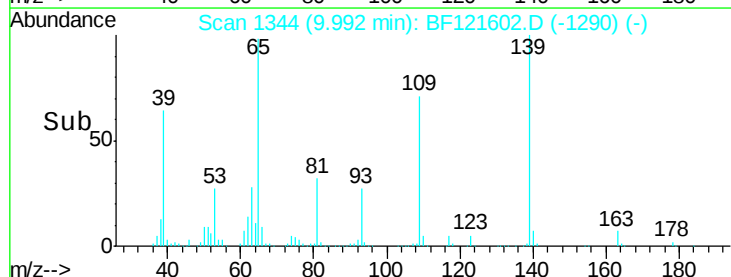
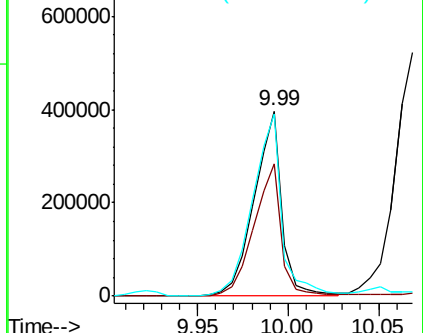
65 98.6 83.6 123.6

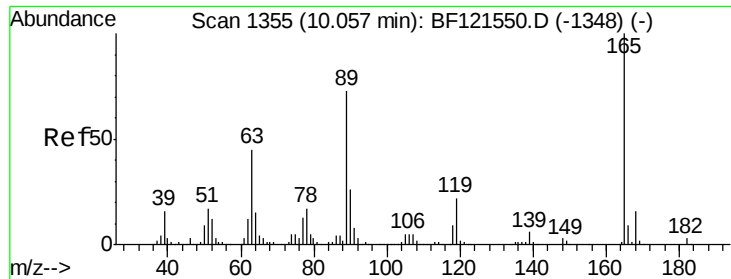


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 47.242 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

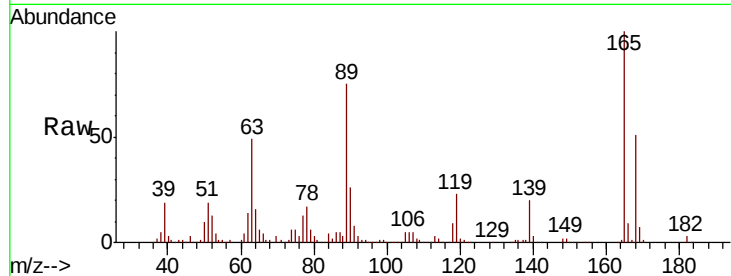
ClientSampleId :

SOIL-BORINGMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	338057		
63	49.3	36.2	54.4	
89	74.9	58.2	87.4	
182	2.9	2.2	3.2	

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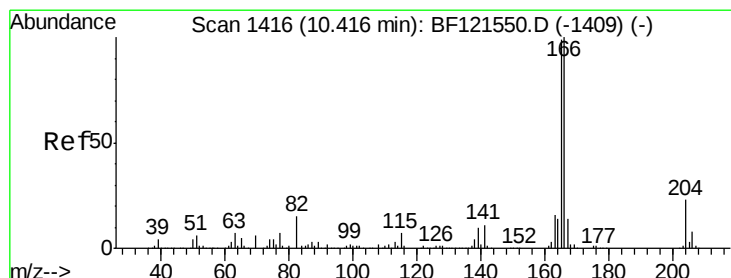
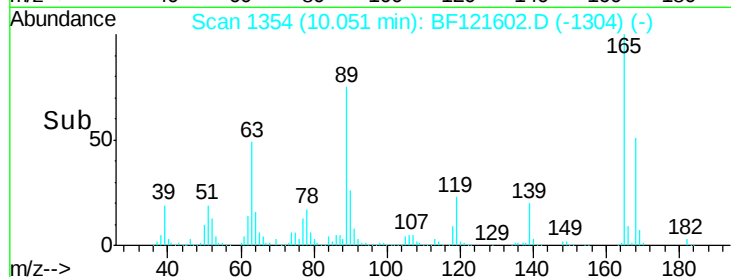
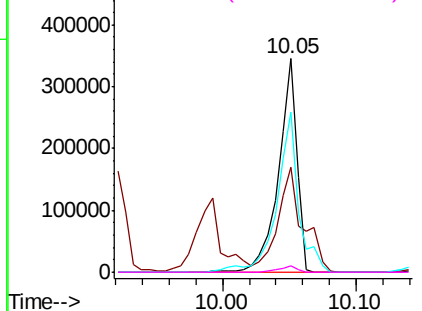


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 40.706 ng

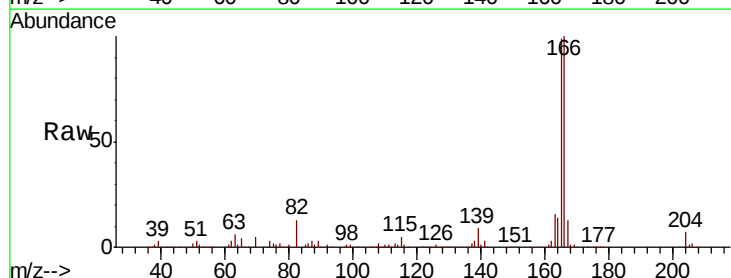
RT: 10.41 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

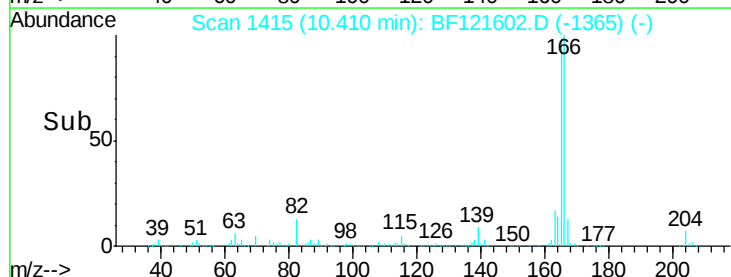
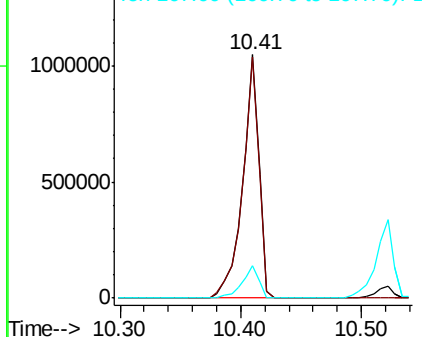
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	988999		
165	98.9	79.0	118.4	
167	13.4	11.0	16.6	



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





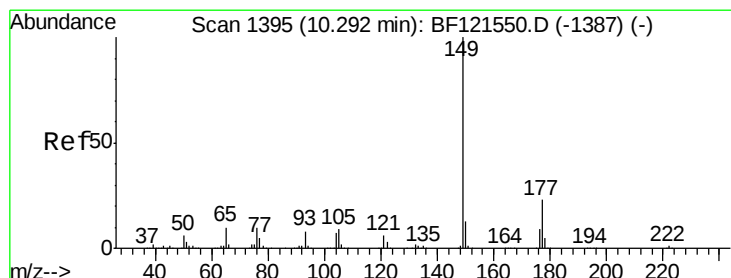
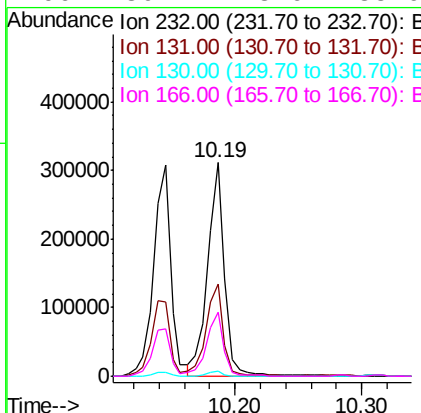
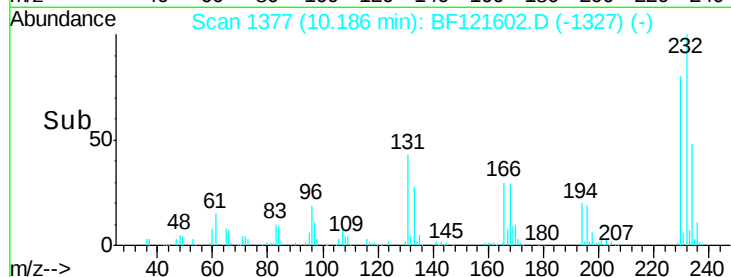
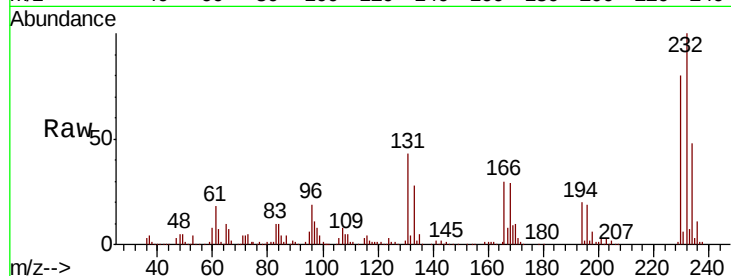
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.272 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	291788		
131	44.3	36.3	54.5	
130	2.1	1.9	2.9	
166	30.2	23.9	35.9	

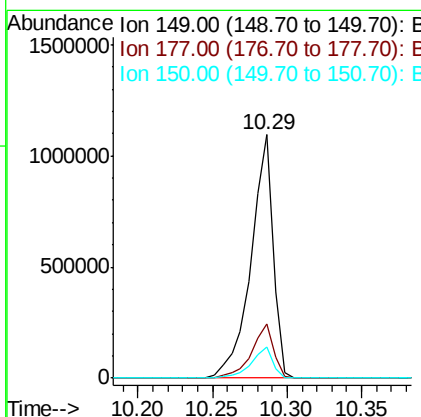
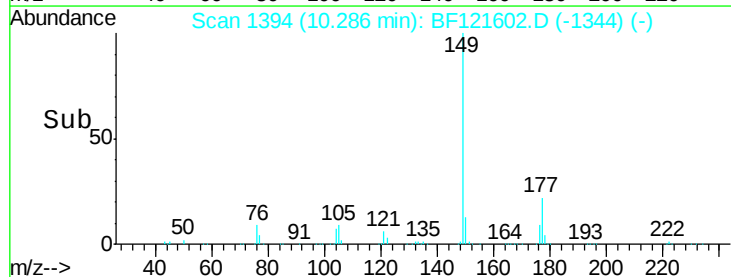
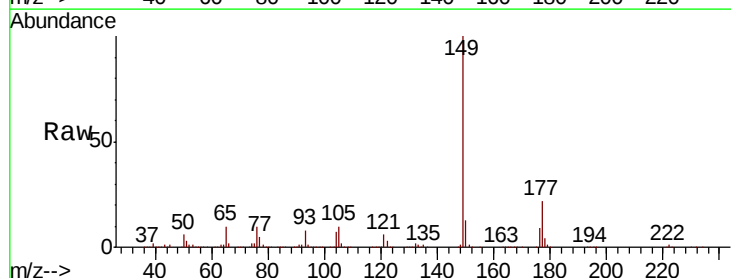
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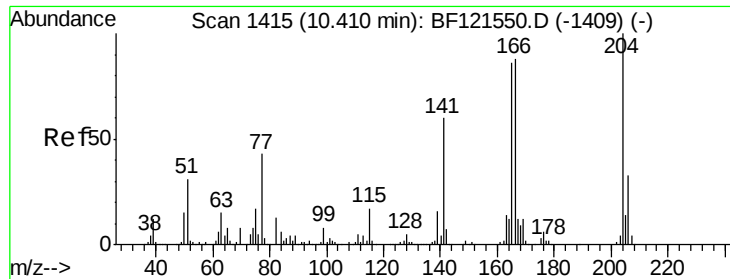
mohammad
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#60
Diethylphthalate
Concen: 42.917 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1117569		
177	22.4	18.2	27.2	
150	12.5	10.2	15.2	





#61

4-Chlorophenyl-phenylether

Concen: 41.864 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

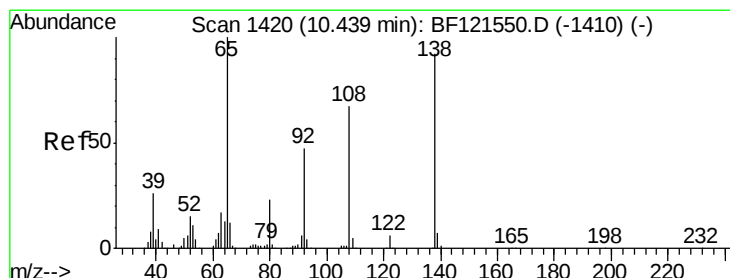
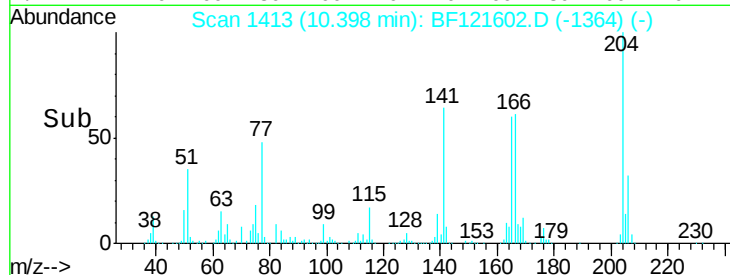
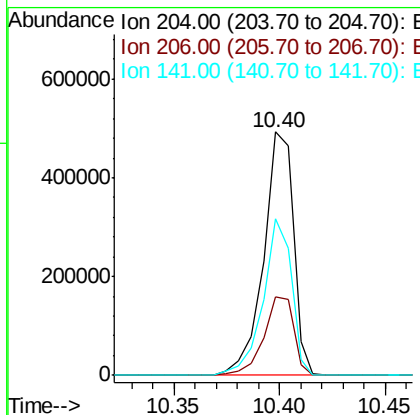
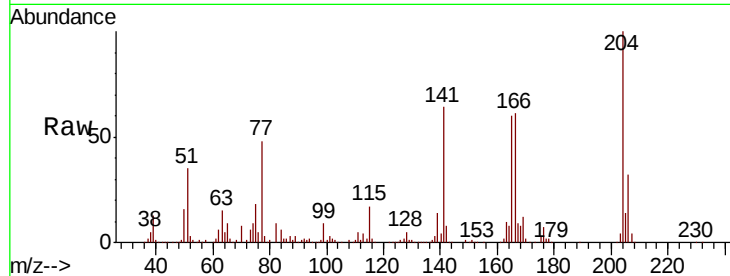
ClientSampleId :

SOIL-BORINGMS

Tot Ion:	204	Resp:	487246
Ion Ratio	Lower	Upper	
204	100		
206	32.4	26.4	39.6
141	64.3	48.3	72.5

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#62

4-Nitroaniline

Concen: 36.864 ng

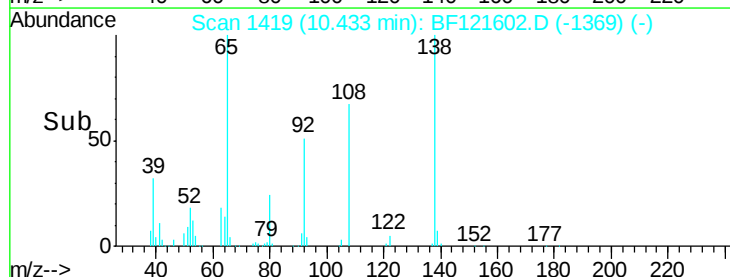
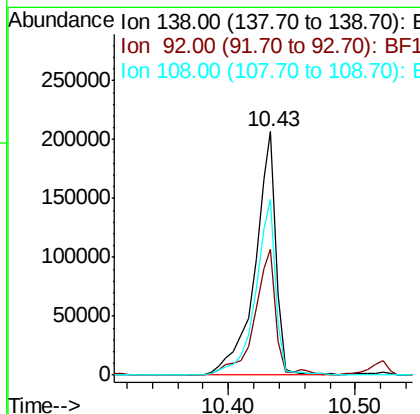
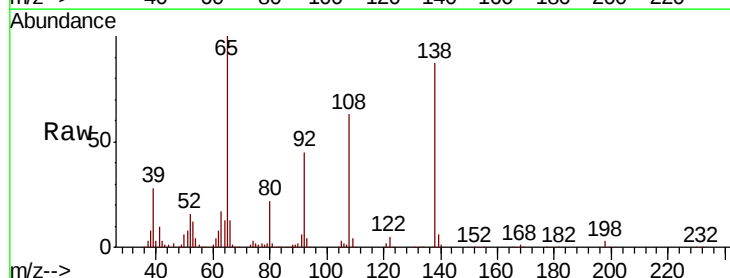
RT: 10.43 min Scan# 1419

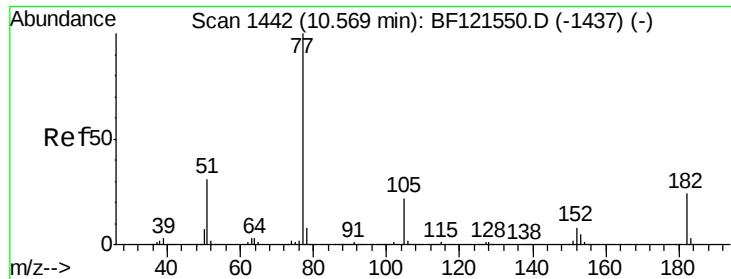
Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Tgt Ion:	138	Resp:	241183
Ion Ratio	Lower	Upper	
138	100		
92	51.9	31.4	71.4
108	72.4	52.4	92.4





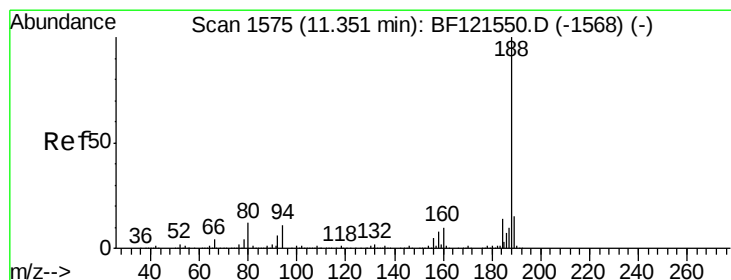
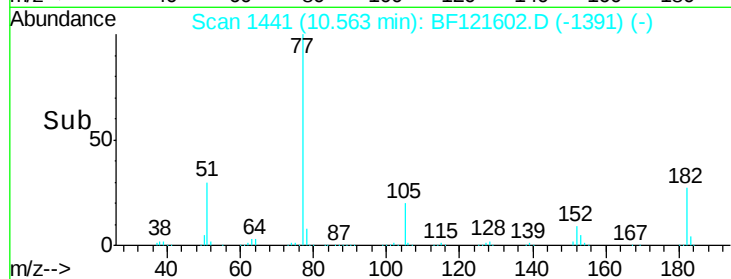
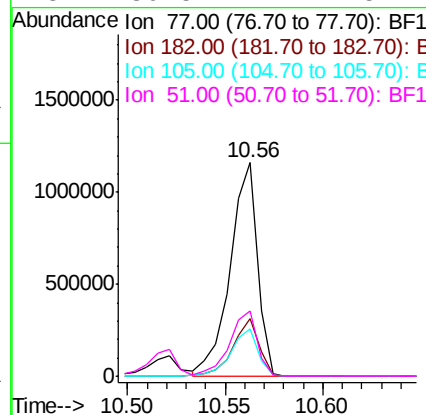
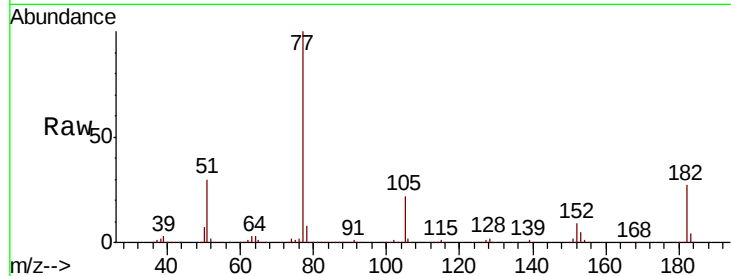
#63
Azobenzene
Concen: 40.654 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion: 77 Resp: 1127366
Ion Ratio Lower Upper
77 100
182 27.0 3.9 43.9
105 22.0 2.2 42.2
51 30.5 11.1 51.1

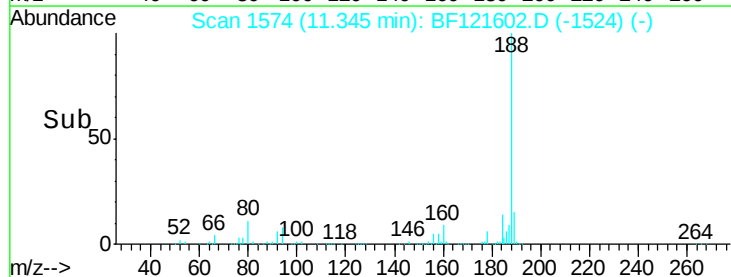
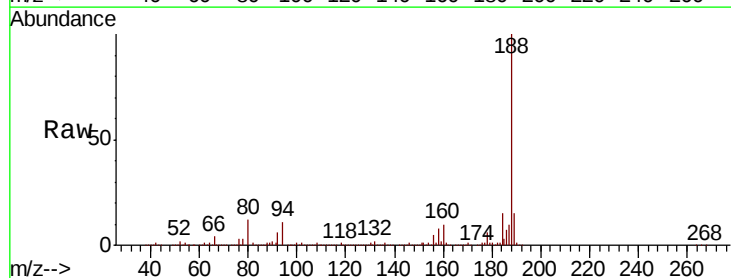
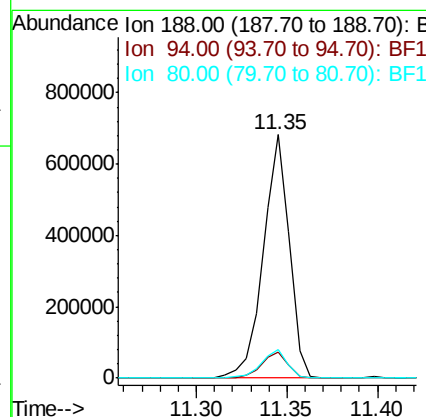
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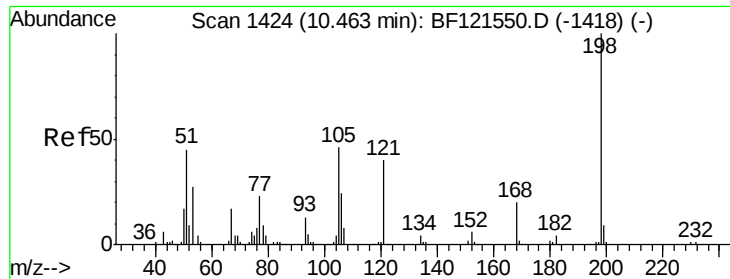
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion: 188 Resp: 679602
Ion Ratio Lower Upper
188 100
94 10.7 8.7 13.1
80 11.7 9.3 13.9





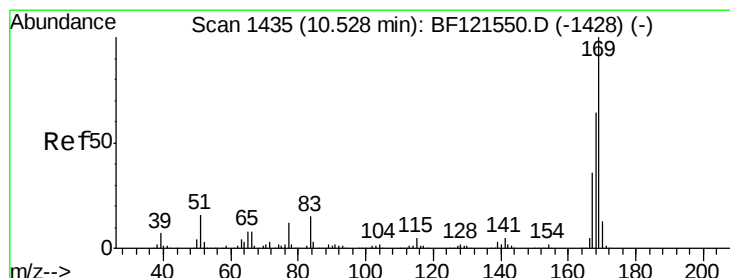
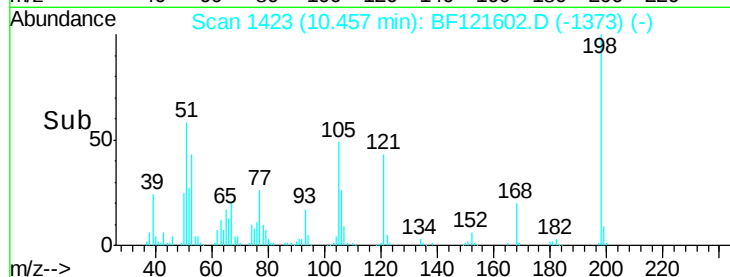
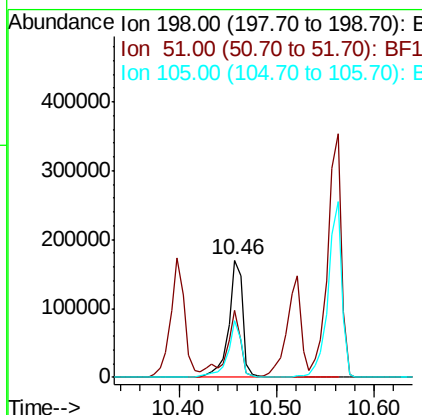
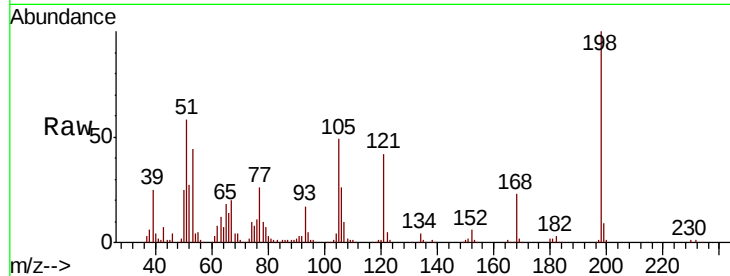
#65
4,6-Dinitro-2-methylphenol
Concen: 41.852 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	170264		
51	57.5	31.1	71.1	
105	48.8	26.6	66.6	

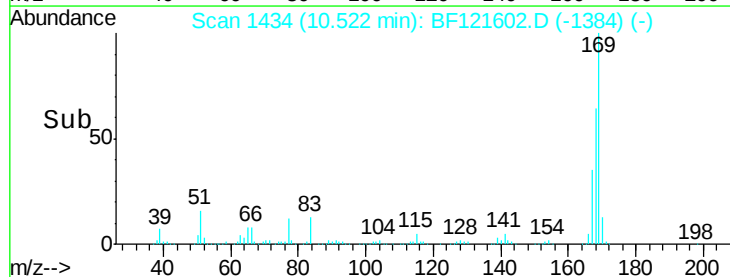
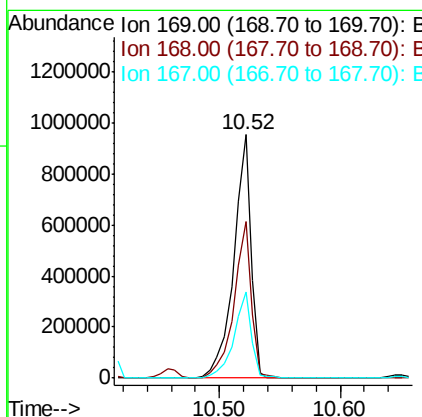
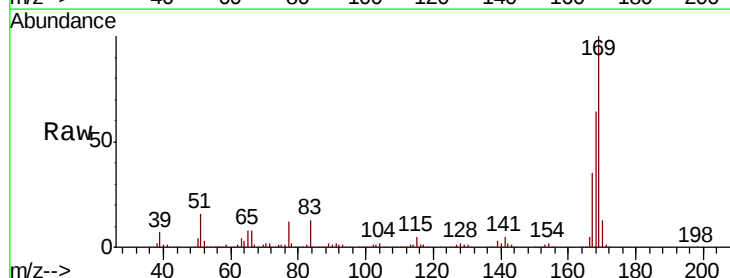
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#66
n-Nitrosodiphenylamine
Concen: 40.839 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	952181		
168	64.3	51.2	76.8	
167	35.3	28.9	43.3	





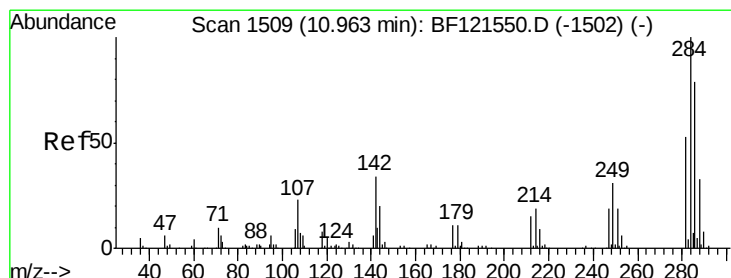
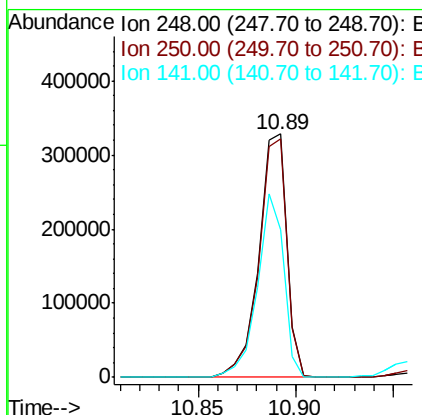
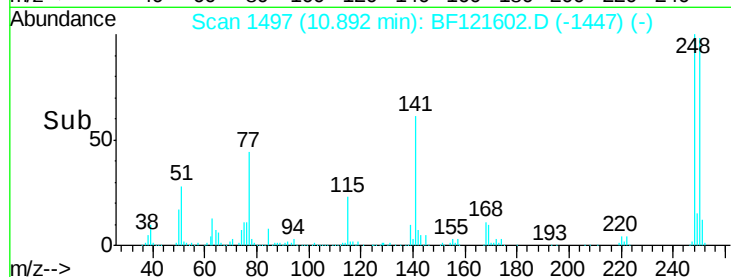
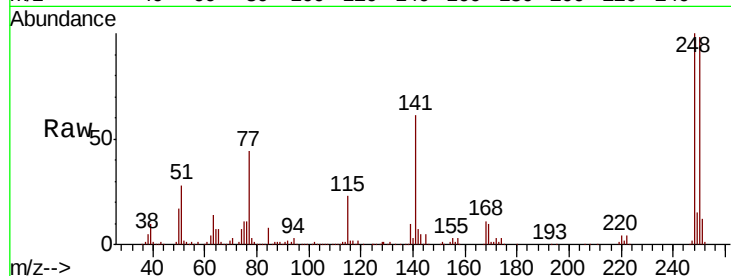
#67
4-Bromophenyl-phenylether
Concen: 42.341 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.0	77.4	116.0
141	60.7	56.7	85.1

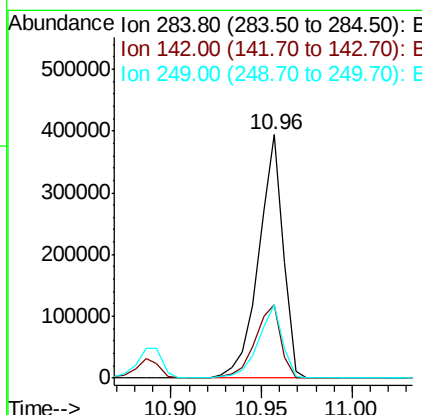
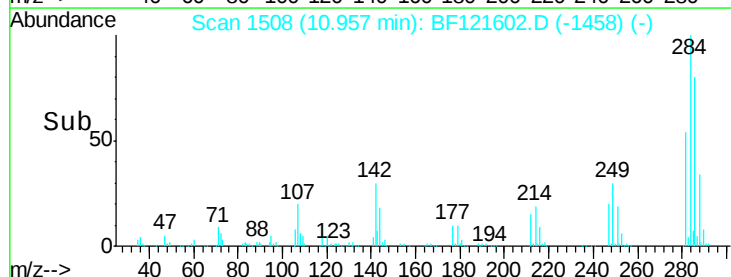
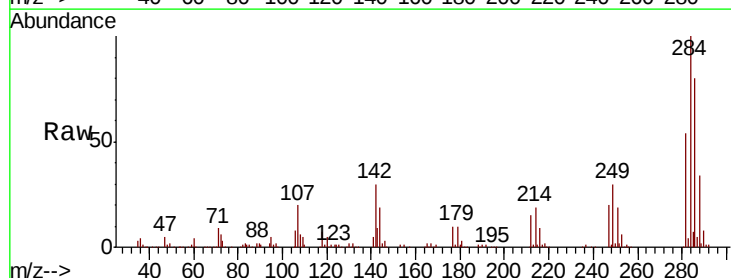
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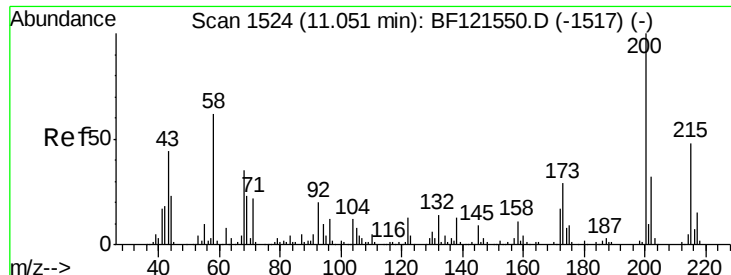
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#68
Hexachlorobenzene
Concen: 42.211 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.3	27.0	40.4
249	30.3	24.7	37.1





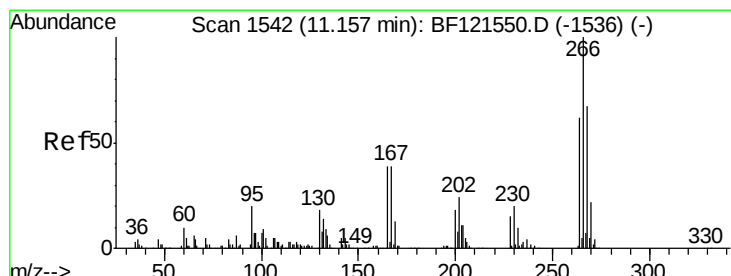
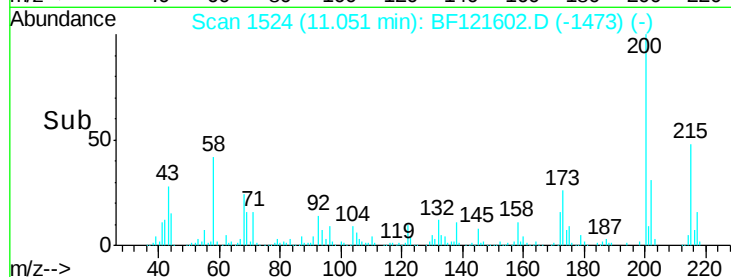
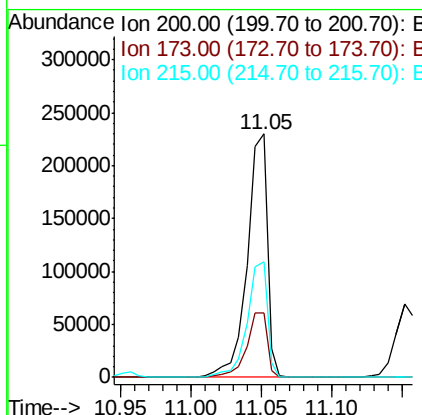
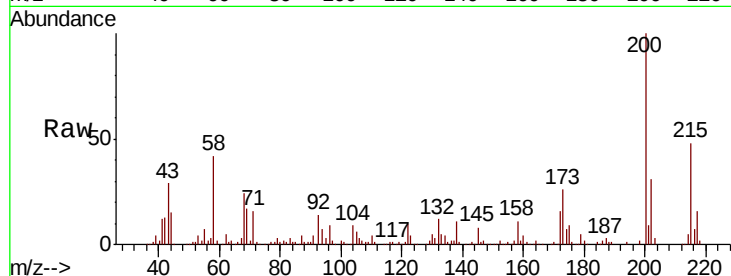
#69
Atrazine
Concen: 39.758 ng
RT: 11.05 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.4	8.5	48.5
215	47.6	27.8	67.8

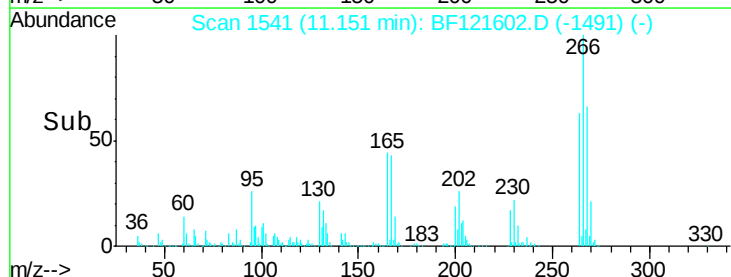
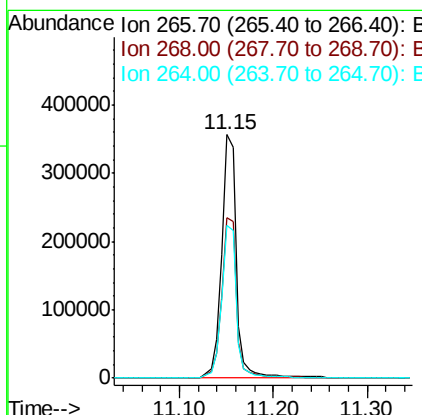
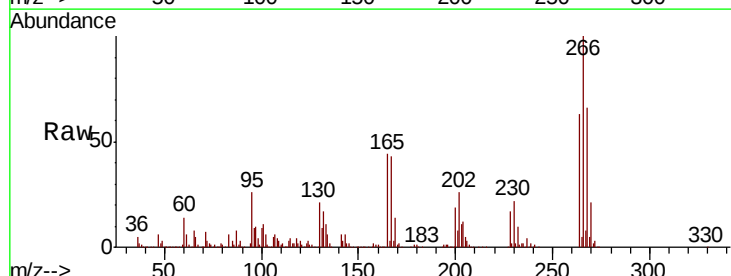
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#70
Pentachlorophenol
Concen: 81.717 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.0	53.5	80.3
264	62.9	49.8	74.8





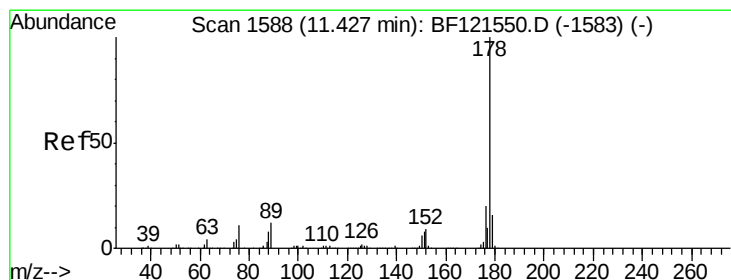
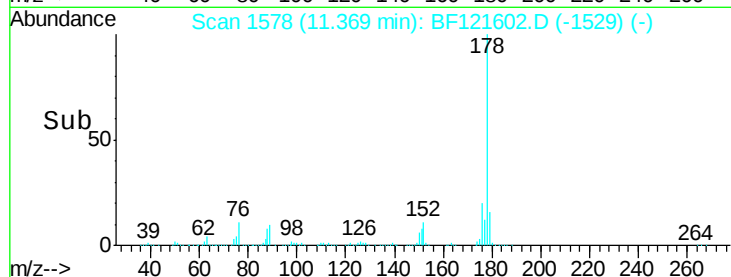
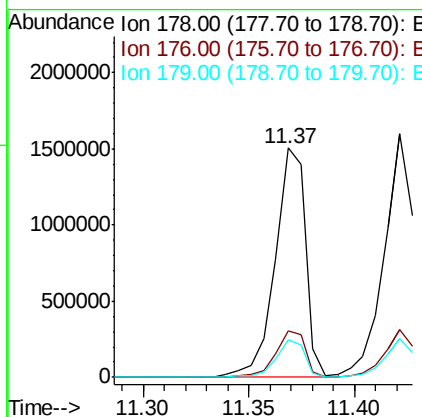
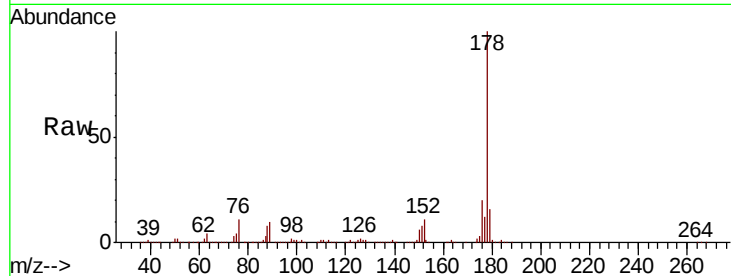
#71
Phenanthrene
Concen: 40.913 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion:178 Resp: 1514921
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 16.1 12.6 19.0

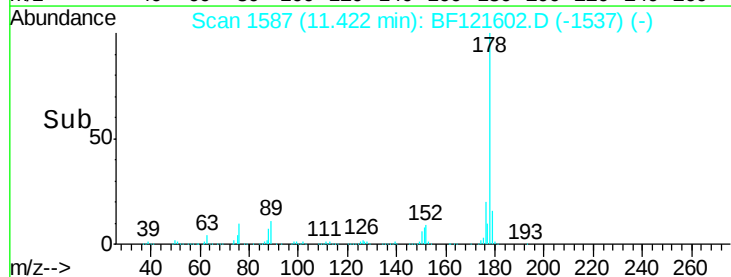
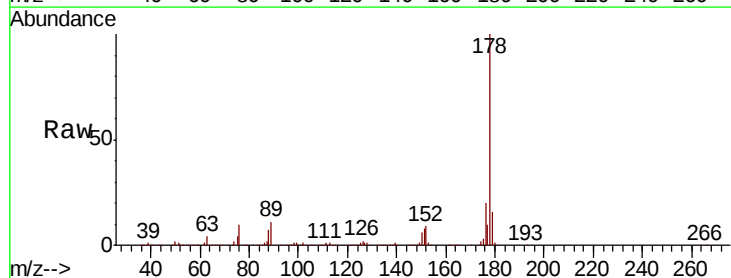
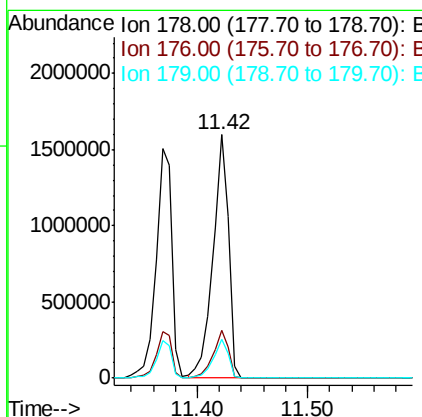
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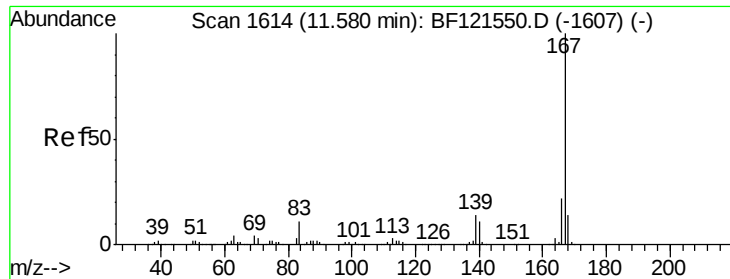
mohammad
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#72
Anthracene
Concen: 40.226 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion:178 Resp: 1537079
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.0 12.8 19.2





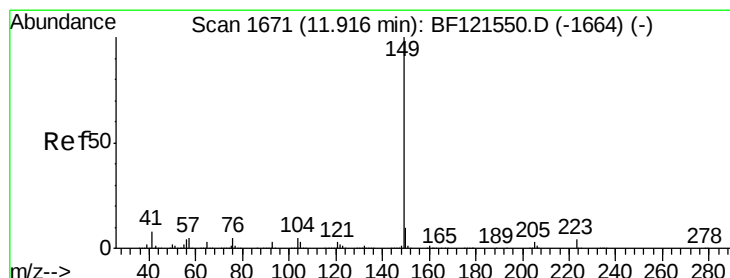
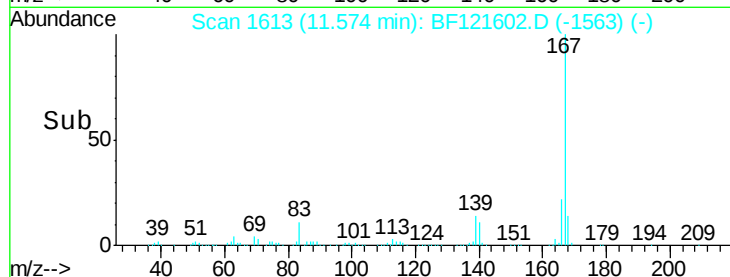
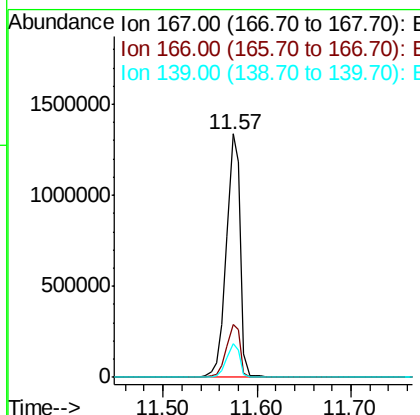
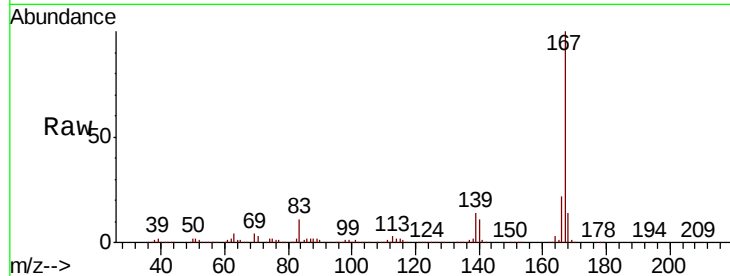
#73
 Carbazole
 Concen: 39.892 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.9	26.9
139	13.7	11.2	16.8

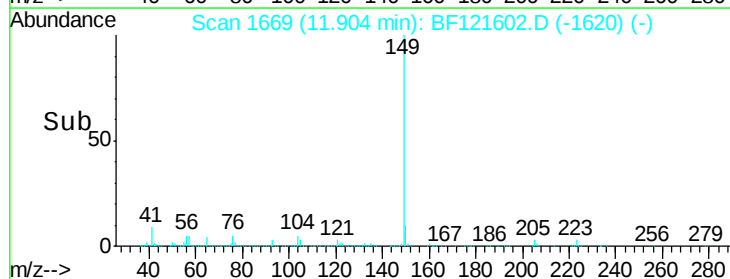
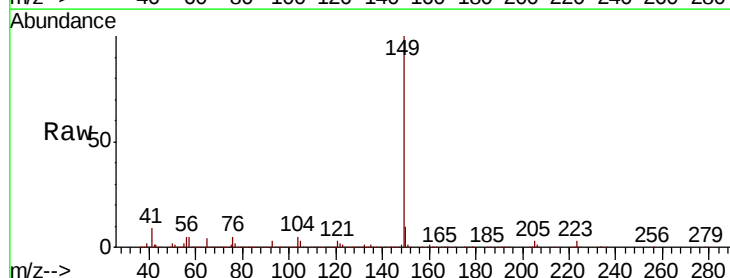
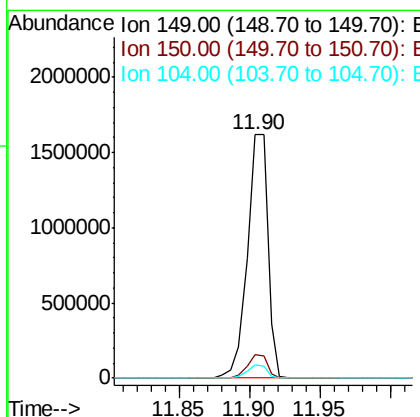
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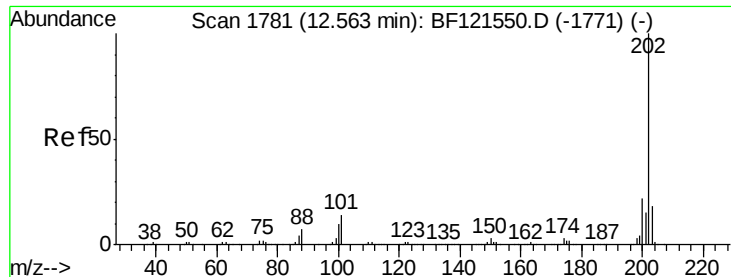
mohammad
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#74
 Di-n-butylphthalate
 Concen: 41.716 ng
 RT: 11.90 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.6	11.4
104	5.4	4.2	6.4





#75

Fluoranthene

Concen: 40.507 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

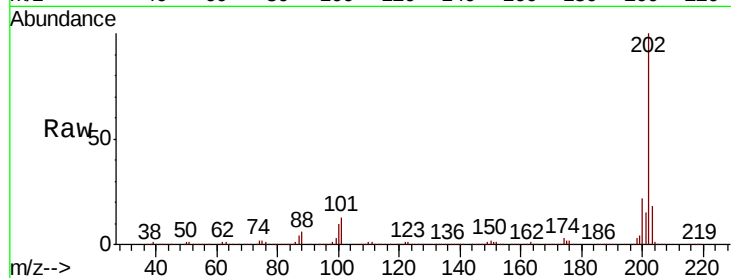
ClientSampleId :

SOIL-BORINGMS

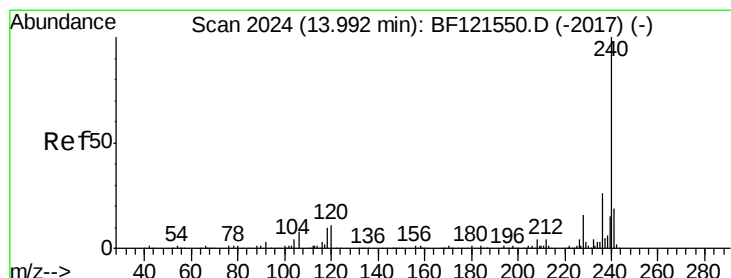
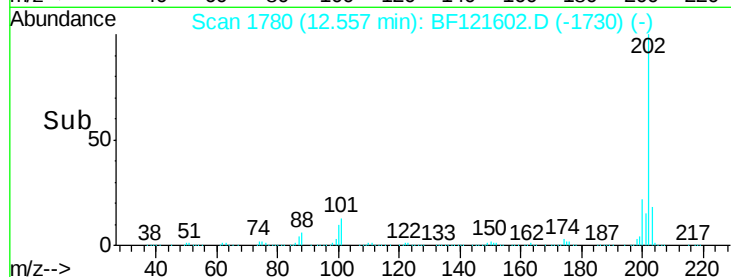
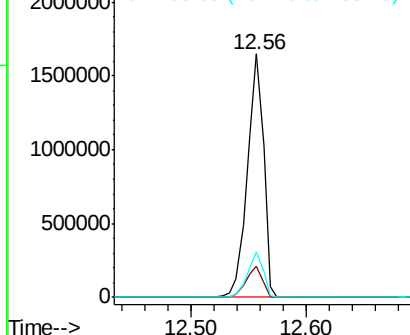
Tot Ion:	202	Resp:	1601096
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.0
203	18.5	0.0	38.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

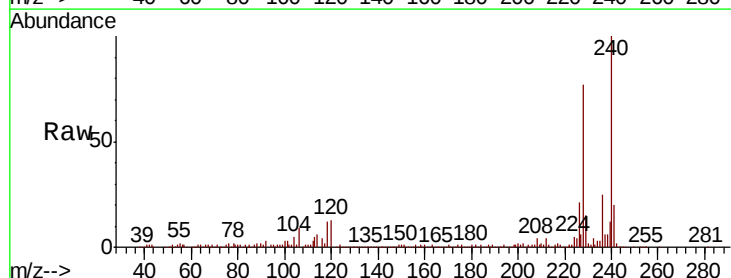
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

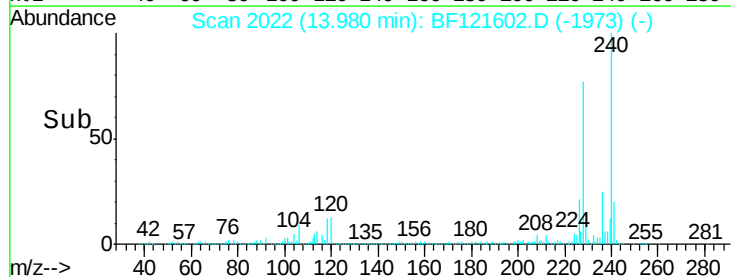
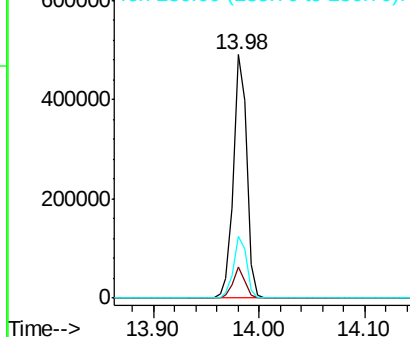
Lab File: BF121602.D

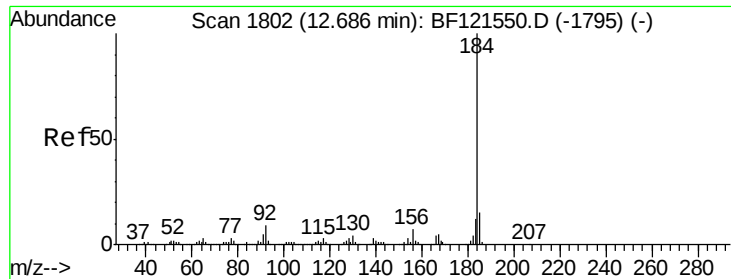
Acq: 17 Sep 2020 17:53

Tgt Ion:	240	Resp:	424422
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.2	13.8
236	25.4	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 37.313 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMS

Tot Ion:184 Resp: 525009

Ion Ratio Lower Upper

184 100

185 14.7 12.0 18.0

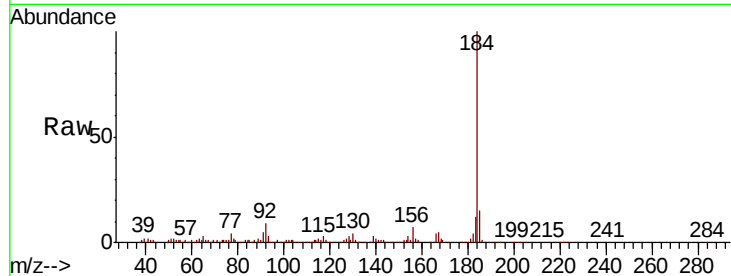
183 11.9 9.5 14.3

Manual Integrations

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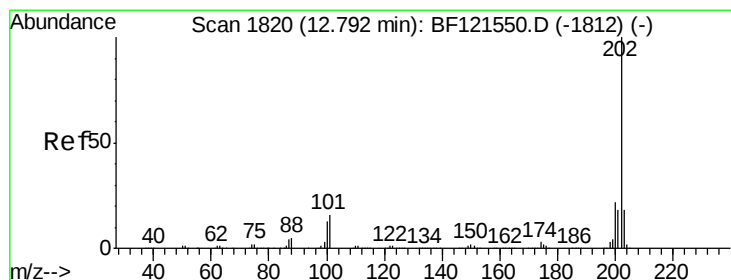
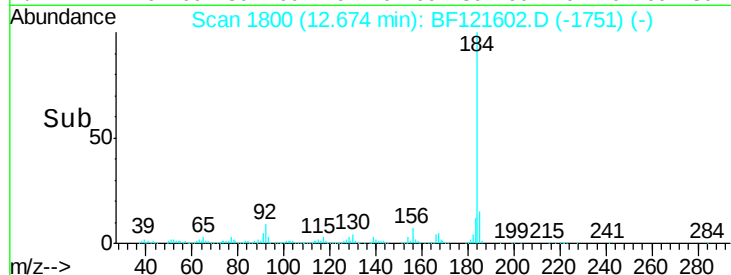
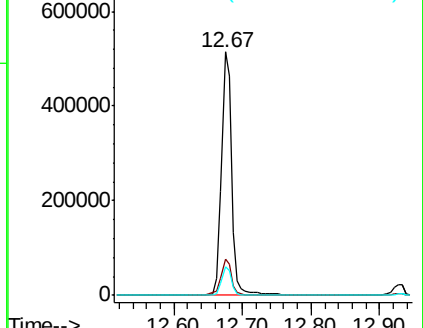
9/21/2020 10:32:20 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 50.753 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

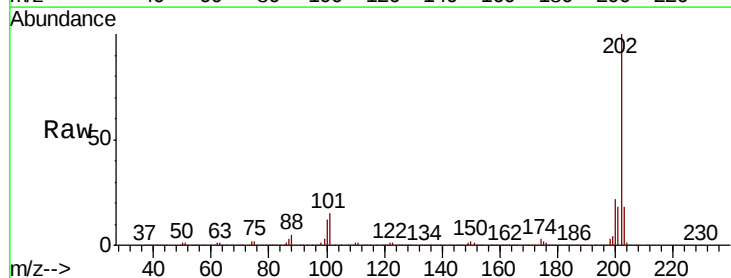
Tgt Ion:202 Resp: 1573821

Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.8

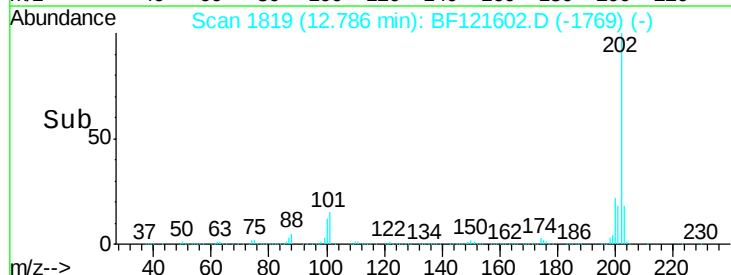
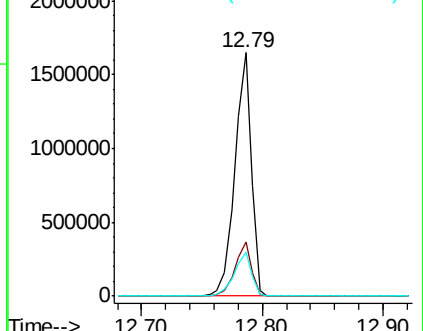
203 18.0 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





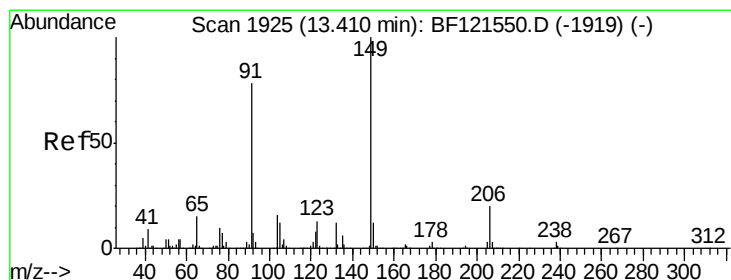
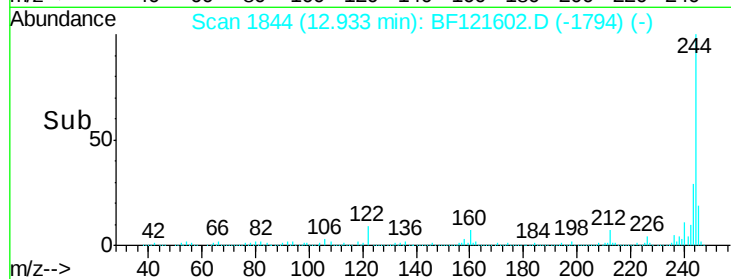
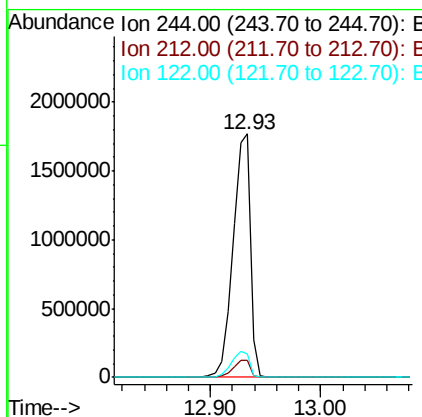
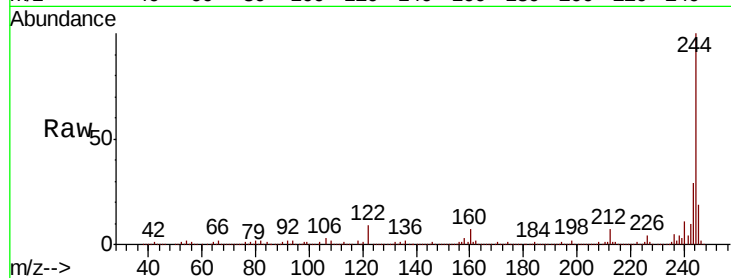
#79
 Terphenyl-d14
 Concen: 93.193 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	9.4	8.7	13.1

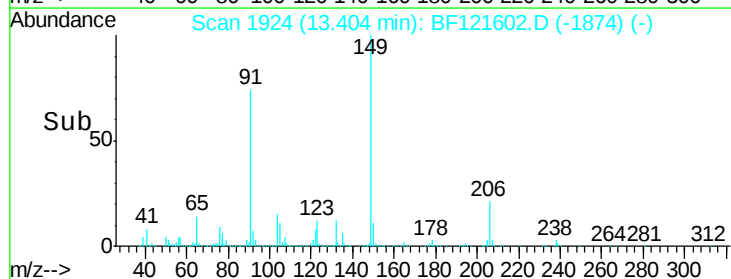
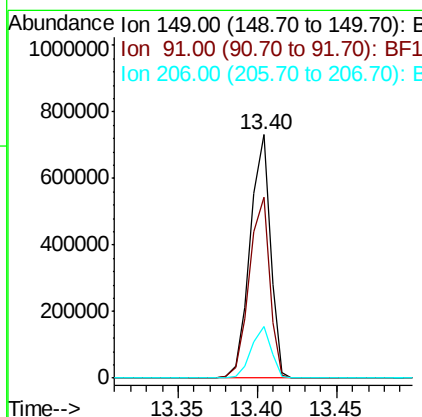
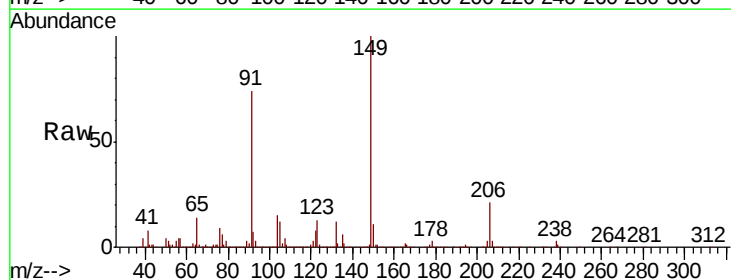
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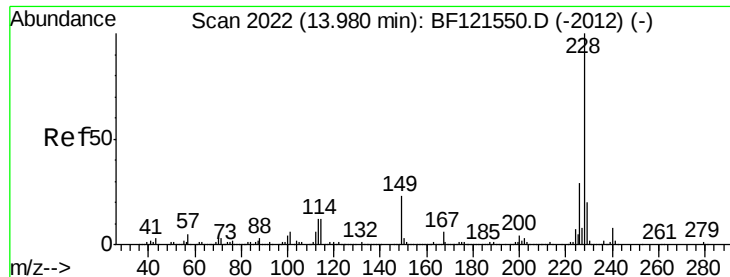
mohammad
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#80
 Butylbenzylphthalate
 Concen: 51.919 ng
 RT: 13.40 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.4	62.6	94.0
206	21.2	15.8	23.6





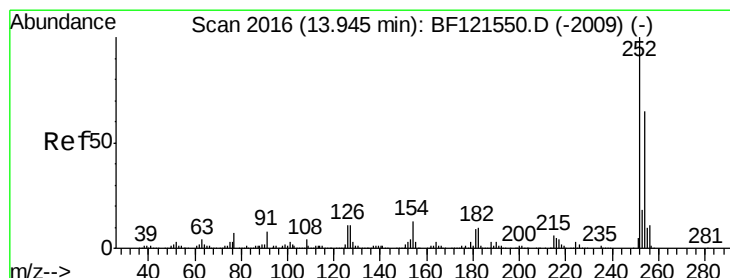
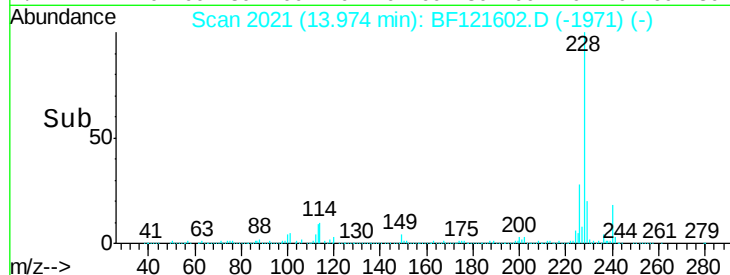
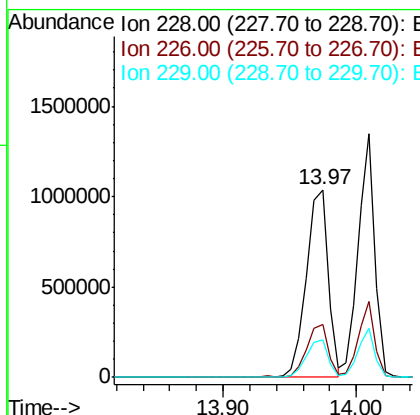
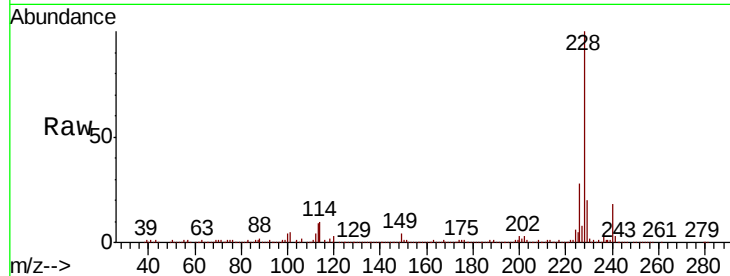
#81
Benzo(a)anthracene
Concen: 43.008 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.9	34.3
229	19.8	16.3	24.5

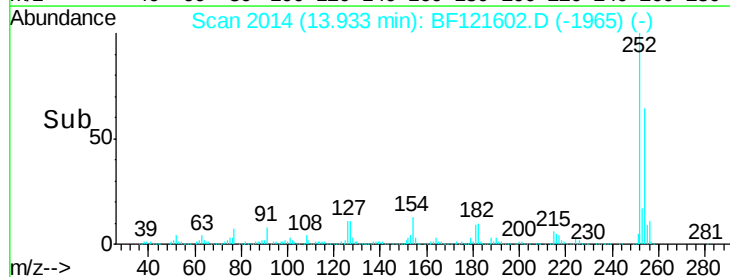
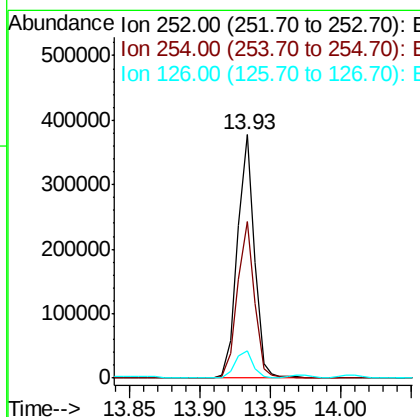
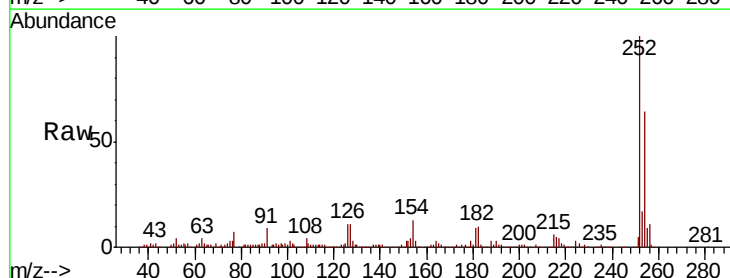
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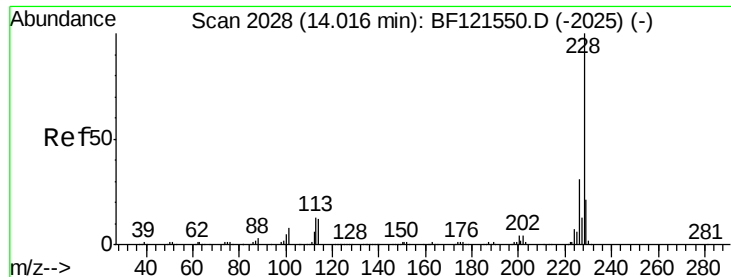
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#82
3,3'-Dichlorobenzidine
Concen: 30.370 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.3	78.5
126	11.0	9.1	13.7





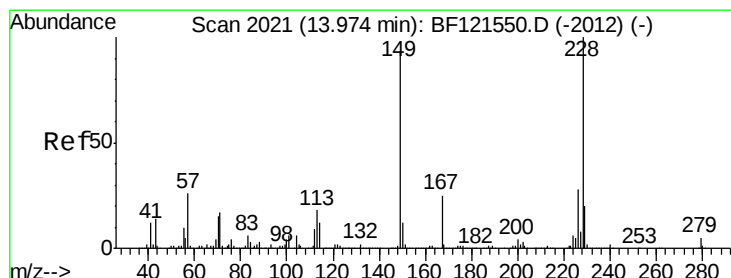
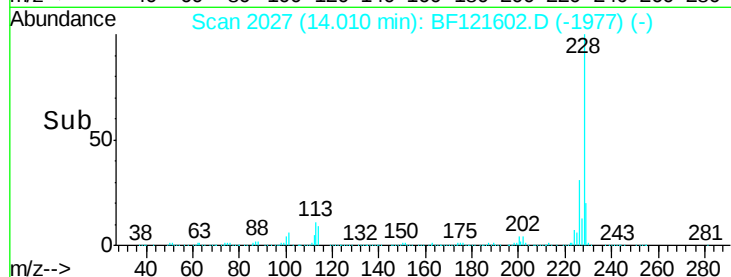
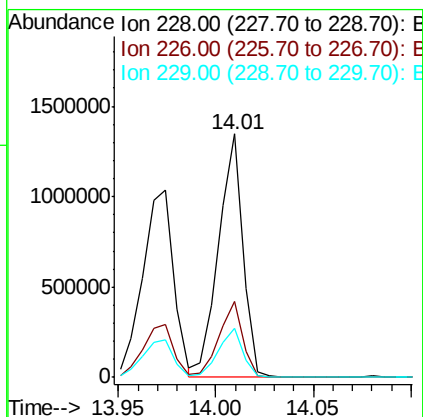
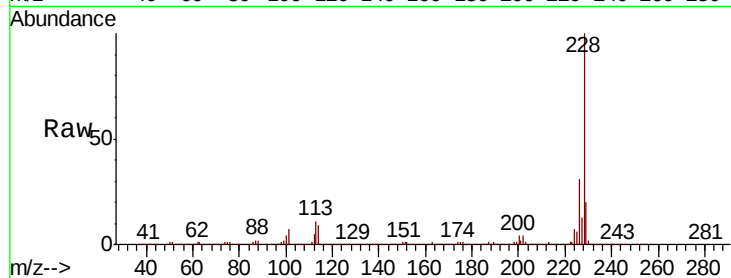
#83
Chrysene
Concen: 42.802 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.1	37.7
229	20.0	16.6	25.0

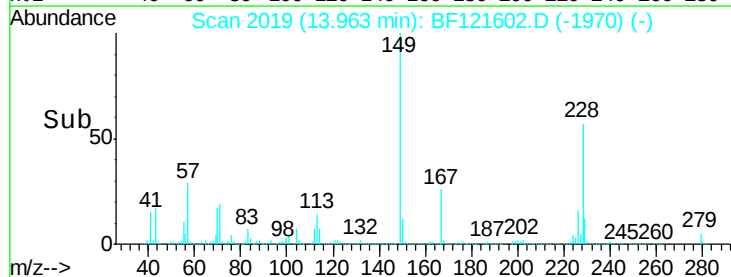
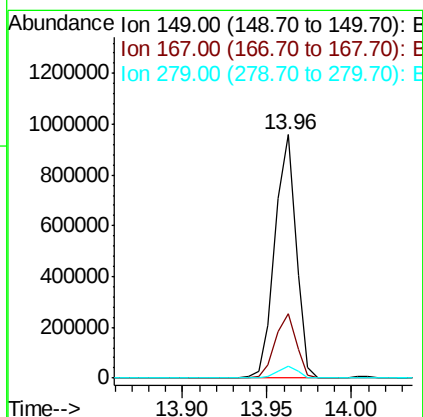
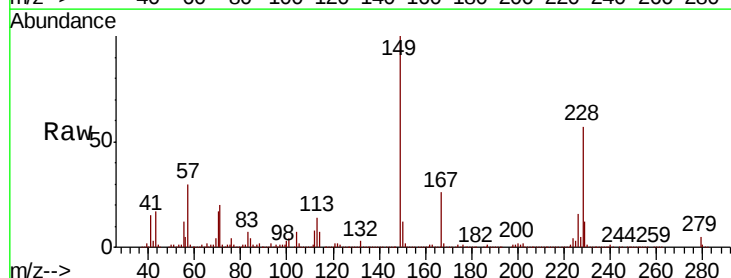
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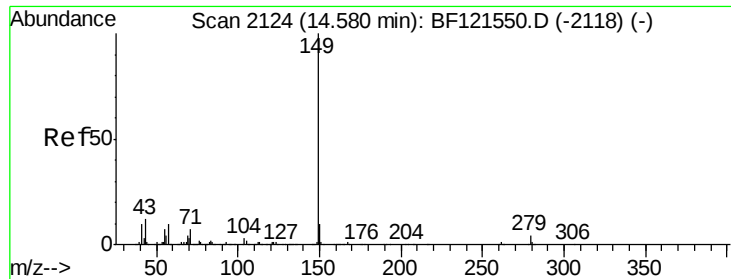
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 49.528 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.6	32.4
279	4.8	4.1	6.1





#85

Di-n-octyl phthalate

Concen: 45.297 ng

RT: 14.57 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BF121602.D

Acq: 17 Sep 2020 17:53

Instrument :

BNA_F

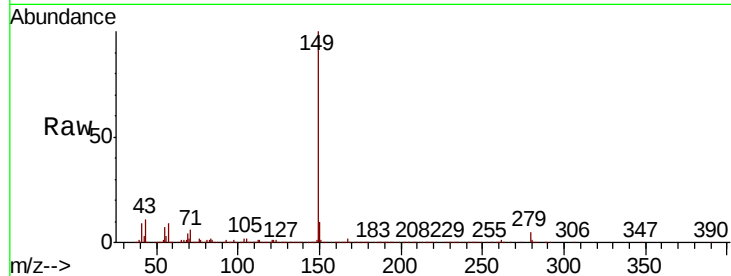
ClientSampleId :

SOIL-BORINGMS

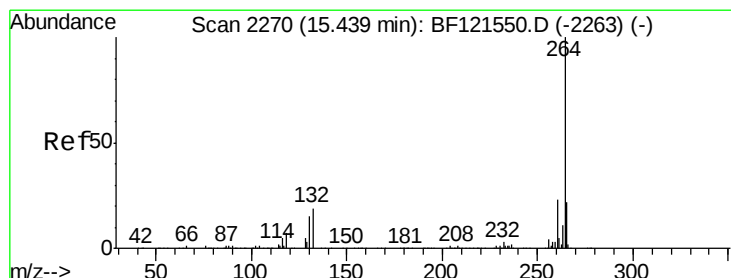
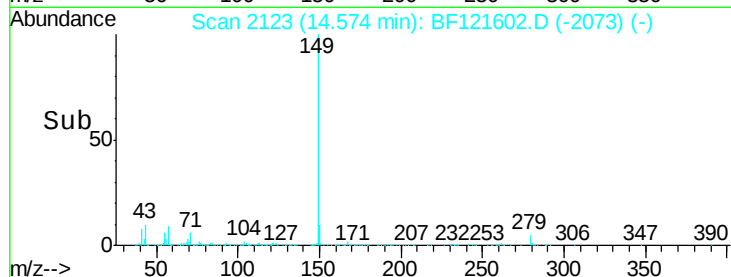
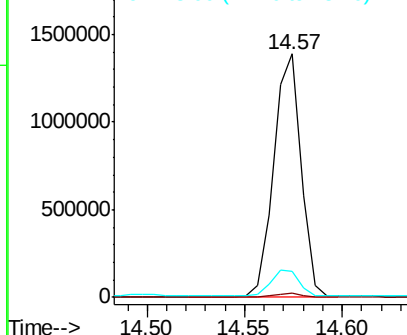
Tot Ion:	149	Resp:	1339321
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.2	9.4	14.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

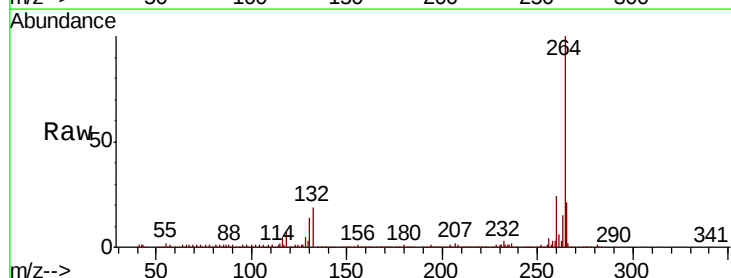
RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

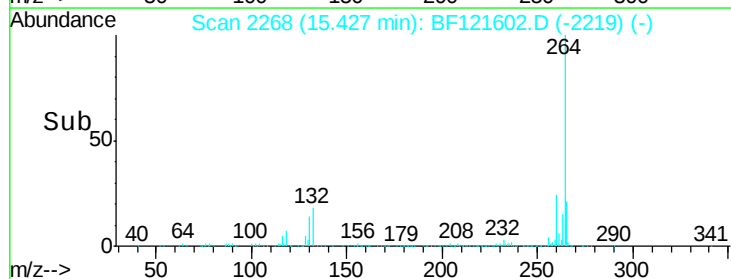
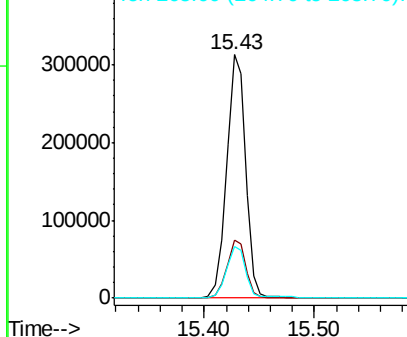
Lab File: BF121602.D

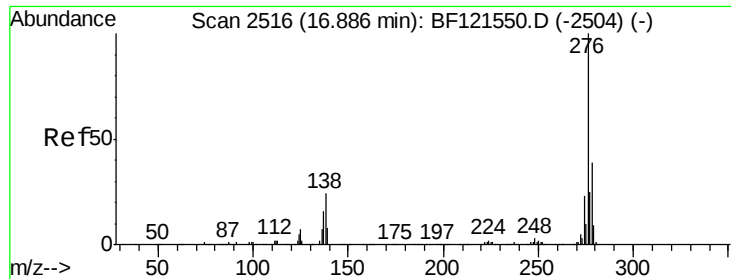
Acq: 17 Sep 2020 17:53

Tgt Ion:	264	Resp:	378211
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.4	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





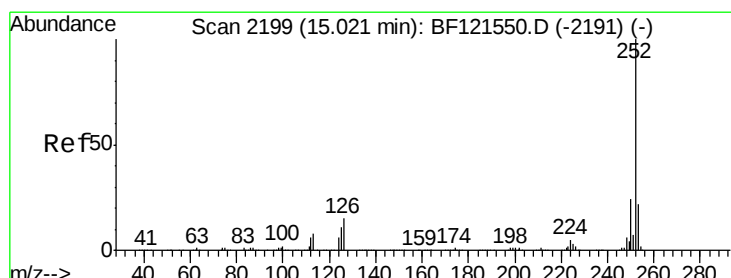
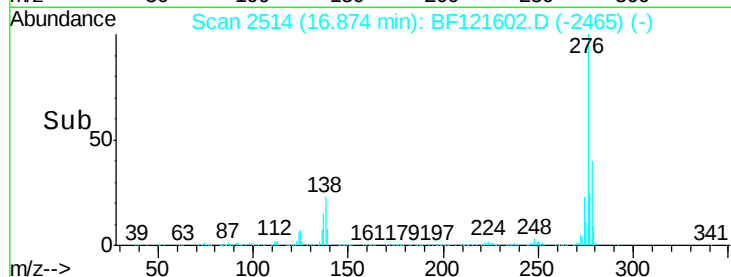
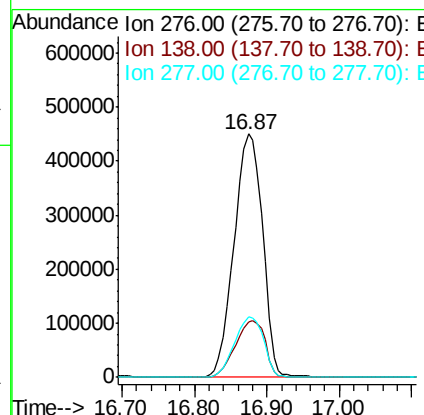
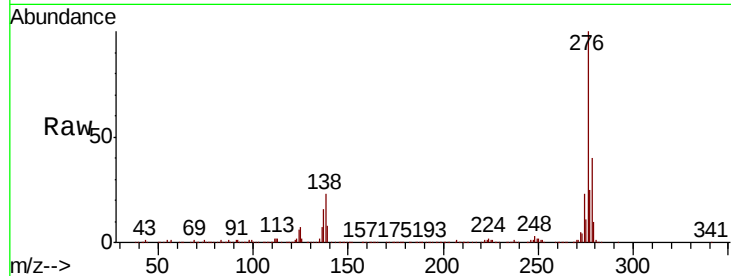
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 50.208 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.6	31.0
277	25.3	20.2	30.4

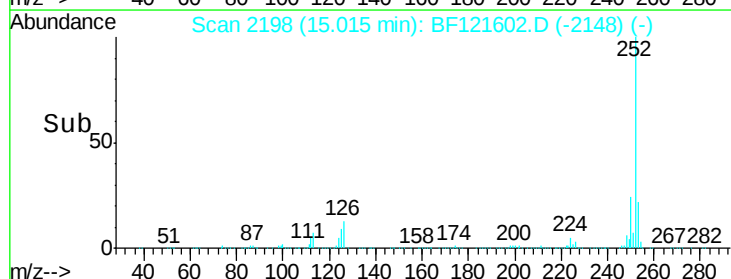
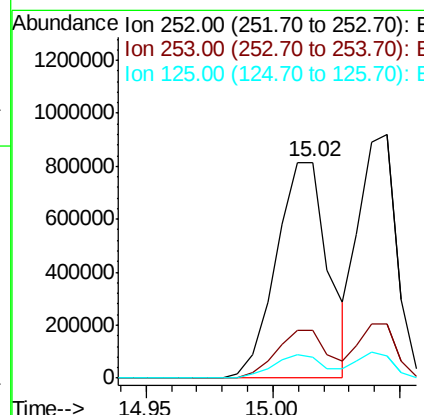
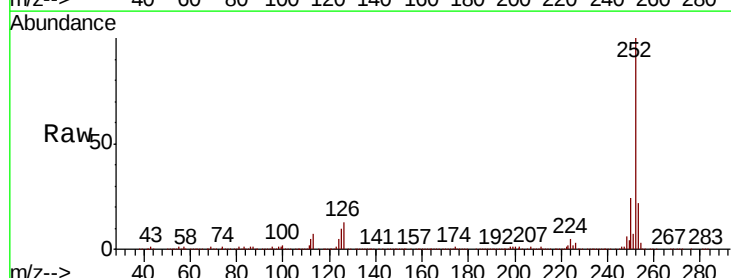
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#88
 Benzo(b)fluoranthene
 Concen: 46.010 ng
 RT: 15.02 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BF121602.D
 Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	9.7	9.2	13.8





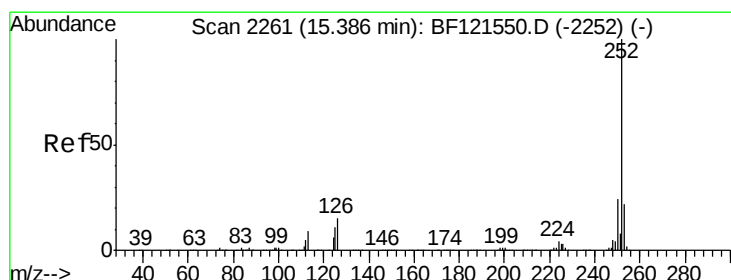
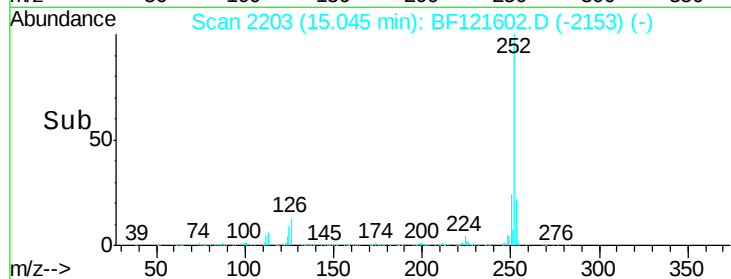
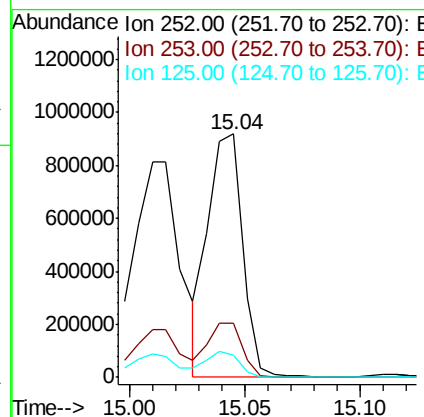
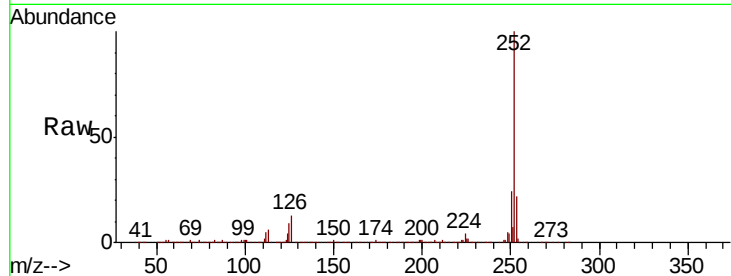
#89
Benzo(k)fluoranthene
Concen: 41.082 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	9.3	9.8	14.6

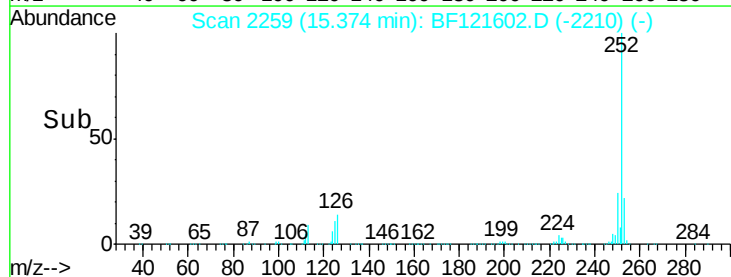
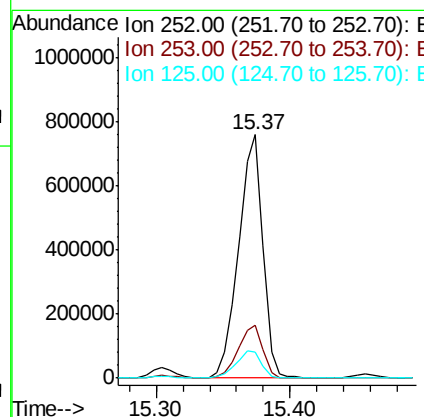
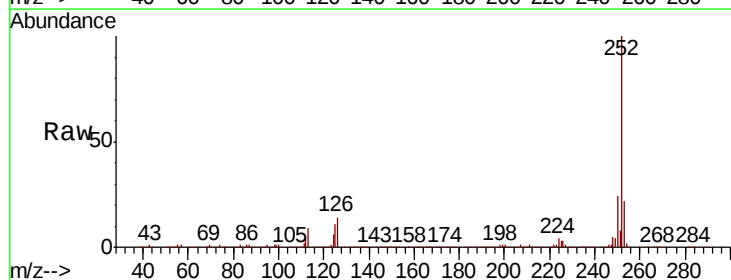
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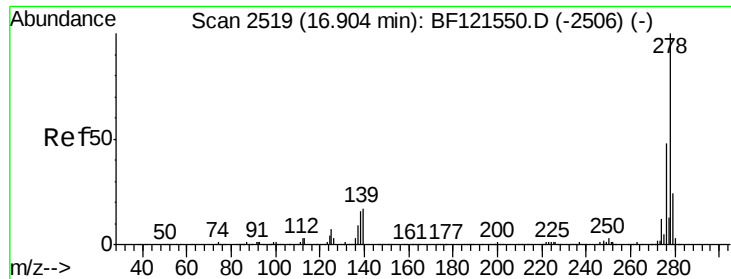
mohammad
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#90
Benzo(a)pyrene
Concen: 44.690 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.9	9.0	13.4





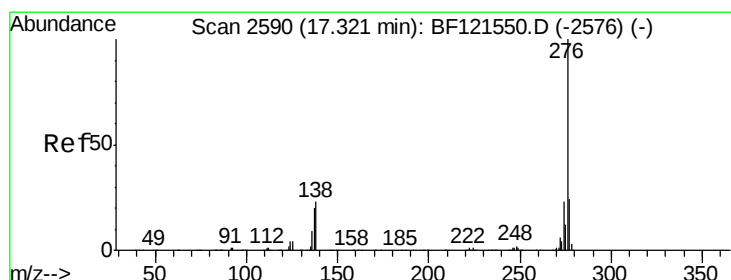
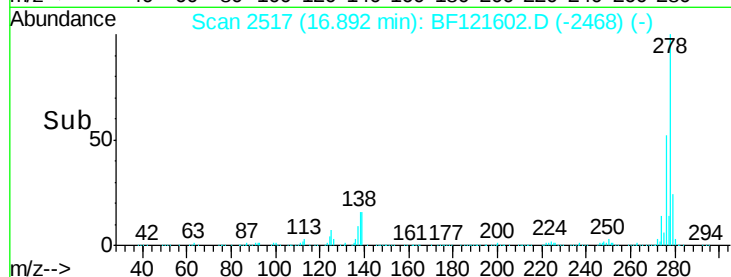
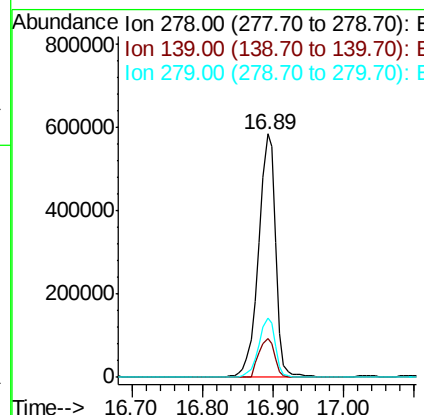
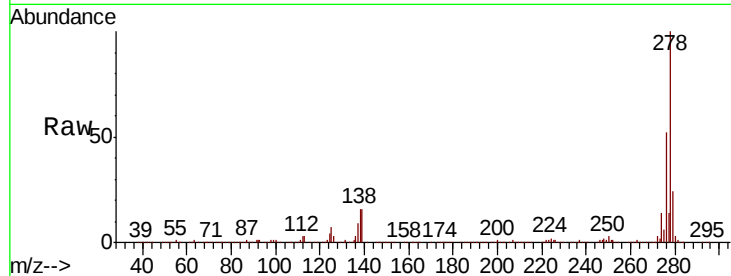
#91
Dibenzo(a,h)anthracene
Concen: 48.386 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.9	20.9
279	24.2	19.2	28.8

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#92
Benzo(g,h,i)perylene
Concen: 52.783 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.01 min
Lab File: BF121602.D
Acq: 17 Sep 2020 17:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	20.9	18.7	28.1

