

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
 Data File : BF121603.D
 Acq On : 17 Sep 2020 18:24
 Operator : JU/CG
 Sample : L4032-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Manual Integrations
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mohammad
 9/21/2020 10:32:23 AM

Quant Time: Sep 18 08:59:30 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	199376	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	779500	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	399269	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	708514	20.00	ng	0.00
76) Chrysene-d12	13.98	240	416358	20.00	ng	-0.01
86) Perylene-d12	15.43	264	382117	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1373827	102.40	ng	0.02
7) Phenol-d6	6.47	99	1818985	103.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	1288497	88.75	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	575266	115.93	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	2127478	80.70	ng	0.00
79) Terphenyl-d14	12.93	244	1922311	93.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	233354	37.861	ng	99
3) Pyridine	3.42	79	685732	40.245	ng	100
4) n-Nitrosodimethylamine	3.38	42	333769	42.231	ng	99
6) Aniline	6.49	93	593231	25.879	ng	# 37
8) 2-Chlorophenol	6.62	128	605985	44.365	ng	95
9) Benzaldehyde	6.37	77	264515	22.989	ng	98
10) Phenol	6.48	94	735855	39.261	ng	79
11) bis(2-Chloroethyl)ether	6.56	93	612274	43.343	ng	98
12) 1,3-Dichlorobenzene	6.76	146	629898	41.316	ng	96
13) 1,4-Dichlorobenzene	6.84	146	635057	41.484	ng	98
14) 1,2-Dichlorobenzene	6.99	146	617483	43.786	ng	99
15) Benzyl Alcohol	6.97	79	543670	45.446	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	913510	40.187	ng	85
17) 2-Methylphenol	7.09	107	493117	42.429	ng	93
18) Hexachloroethane	7.33	117	236059	43.066	ng	98
19) n-Nitroso-di-n-propylamine	7.25	70	420771	41.481	ng	99
20) 3+4-Methylphenols	7.24	107	564557	40.430	ng	91
22) Acetophenone	7.23	105	781953	39.538	ng	95
24) Nitrobenzene	7.41	77	649270	41.349	ng	99
25) Isophorone	7.65	82	1191152	40.758	ng	99
26) 2-Nitrophenol	7.72	139	323163	43.946	ng	92
27) 2,4-Dimethylphenol	7.77	122	526958	40.394	ng	100
28) bis(2-Chloroethoxy)methane	7.86	93	750622	41.488	ng	99
29) 2,4-Dichlorophenol	7.97	162	493942	41.571	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	520720	41.612	ng	99
31) Naphthalene	8.13	128	1664037	40.440	ng	100
32) Benzoic acid	7.92	122	398518	41.964	ng	96
33) 4-Chloroaniline	8.17	127	397228	22.270	ng	98
34) Hexachlorobutadiene	8.25	225	311048	42.347	ng	99
35) Caprolactam	8.56	113	170277m	43.034	ng	
36) 4-Chloro-3-methylphenol	8.67	107	537118	41.963	ng	100
37) 2-Methylnaphthalene	8.82	142	1091136	40.463	ng	99
38) 1-Methylnaphthalene	8.92	142	1011876	40.319	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	503019	40.332	ng	99

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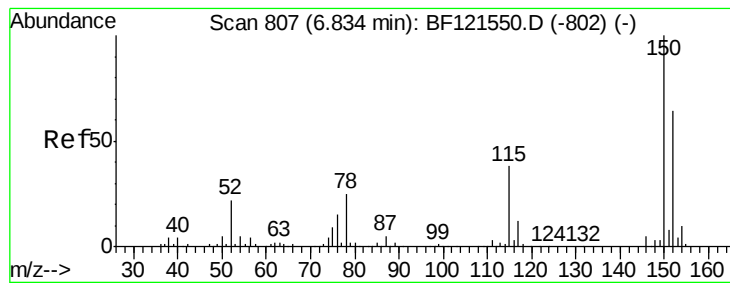
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	463392	65.062	nq	99
43) 2,4,6-Trichlorophenol	9.10	196	362266	42.615	nq	100
44) 2,4,5-Trichlorophenol	9.15	196	374797	41.705	nq	94
46) 1,1'-Biphenyl	9.29	154	1279015	40.014	nq	99
47) 2-Chloronaphthalene	9.31	162	1013812	40.249	nq	100
48) 2-Nitroaniline	9.40	65	356626	45.562	nq	98
49) Acenaphthylene	9.73	152	1565354	40.447	nq	100
50) Dimethylphthalate	9.59	163	1434681	49.577	nq	99
51) 2,6-Dinitrotoluene	9.65	165	277484	45.025	nq	95
52) Acenaphthene	9.90	154	1042067m	42.630	nq	
53) 3-Nitroaniline	9.82	138	187237	26.226	nq	96
54) 2,4-Dinitrophenol	9.93	184	229880	66.405	nq	98
55) Dibenzofuran	10.07	168	1373014	39.885	nq	99
56) 4-Nitrophenol	9.99	139	451775	79.347	nq	98
57) 2,4-Dinitrotoluene	10.05	165	362975	46.815	nq	94
58) Fluorene	10.41	166	1046983	39.771	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.19	232	314158	42.999	nq	97
60) Diethylphthalate	10.29	149	1189644	42.165	nq	100
61) 4-Chlorophenyl-phenylether	10.40	204	518824	41.142	nq	97
62) 4-Nitroaniline	10.43	138	253516	35.763	nq	99
63) Azobenzene	10.56	77	1185966	39.472	nq	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	160326	38.464	nq	87
66) n-Nitrosodiphenylamine	10.52	169	1010153	41.557	nq	99
67) 4-Bromophenyl-phenylether	10.89	248	350881	43.497	nq	95
68) Hexachlorobenzene	10.96	284	386196	42.423	nq	98
69) Atrazine	11.05	200	238006	39.411	nq	98
70) Pentachlorophenol	11.16	266	409162	81.840	nq	99
71) Phenanthrene	11.37	178	1563530	40.503	nq	100
72) Anthracene	11.42	178	1579829	39.658	nq	100
73) Carbazole	11.58	167	1402748	39.021	nq	99
74) Di-n-butylphthalate	11.91	149	1716375	41.368	nq	100
75) Fluoranthene	12.56	202	1597556	38.768	nq	98
77) Benzidine	12.67	184	551345	39.944	nq	100
78) Pyrene	12.79	202	1554862	51.113	nq	100
80) Butylbenzylphthalate	13.40	149	653338	53.104	nq	96
81) Benzo(a)anthracene	13.97	228	1130707	42.926	nq	100
82) 3,3'-Dichlorobenzidine	13.93	252	365282	35.521	nq	99
83) Chrysene	14.01	228	1148792	43.069	nq	100
84) Bis(2-ethylhexyl)phthalate	13.96	149	831678	50.602	nq	100
85) Di-n-octyl phthalate	14.57	149	1346649	46.427	nq	99
87) Indeno(1,2,3-cd)pyrene	16.87	276	1280676	51.464	nq	98
88) Benzo(b)fluoranthene	15.02	252	1151824	45.090	nq	99
89) Benzo(k)fluoranthene	15.04	252	1001649m	42.819	nq	
90) Benzo(a)pyrene	15.37	252	981406	45.197	nq	100
91) Dibenzo(a,h)anthracene	16.90	278	1015921	49.043	nq	97
92) Benzo(g,h,i)perylene	17.32	276	1083499	53.212	nq	96

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



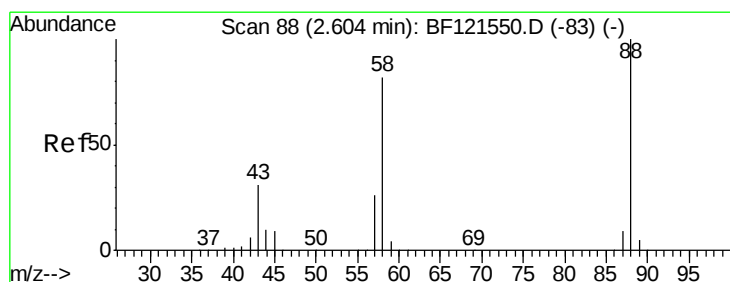
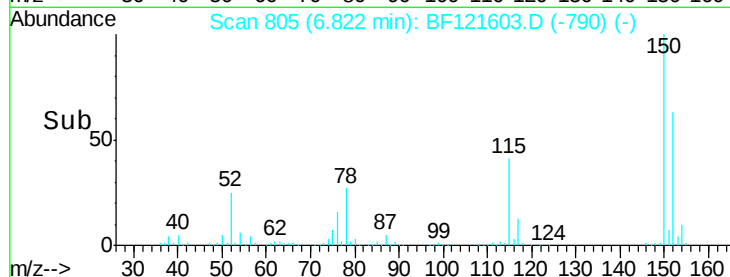
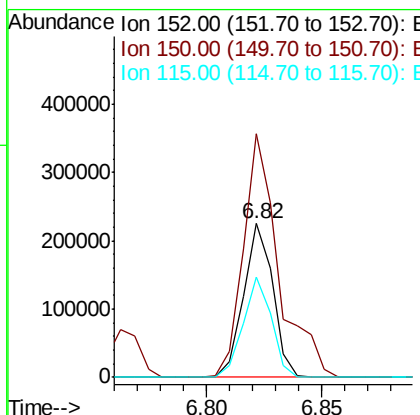
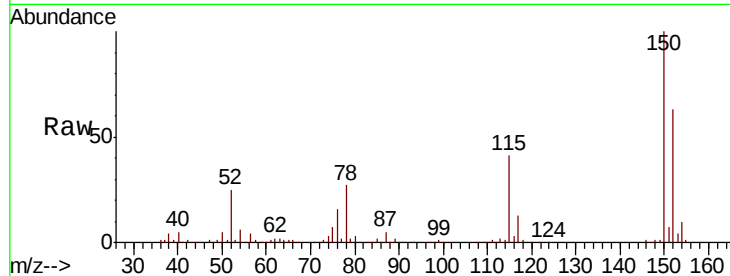
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
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 SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.8	188.6
115	64.9	47.8	71.8

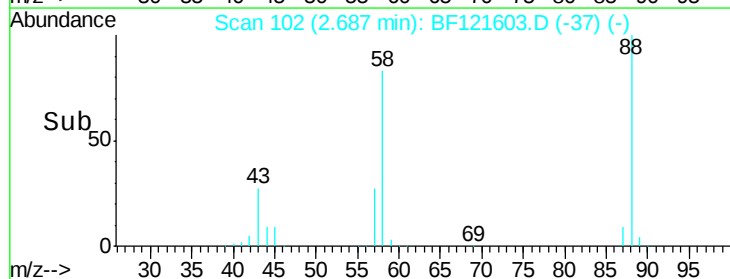
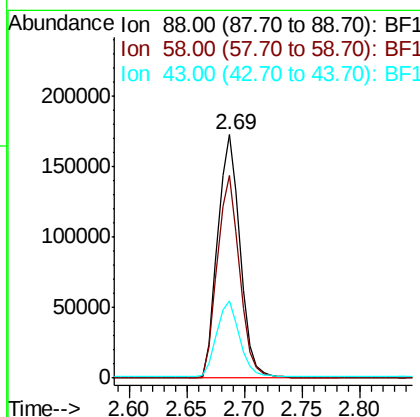
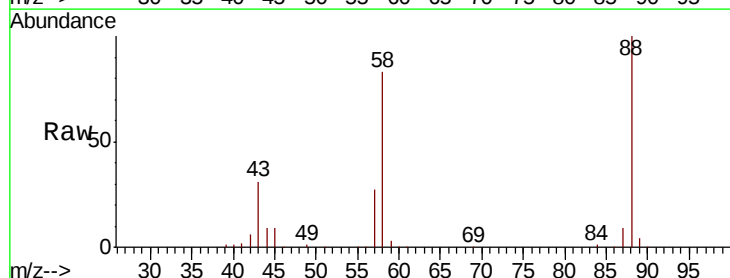
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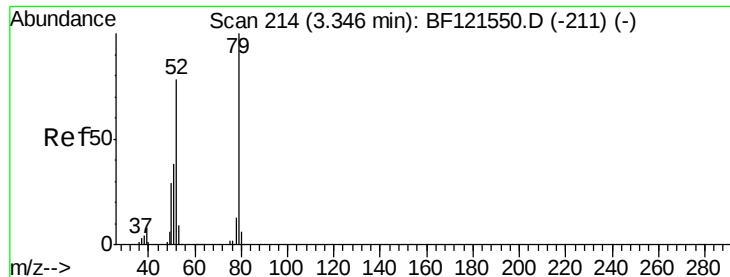
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#2
 1,4-Dioxane
 Concen: 37.861 ng
 RT: 2.69 min Scan# 102
 Delta R.T. 0.08 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.1	65.1	97.7
43	31.1	25.0	37.4





#3

Pvridine

Concen: 40.245 ng

RT: 3.42 min Scan# 227

Delta R.T. 0.08 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

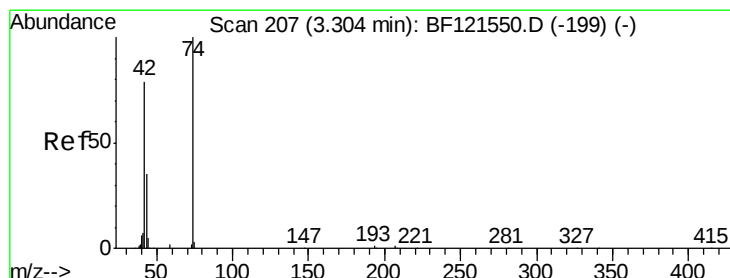
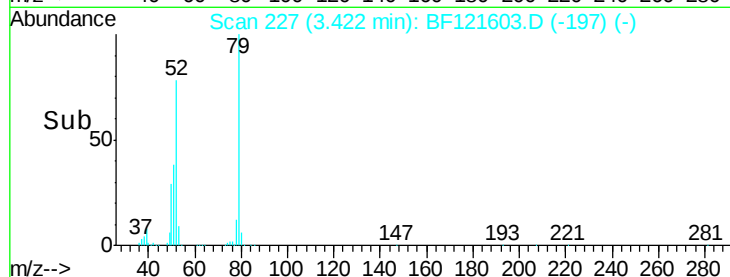
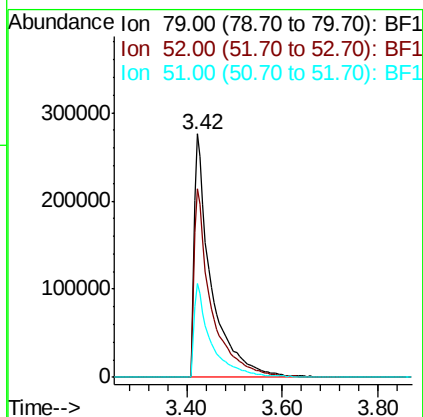
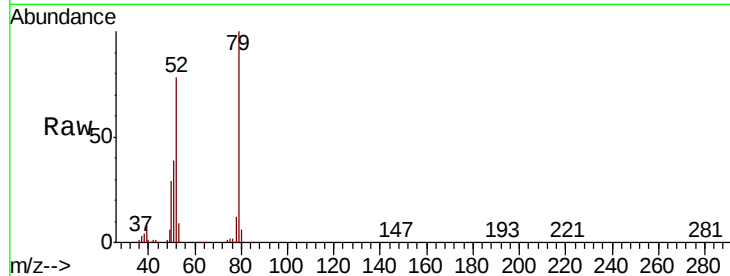
ClientSampleId :

SOIL-BORINGMSD

Tot Ion:	79	Resp:	685732
Ion Ratio	Lower	Upper	
79	100		
52	77.6	62.2	93.2
51	38.5	30.6	45.8

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#4

n-Nitrosodimethylamine

Concen: 42.231 ng

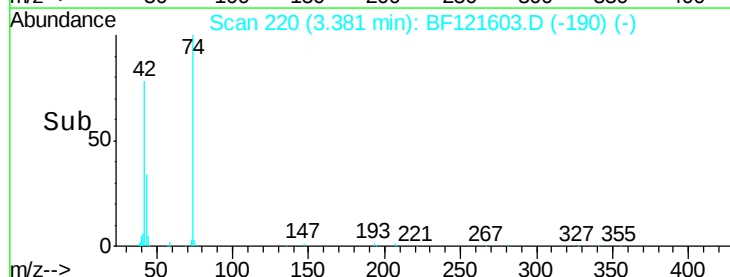
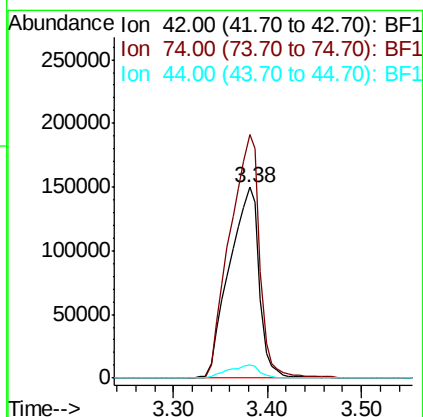
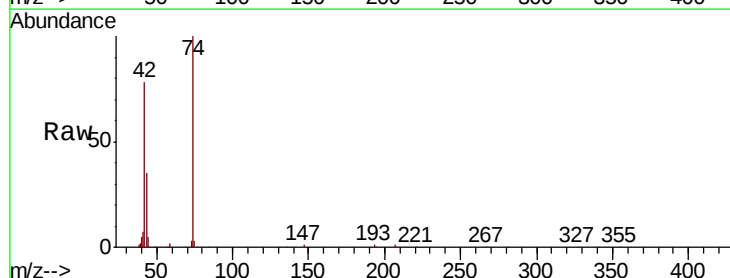
RT: 3.38 min Scan# 220

Delta R.T. 0.08 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:	42	Resp:	333769
Ion Ratio	Lower	Upper	
42	100		
74	127.8	101.7	152.5
44	6.7	5.4	8.2





#5

2-Fluorophenol

Concen: 102.403 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.02 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

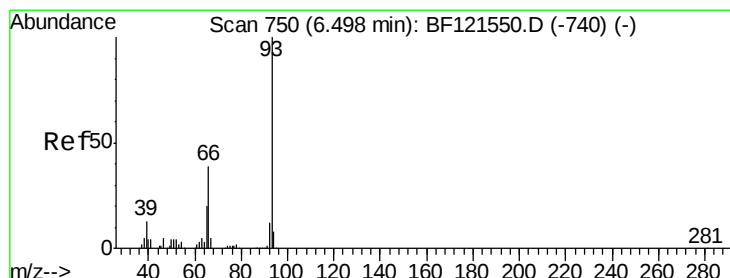
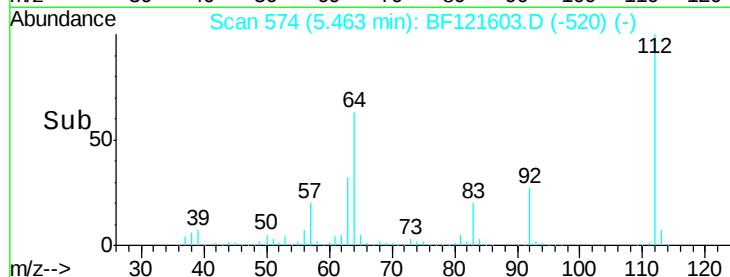
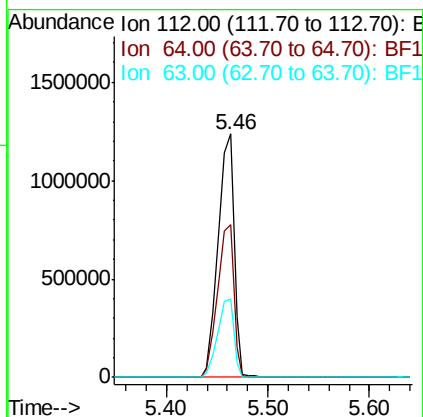
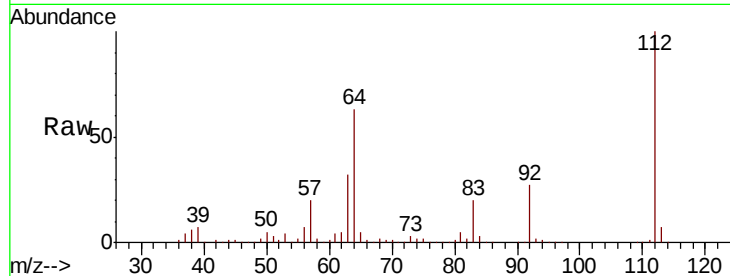
ClientSampleId :

SOIL-BORINGMSD

Tot Ion:	112	Resp:	1373827
Ion	Ratio	Lower	Upper
112	100		
64	62.6	50.3	75.5
63	32.3	25.6	38.4

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#6

Aniline

Concen: 25.879 ng

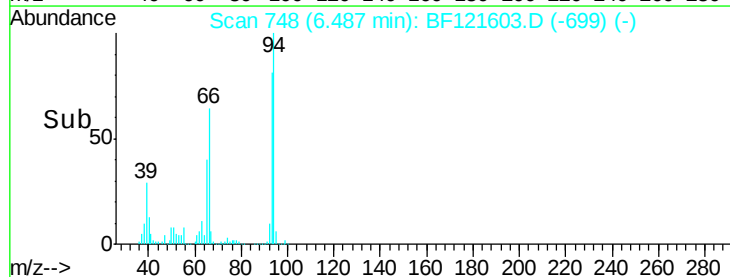
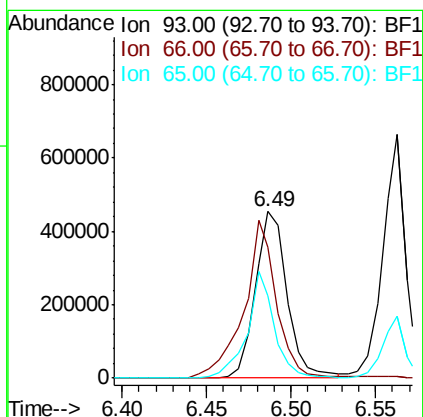
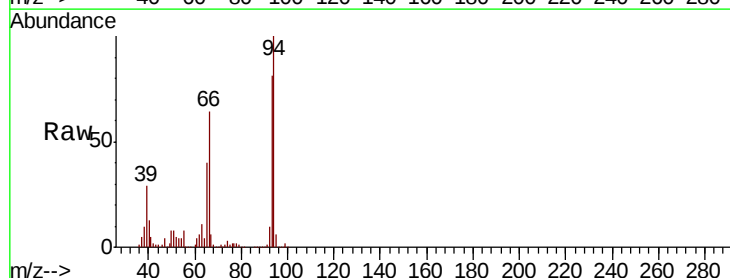
RT: 6.49 min Scan# 748

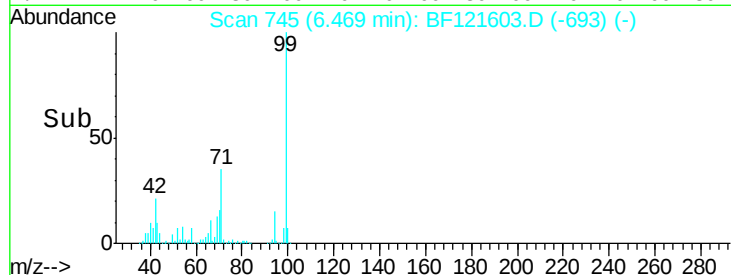
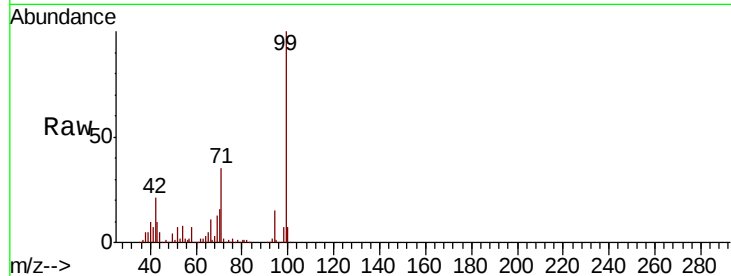
Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:	93	Resp:	593231
Ion	Ratio	Lower	Upper
93	100		
66	78.7	31.8	47.8#
65	49.6	16.2	24.2#





#7

Phenol-d6

Concen: 103.347 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tot Ion: 99 Resp: 1818985

Ion Ratio Lower Upper

99 100

42 20.6 15.5 23.3

71 35.4 26.1 39.1

Instrument :

BNA_F

ClientSampleId :

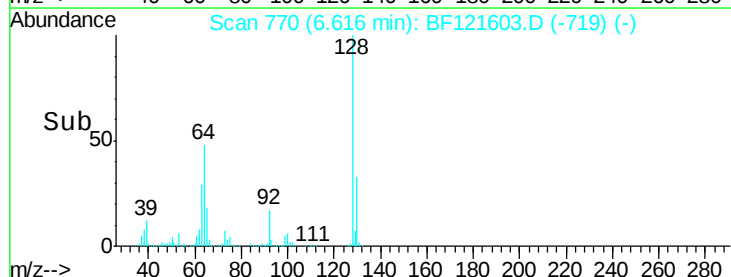
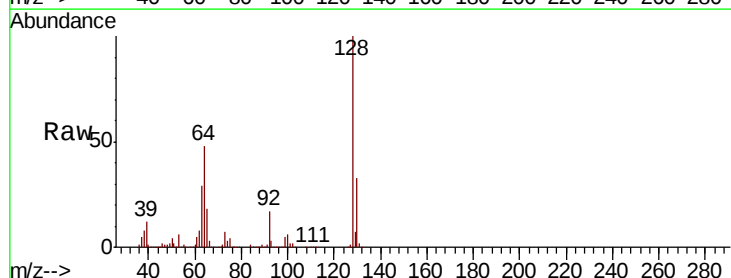
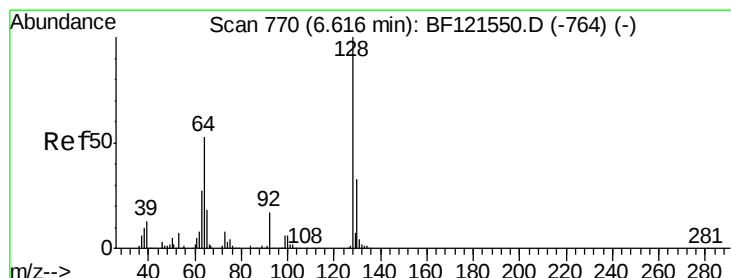
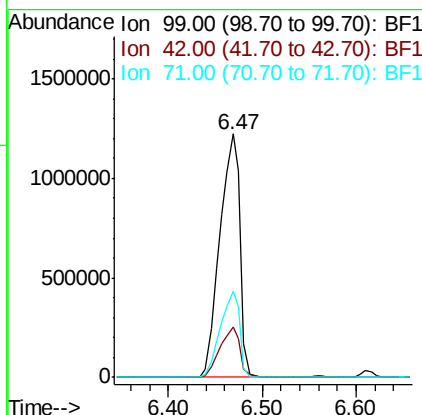
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#8

2-Chlorophenol

Concen: 44.365 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

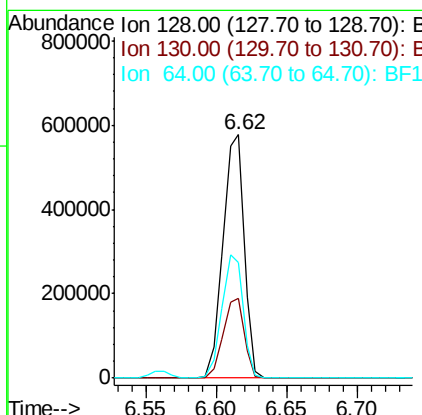
Tgt Ion:128 Resp: 605985

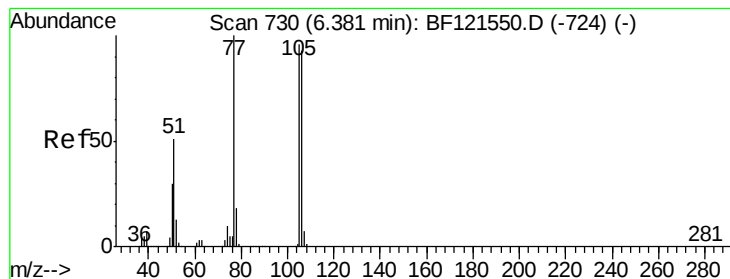
Ion Ratio Lower Upper

128 100

130 32.9 12.6 52.6

64 47.6 33.1 73.1





#9

Benzaldehyde

Concen: 22.989 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

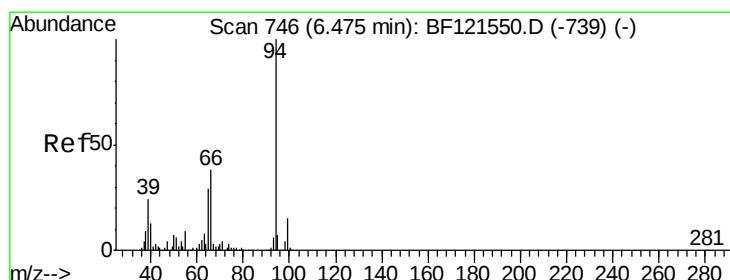
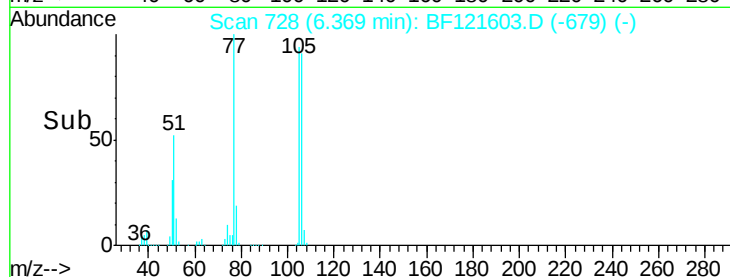
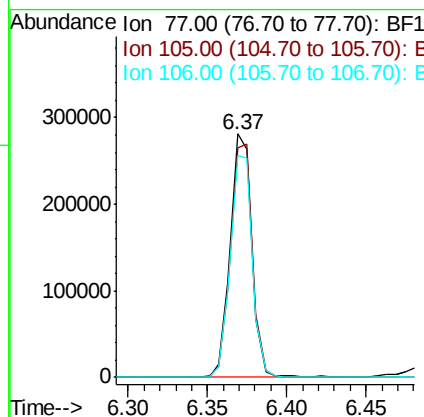
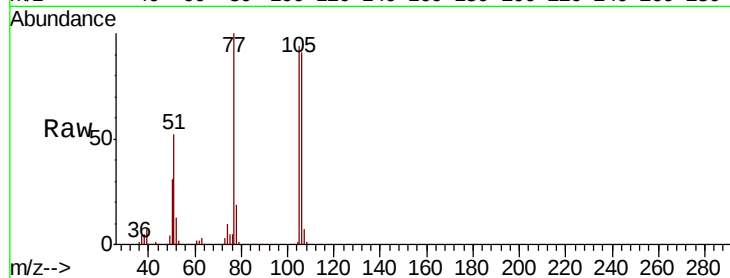
ClientSampleId :

SOIL-BORINGMSD

Tot Ion:	77	Resp:	264515
Ion Ratio	Lower	Upper	
77	100		
105	94.0	76.4	116.4
106	91.1	73.5	113.5

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#10

Phenol

Concen: 39.261 ng

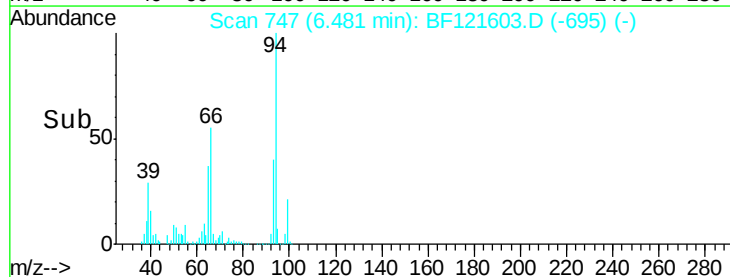
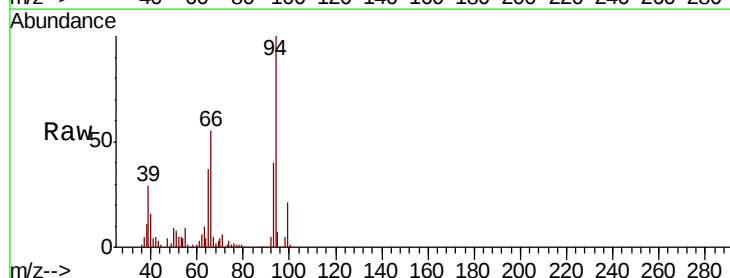
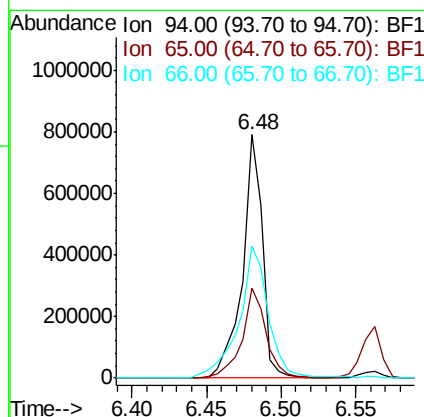
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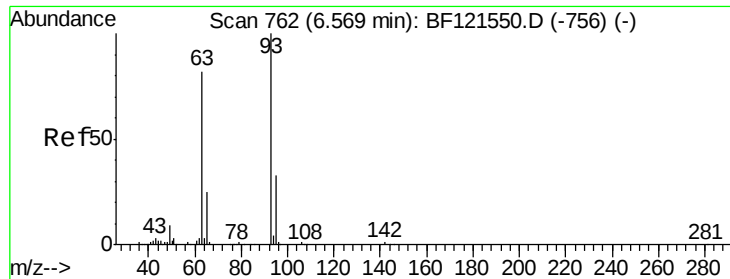
Delta R.T. 0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:	94	Resp:	735855
Ion Ratio	Lower	Upper	
94	100		
65	36.8	9.4	49.4
66	54.6	18.3	58.3





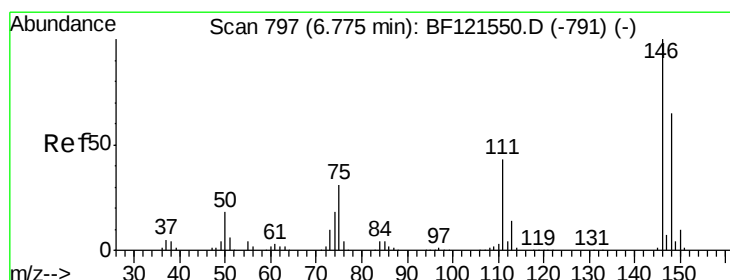
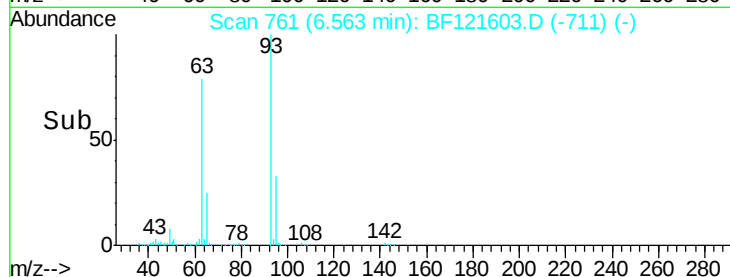
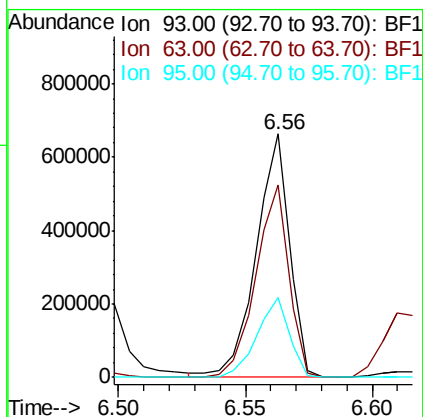
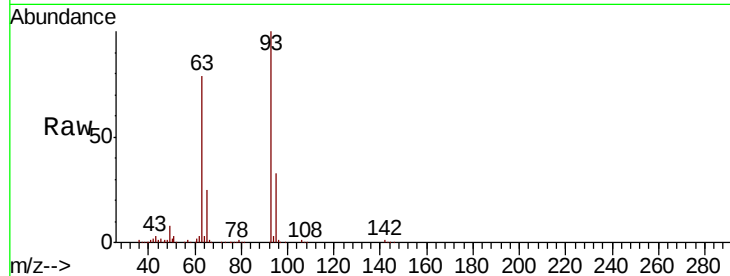
#11
bis(2-Chloroethyl)ether
Concen: 43.343 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.9	61.7	101.7
95	32.7	12.7	52.7

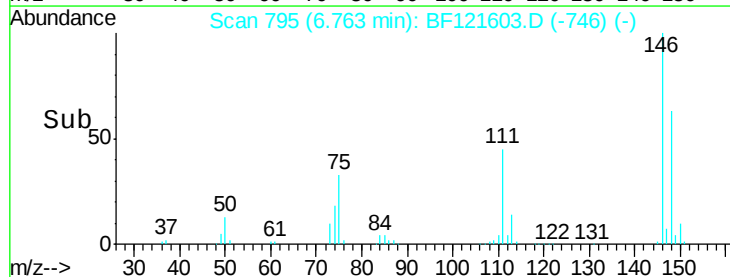
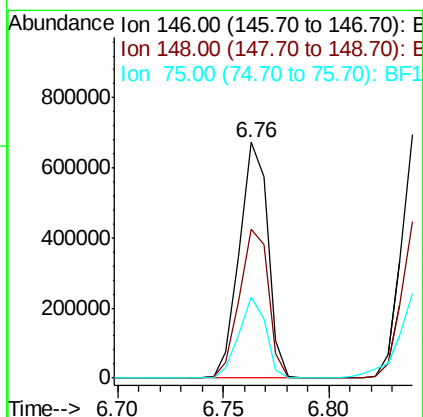
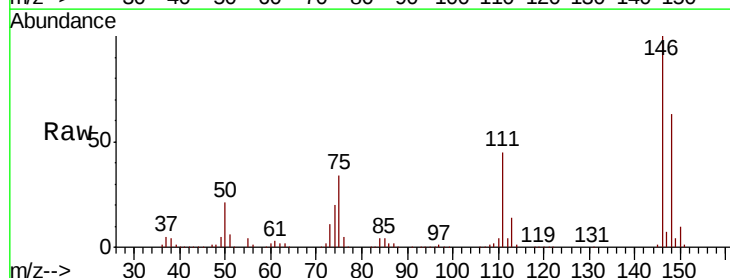
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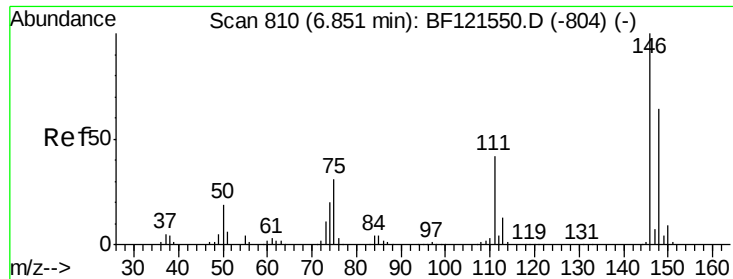
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.316 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.8	77.8
75	34.2	24.6	36.8





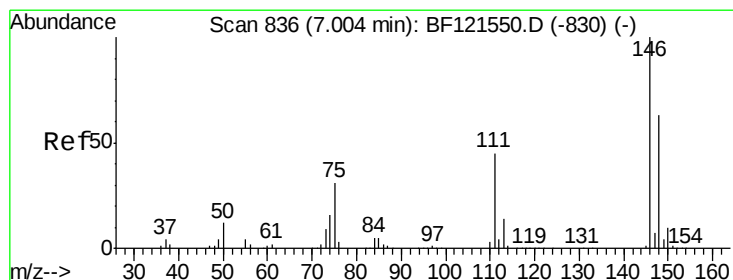
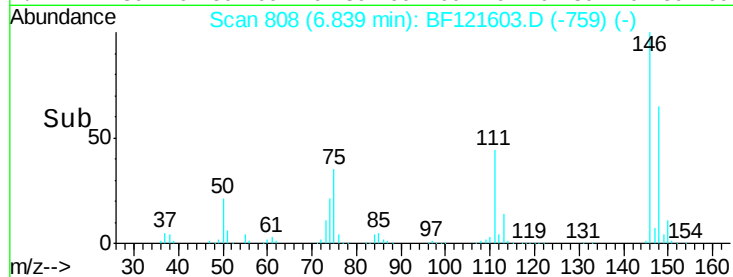
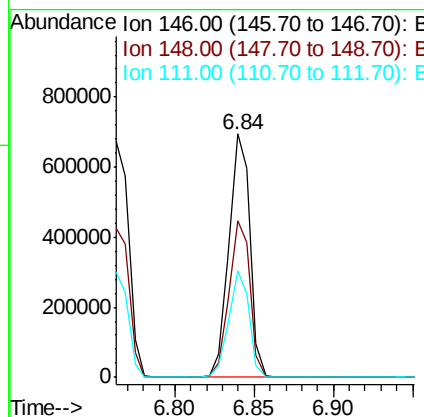
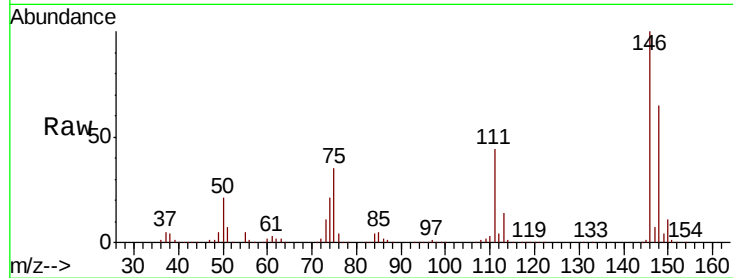
#13
1,4-Dichlorobenzene
Concen: 41.484 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
111	44.0	33.4	50.0

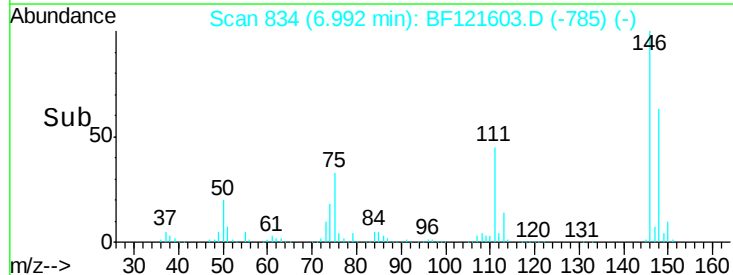
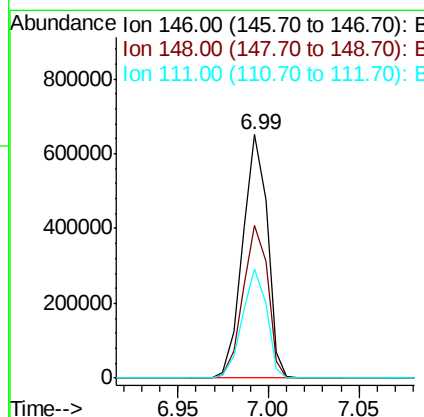
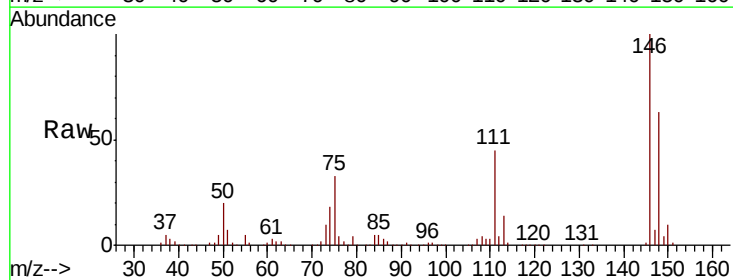
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#14
1,2-Dichlorobenzene
Concen: 43.786 ng
RT: 6.99 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.7	76.1
111	45.0	35.8	53.6





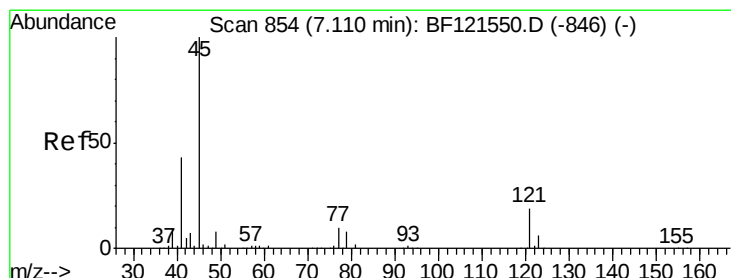
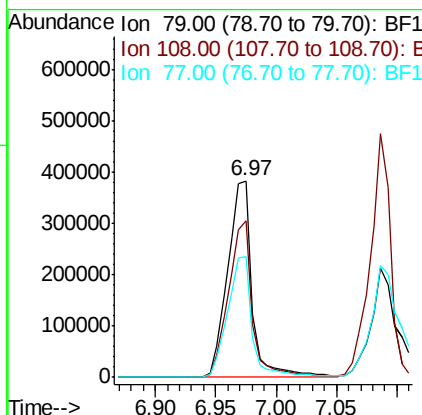
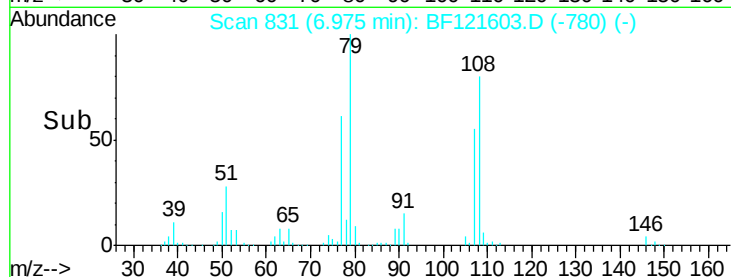
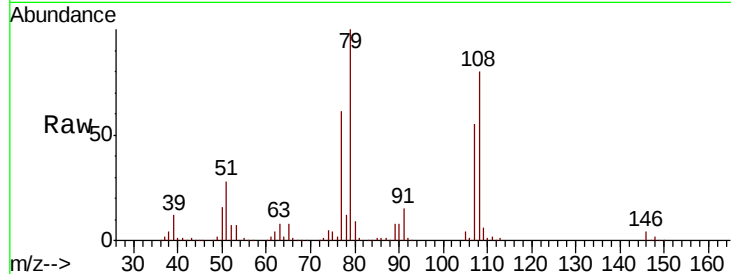
#15
Benzyl Alcohol
Concen: 45.446 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	79.6	63.1	94.7
77	61.5	50.2	75.2

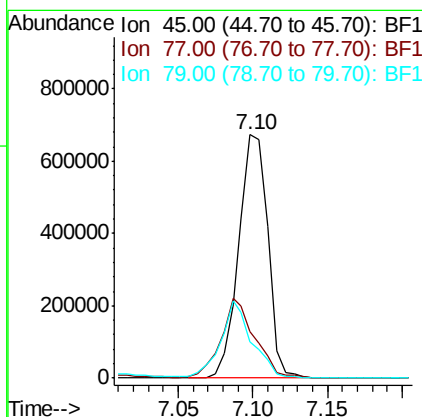
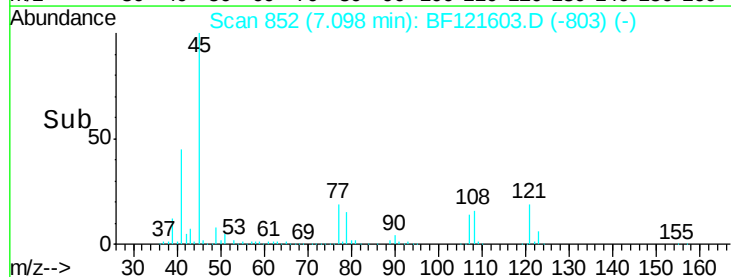
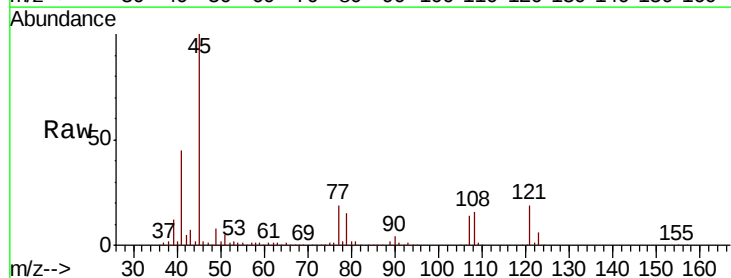
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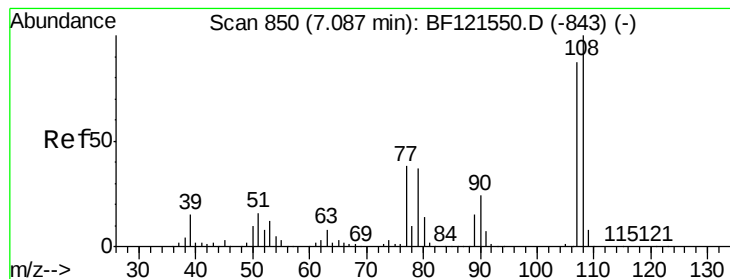
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.187 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
45	100		
77	18.9	0.0	32.5
79	15.0	0.0	29.8





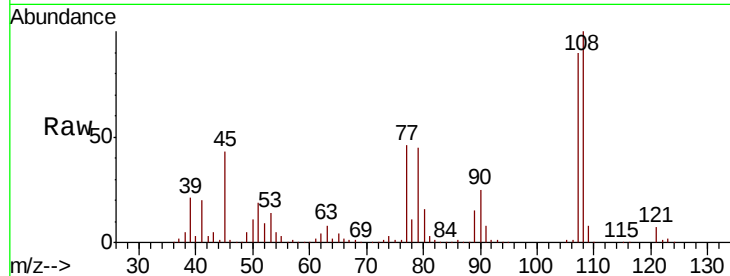
#17
2-Methylphenol
Concen: 42.429 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	107	Resp	493117
Ion Ratio	Lower	Upper	
107	100		
108	111.5	92.1	138.1
77	51.4	35.5	53.3
79	49.9	34.5	51.7

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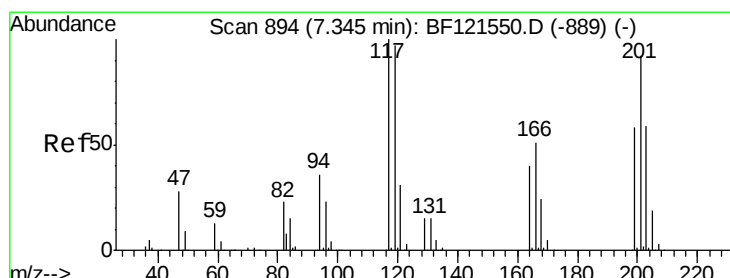
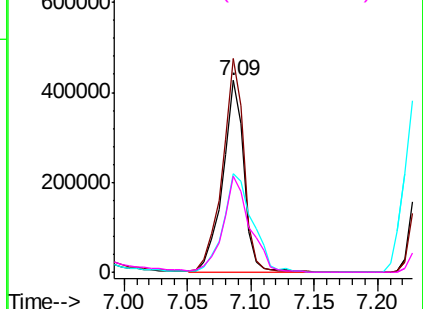
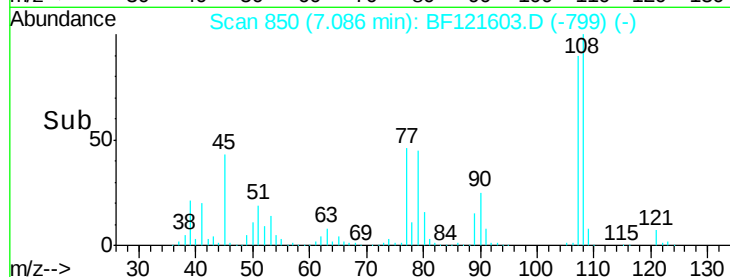
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

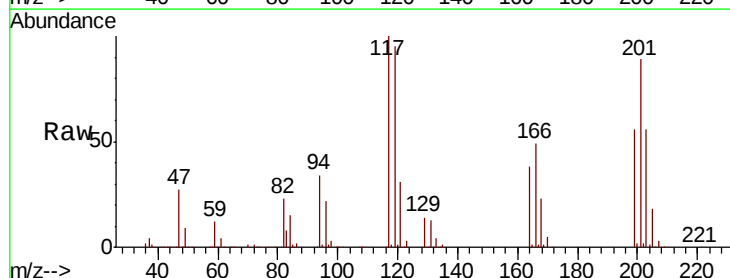
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 43.066 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	117	Resp	236059
Ion Ratio	Lower	Upper	
117	100		
119	95.4	77.2	115.8
201	88.9	73.7	110.5

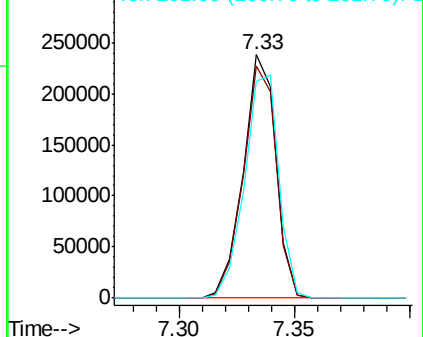
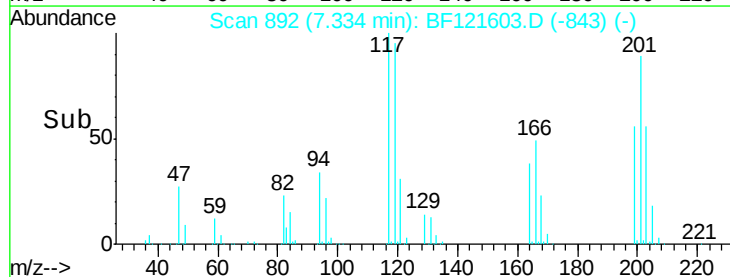


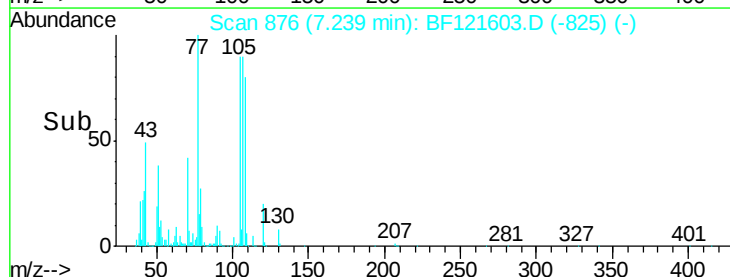
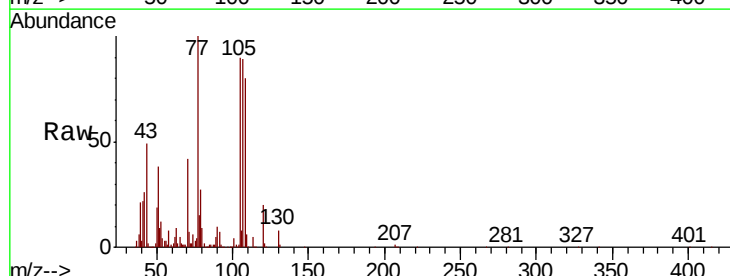
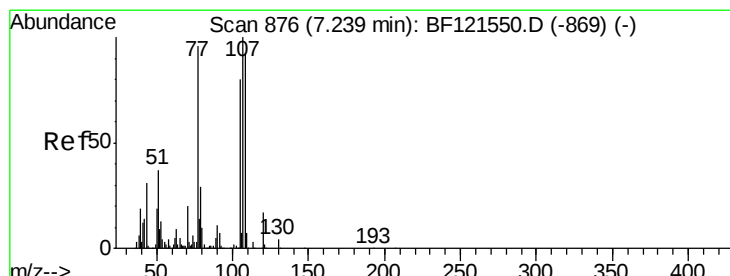
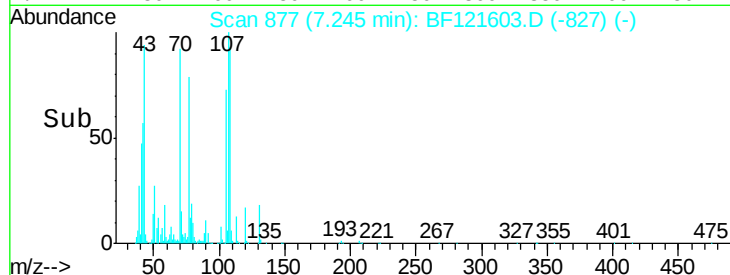
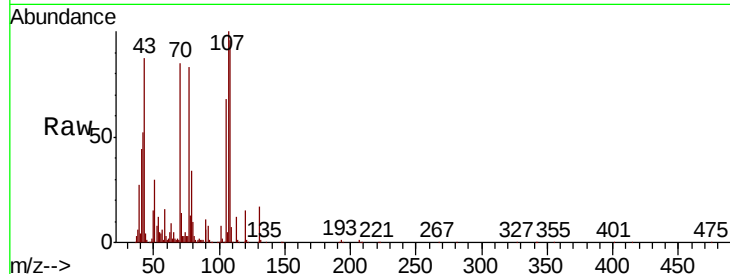
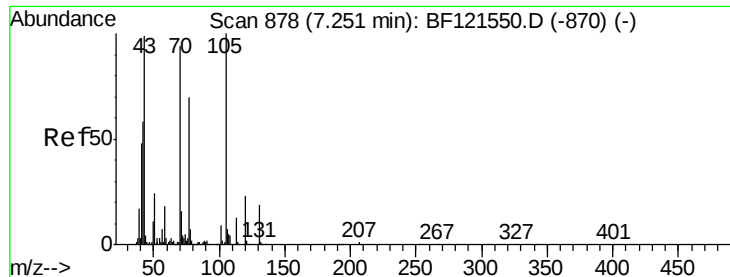
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

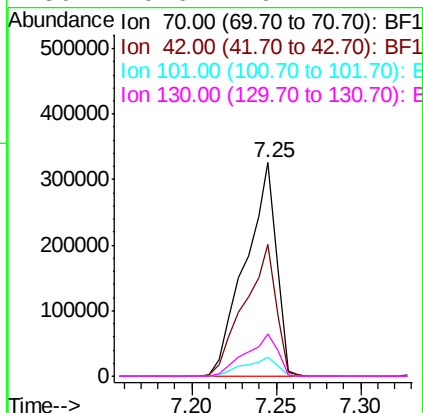
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 41.481 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	61.5	49.4	74.2		
101	9.1	7.6	11.4		
130	19.6	16.2	24.4		



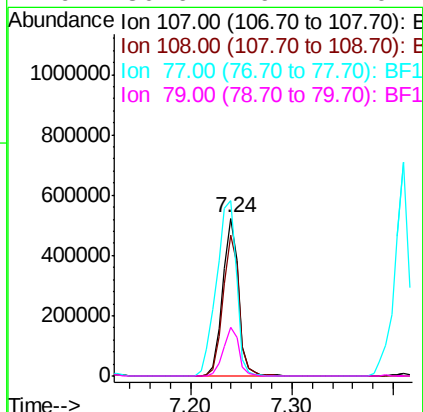
Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

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#20
3+4-Methylphenols
Concen: 40.430 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	89.5	71.8	111.8		
77	111.7	75.5	115.5		
79	30.6	9.2	49.2		





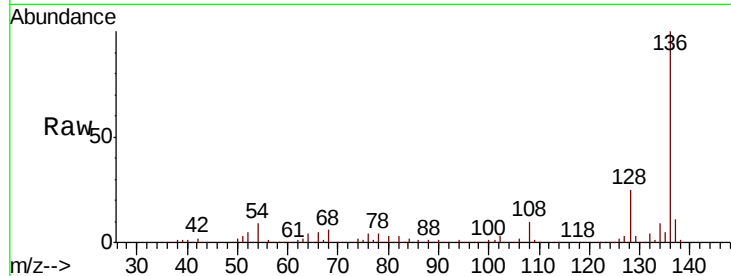
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	779500		
137	11.0		9.0	13.6
54	8.9		7.6	11.4
68	6.4		5.7	8.5

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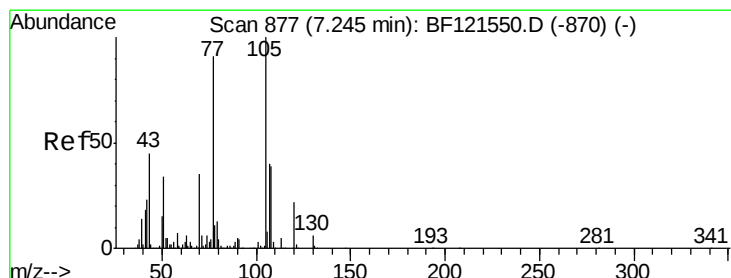
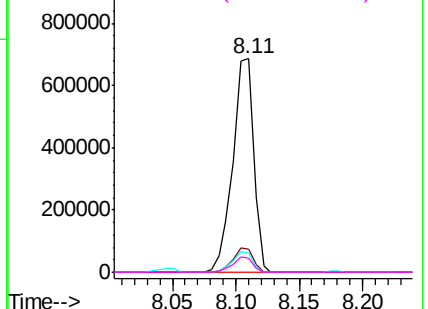
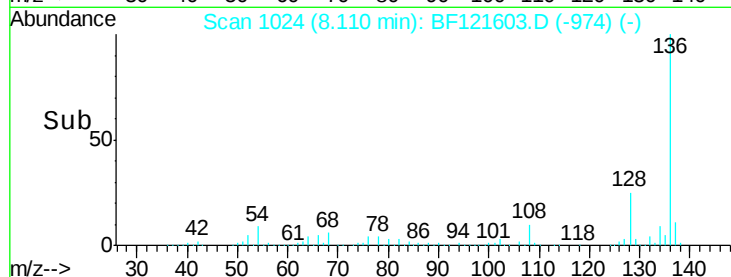
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

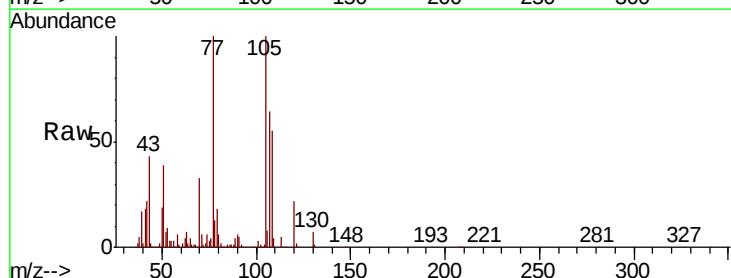
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 39.538 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	781953		
71	5.6		4.6	7.0
51	39.1		27.6	41.4
120	21.6		17.4	26.2



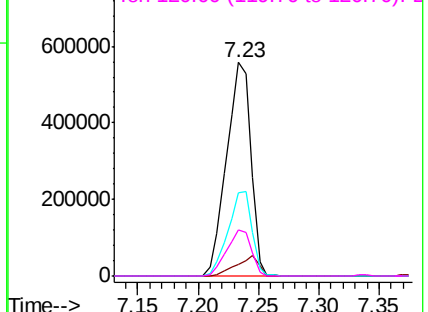
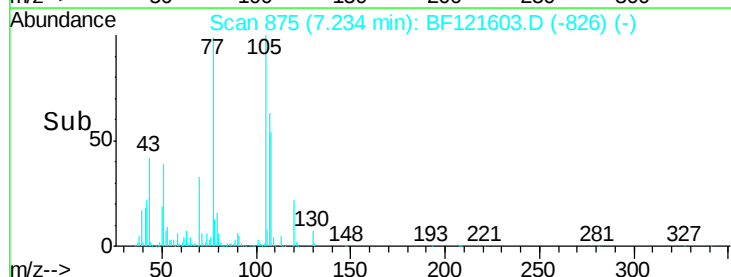
Abundance

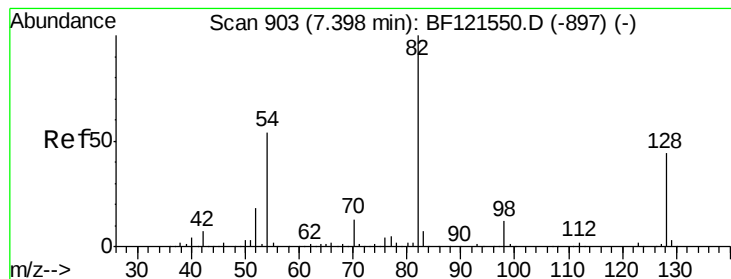
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 88.751 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion: 82 Resp: 1288497

Ion Ratio Lower Upper

82 100

128 44.0 35.1 52.7

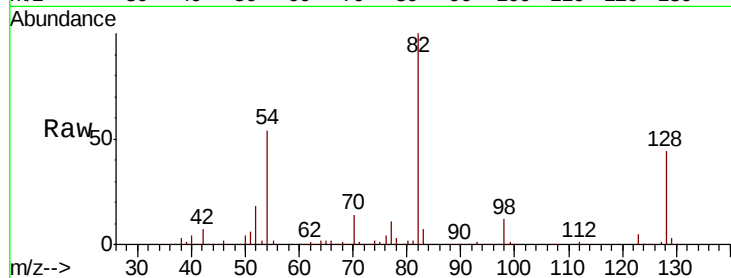
54 53.7 43.0 64.6

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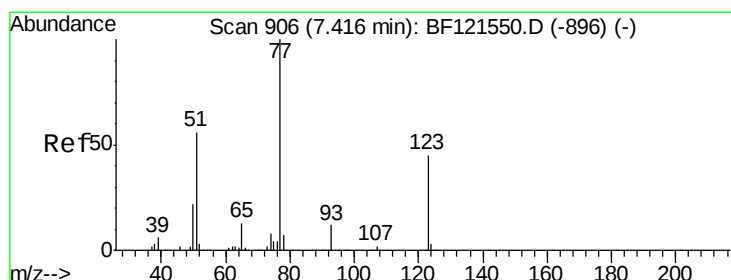
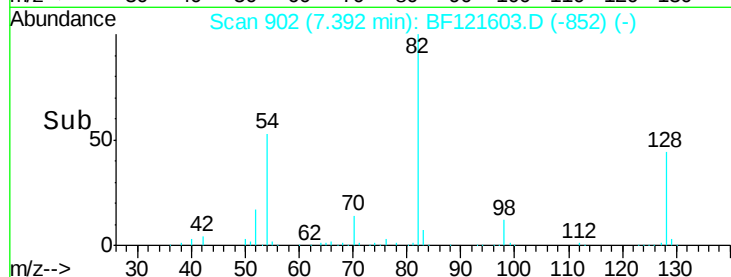
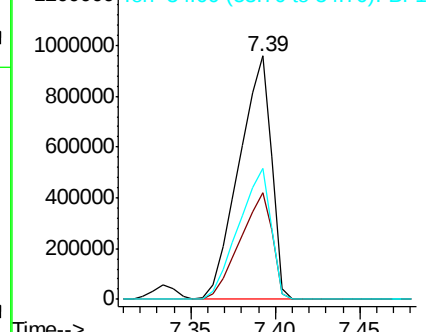
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 41.349 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

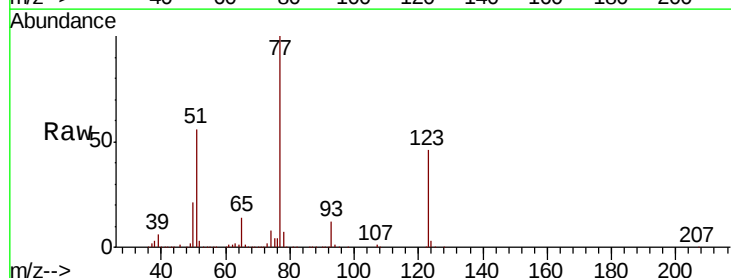
Tgt Ion: 77 Resp: 649270

Ion Ratio Lower Upper

77 100

123 45.8 35.8 53.8

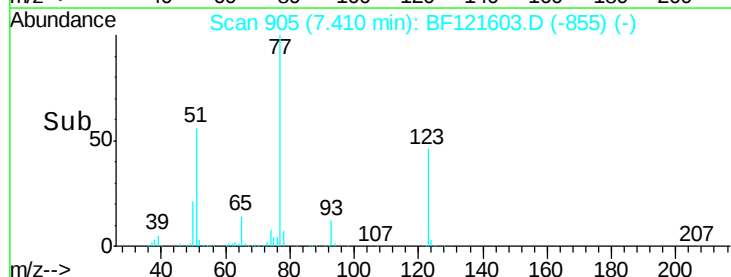
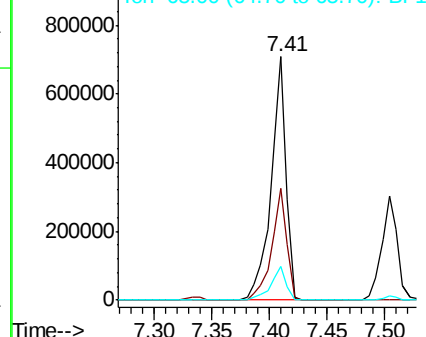
65 13.8 10.7 16.1

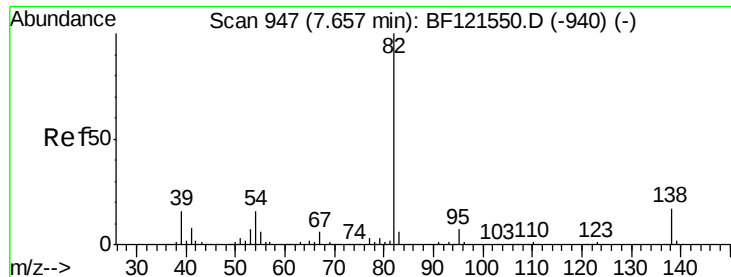


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.758 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion: 82 Resp: 1191152

Ion Ratio Lower Upper

82 100

95 7.1 5.3 7.9

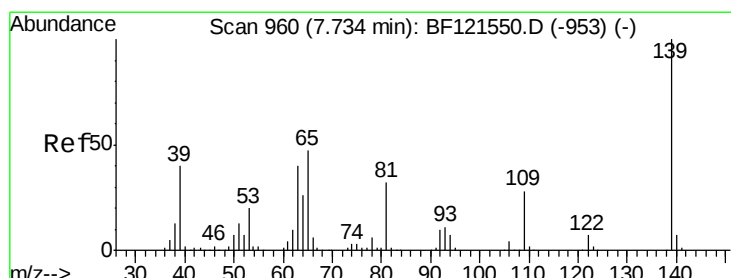
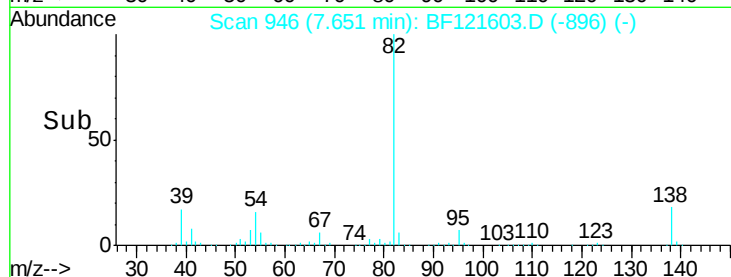
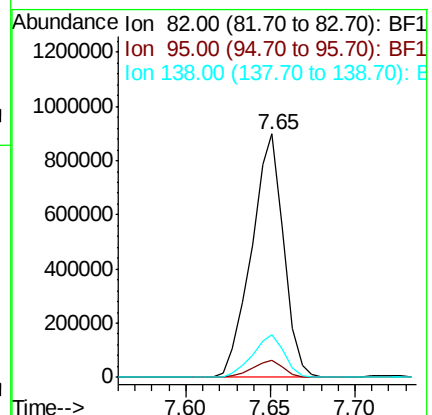
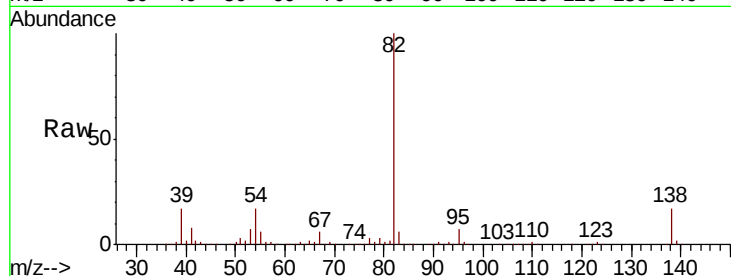
138 17.4 13.7 20.5

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#26

2-Nitrophenol

Concen: 43.946 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

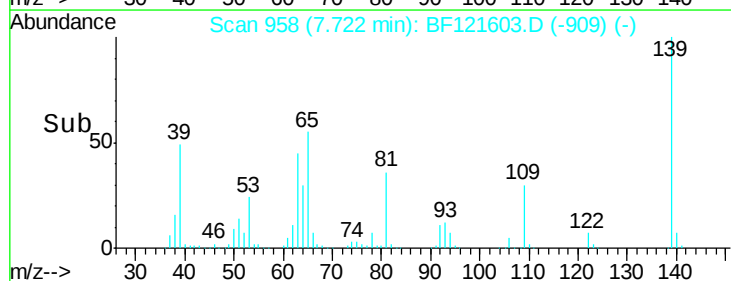
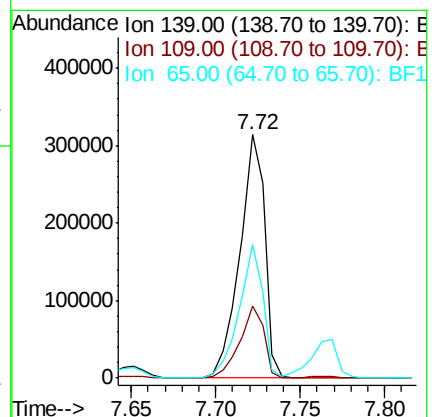
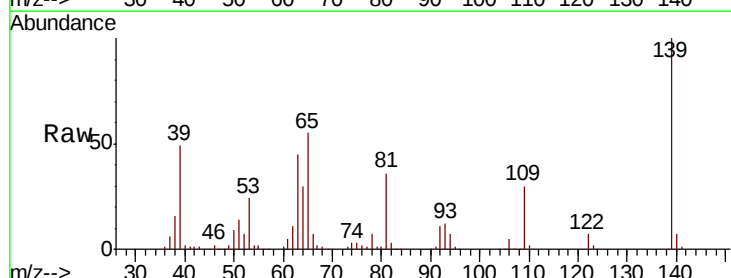
Tgt Ion: 139 Resp: 323163

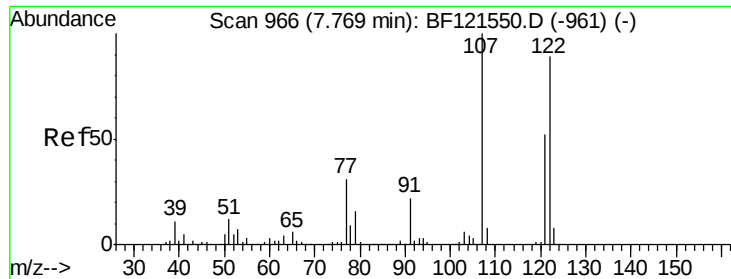
Ion Ratio Lower Upper

139 100

109 29.8 22.4 33.6

65 54.7 37.6 56.4





#27

2,4-Dimethylphenol

Concen: 40.394 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

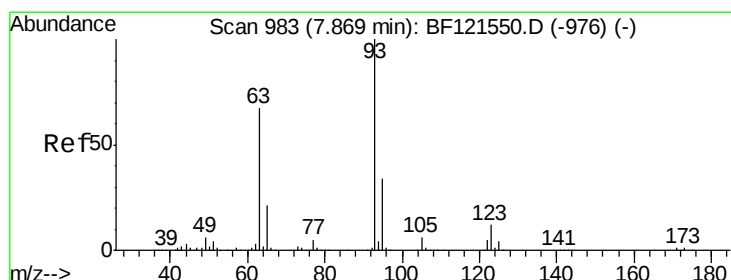
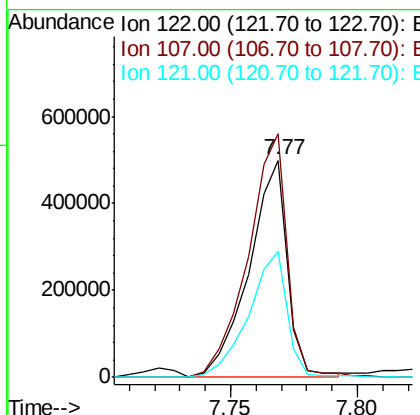
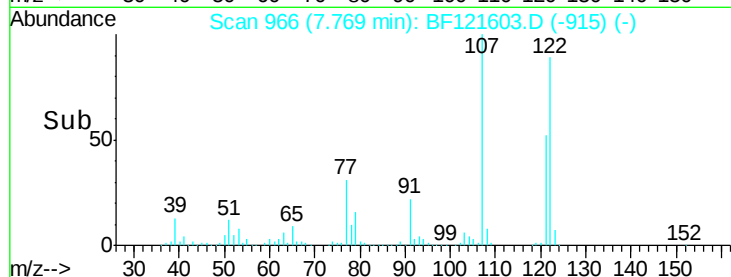
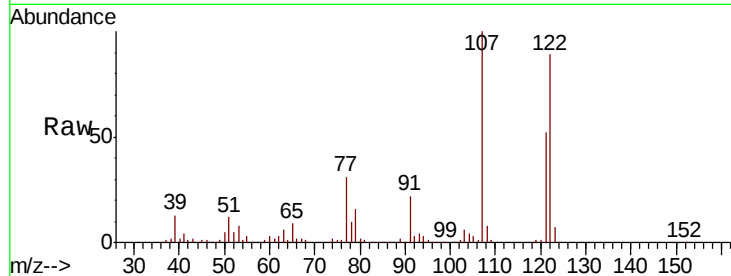
ClientSampleId :

SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.1	89.5	134.3
121	58.2	46.6	70.0

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#28

bis(2-Chloroethoxy)methane

Concen: 41.488 ng

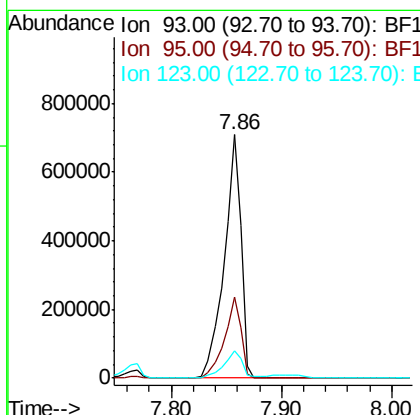
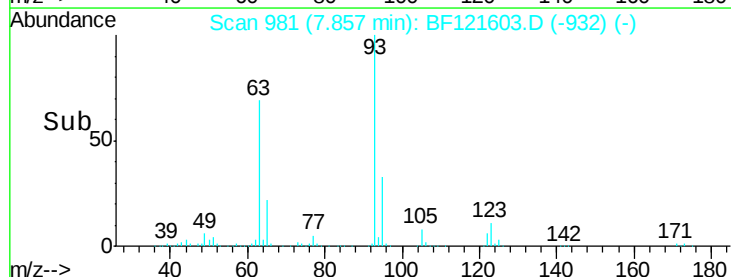
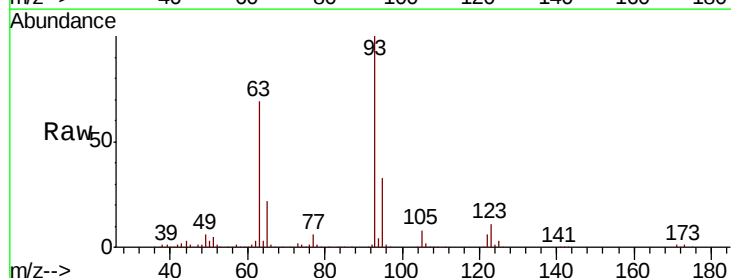
RT: 7.86 min Scan# 981

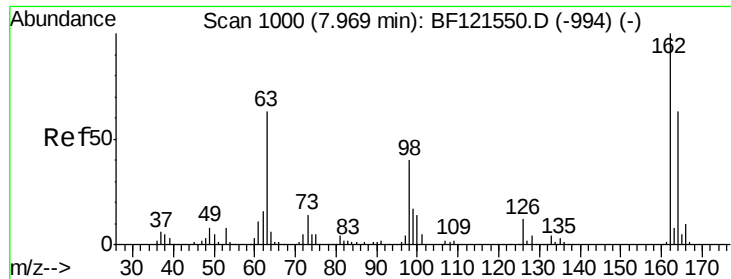
Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.8	40.2
123	11.3	9.7	14.5





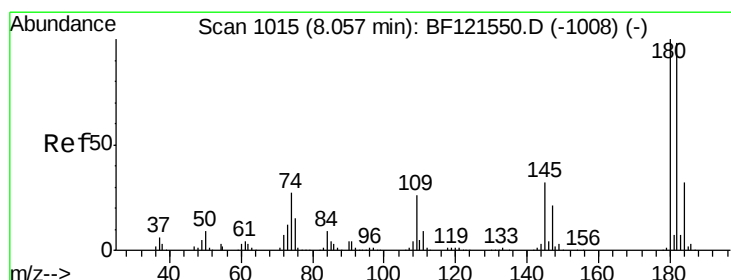
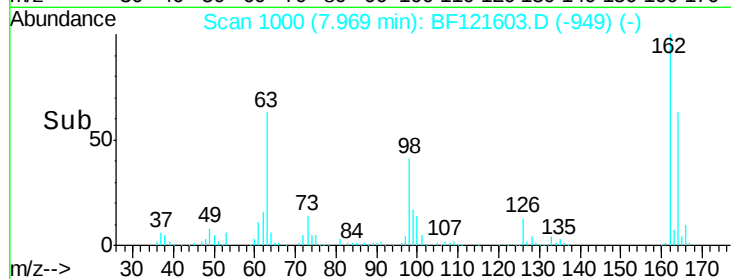
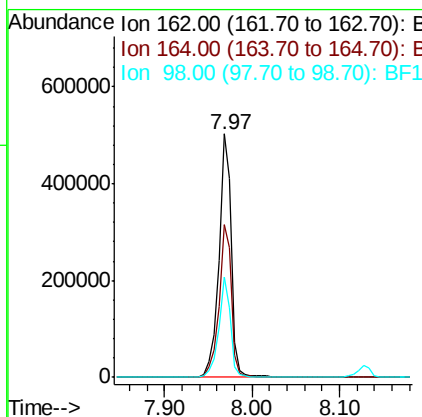
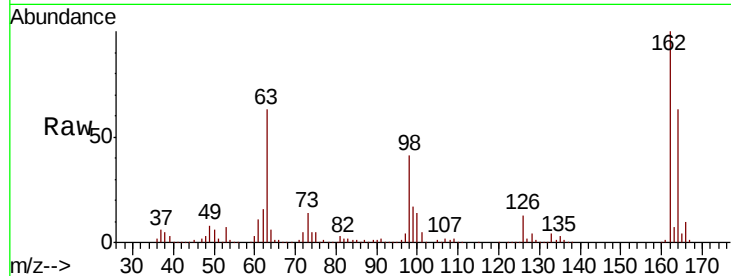
#29
 2,4-Dichlorophenol
 Concen: 41.571 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	493942		
164	62.8	43.5	83.5	
98	41.1	20.2	60.2	

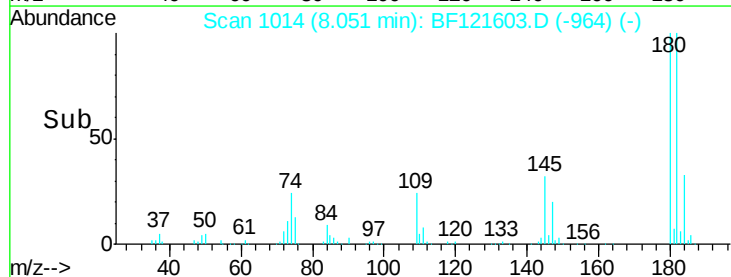
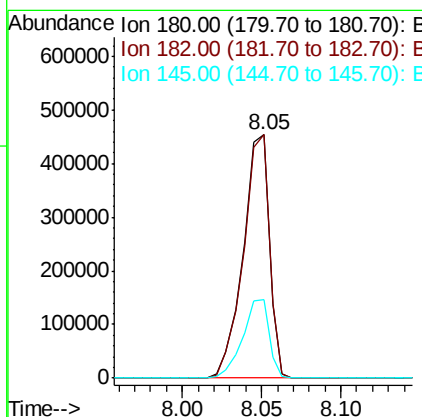
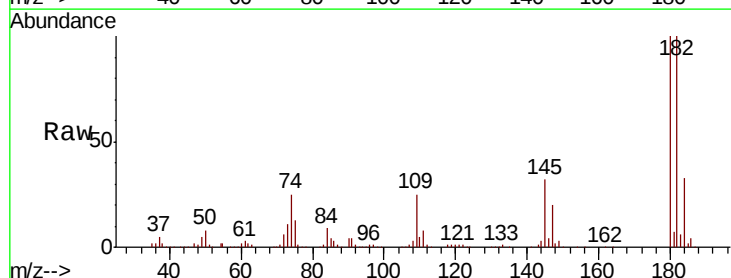
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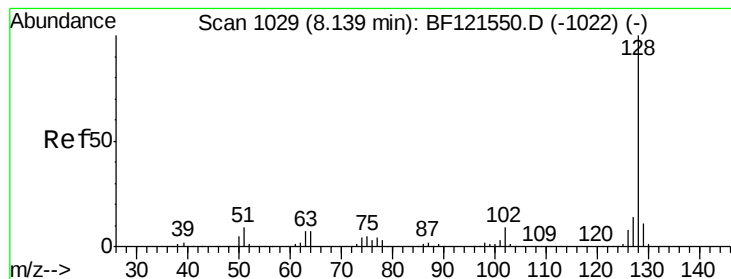
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#30
 1,2,4-Trichlorobenzene
 Concen: 41.612 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	520720		
182	99.8	78.7	118.1	
145	32.2	26.0	39.0	





#31

Naphthalene

Concen: 40.440 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion:128 Resp: 1664037

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

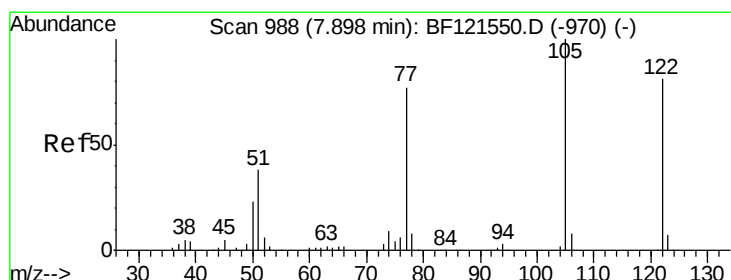
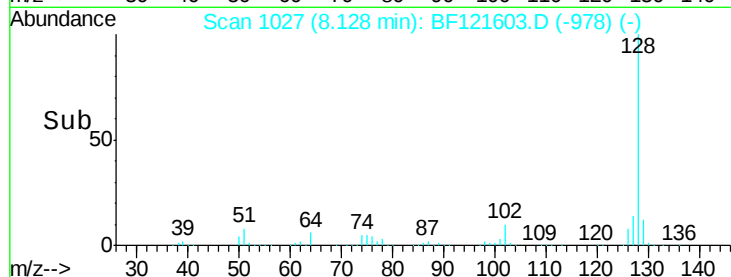
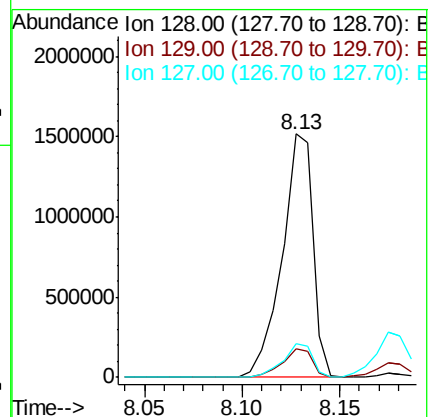
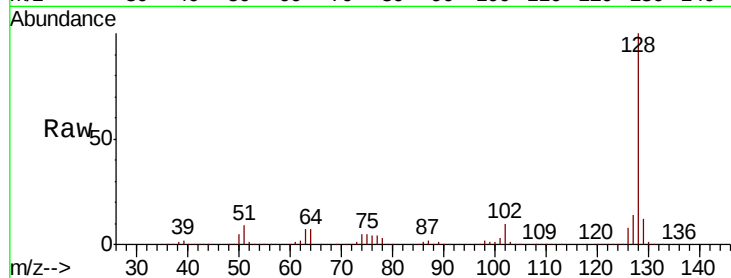
127 13.9 11.0 16.6

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#32

Benzoic acid

Concen: 41.964 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.02 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

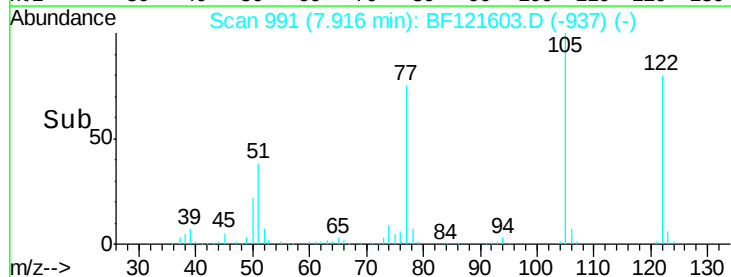
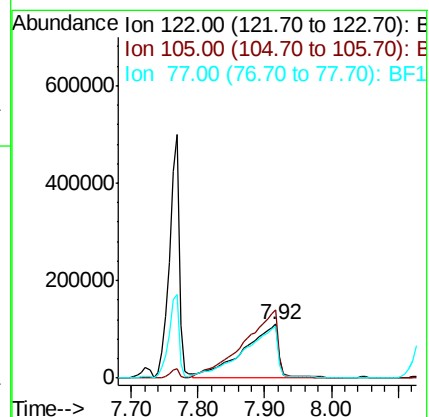
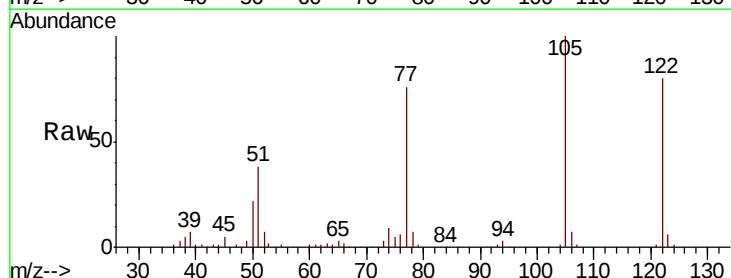
Tgt Ion:122 Resp: 398518

Ion Ratio Lower Upper

122 100

105 125.6 100.5 140.5

77 95.6 72.6 112.6





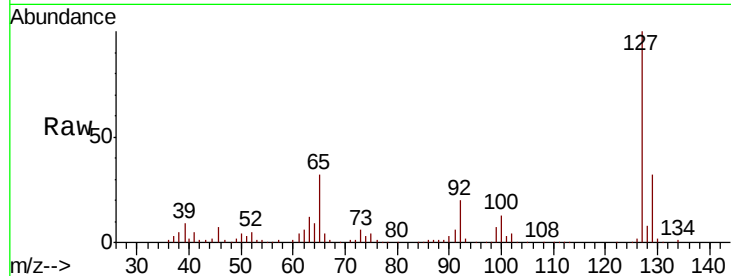
#33
4-Chloroaniline
Concen: 22.270 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

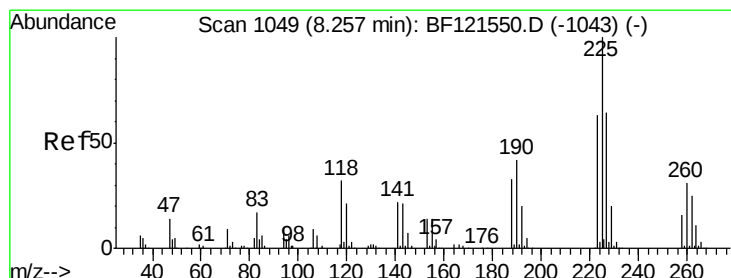
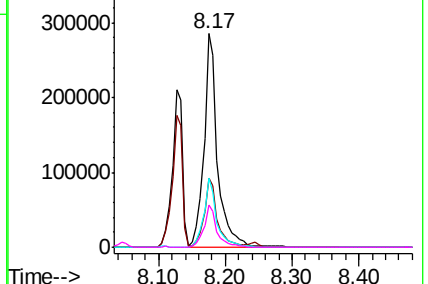
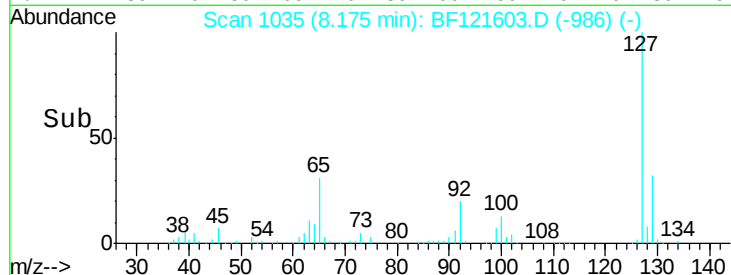
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		397228		
129	32.4	26.4	39.6		
65	32.4	24.4	36.6		
92	19.7	15.4	23.2		

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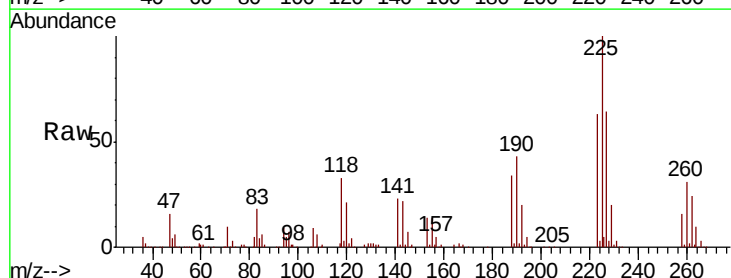


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

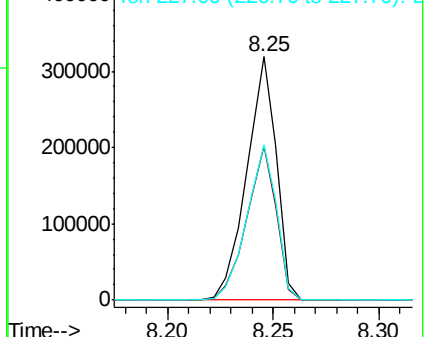
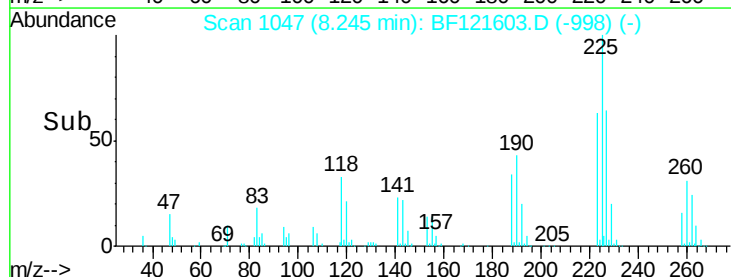


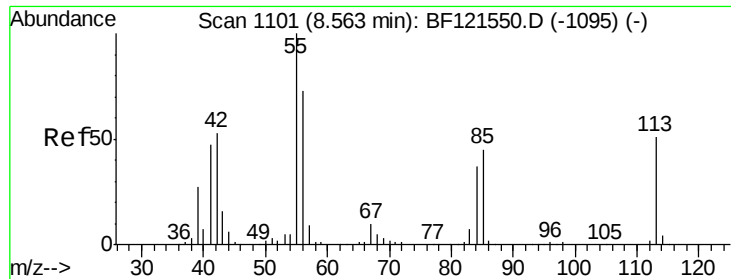
#34
Hexachlorobutadiene
Concen: 42.347 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		311048		
223	63.3	50.2	75.2		
227	64.0	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





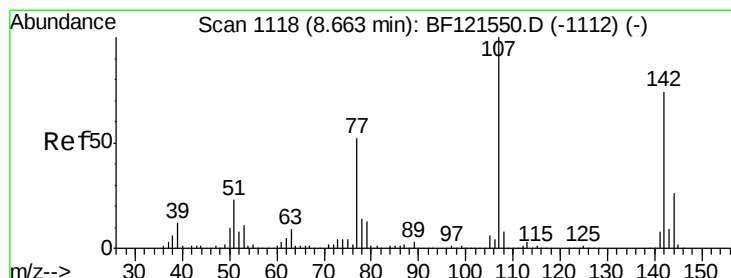
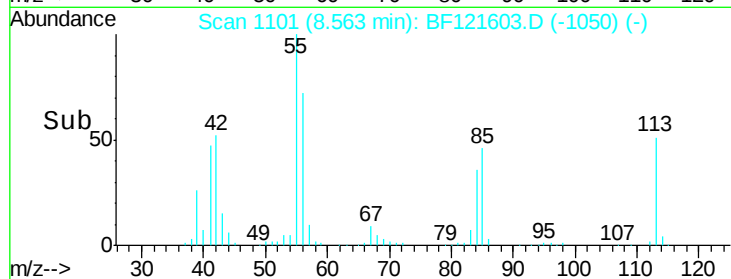
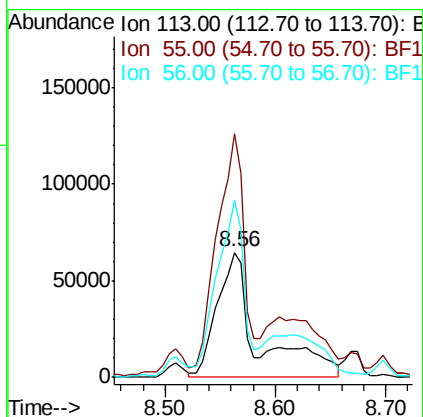
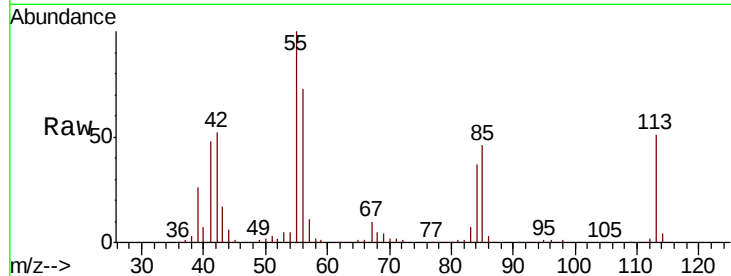
#35
Caprolactam
Concen: 43.034 ng m
RT: 8.56 min Scan# 1101
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	195.1	176.2	216.2
56	141.5	123.9	163.9

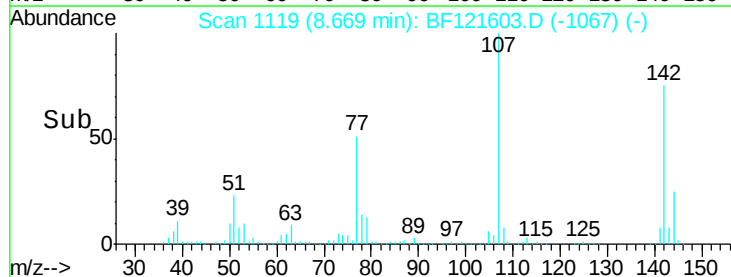
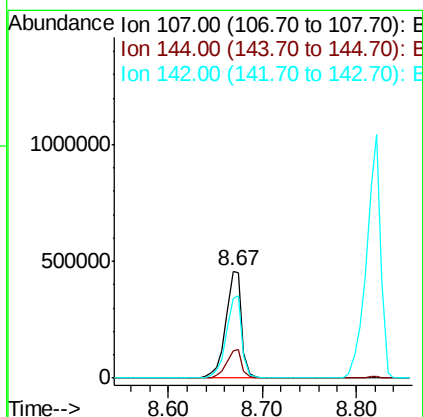
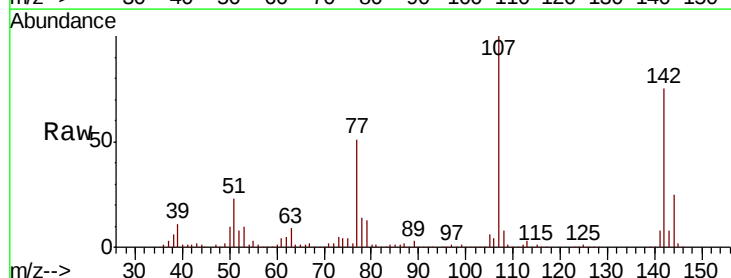
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#36
4-Chloro-3-methylphenol
Concen: 41.963 ng
RT: 8.67 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.5	30.7
142	74.7	59.5	89.3





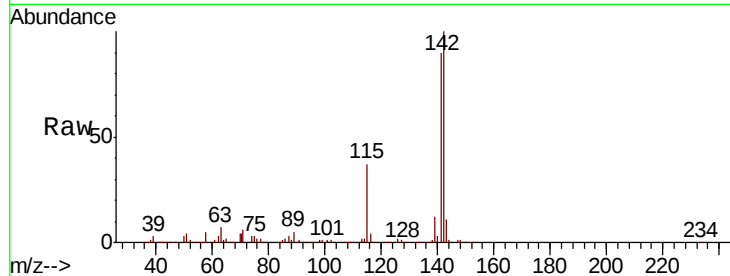
#37
2-Methylnaphthalene
Concen: 40.463 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

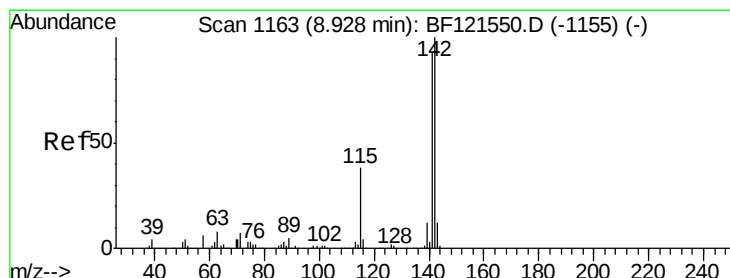
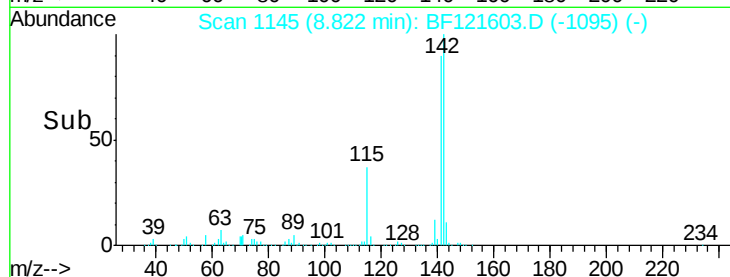
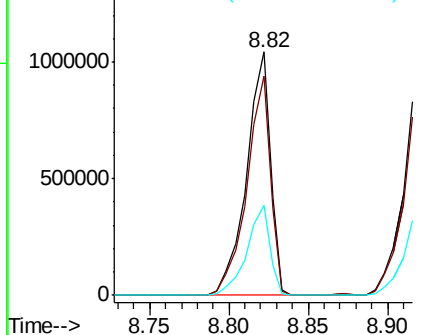
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.5	107.3
115	36.8	28.7	43.1

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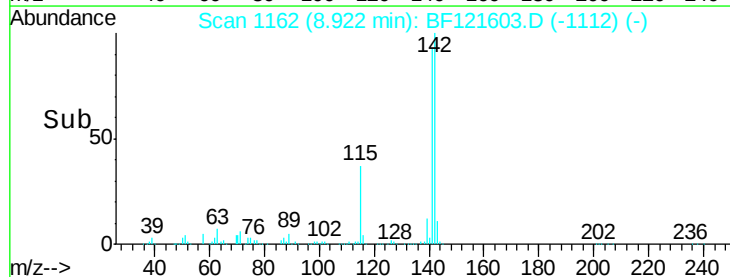
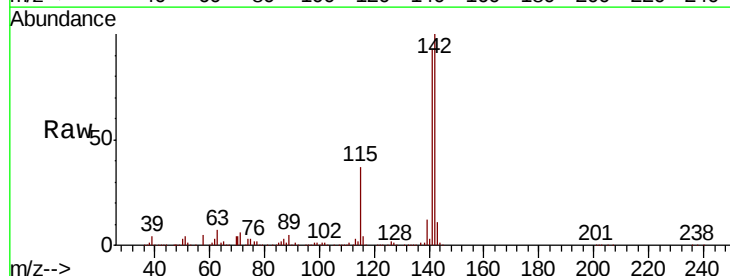
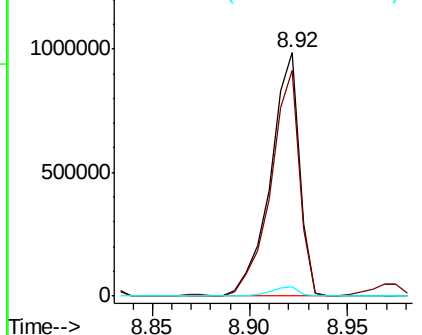
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 40.319 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.8	112.2
116	3.9	3.0	4.6

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





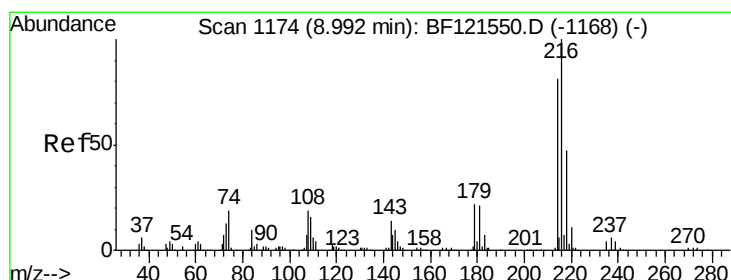
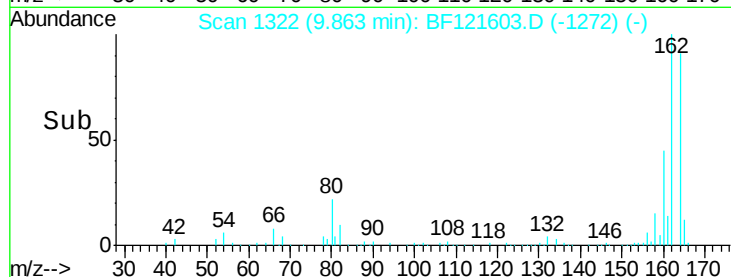
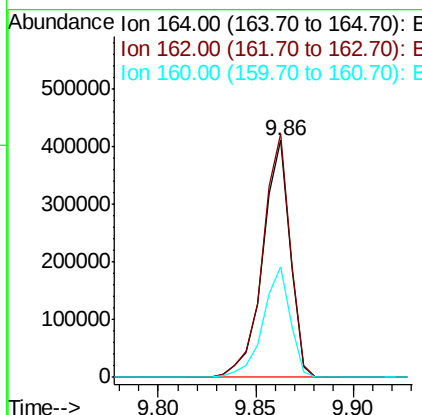
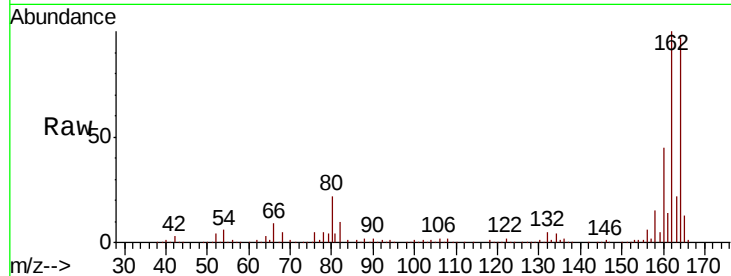
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	82.3	123.5	
160	46.4	37.0	55.4	

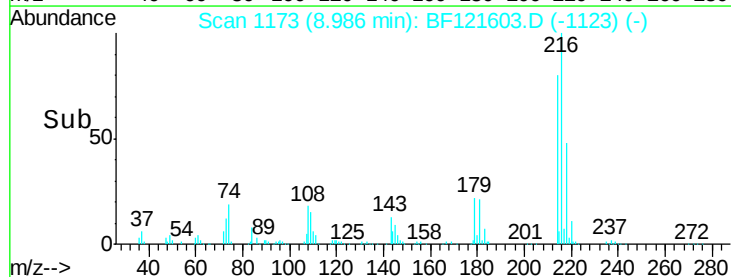
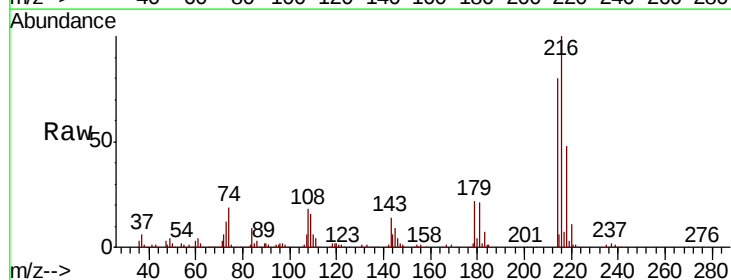
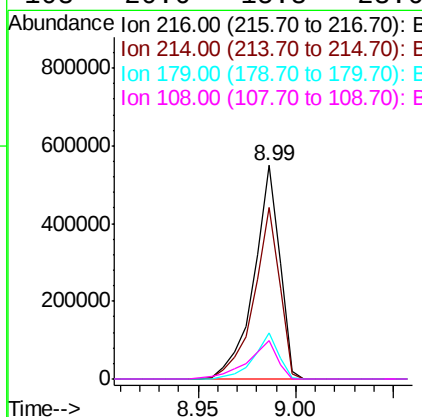
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.332 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	80.1	63.8	95.8	
179	20.9	16.6	25.0	
108	20.6	15.8	23.6	





#41

Hexachlorocyclopentadiene

Concen: 65.062 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

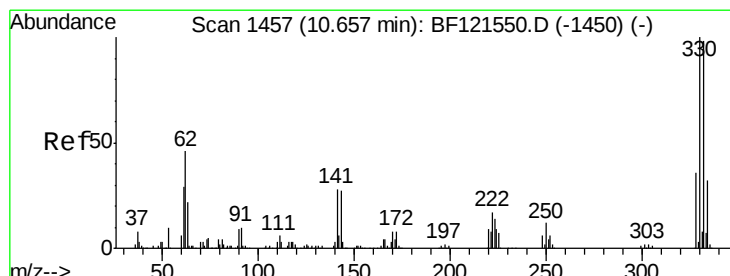
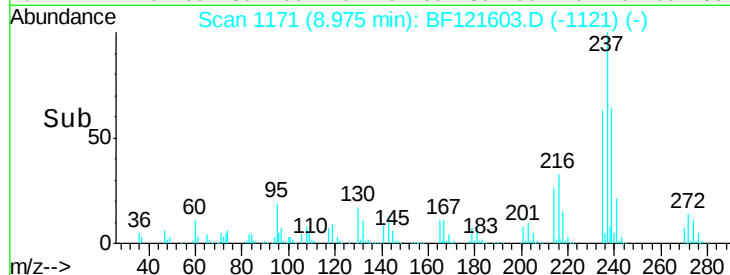
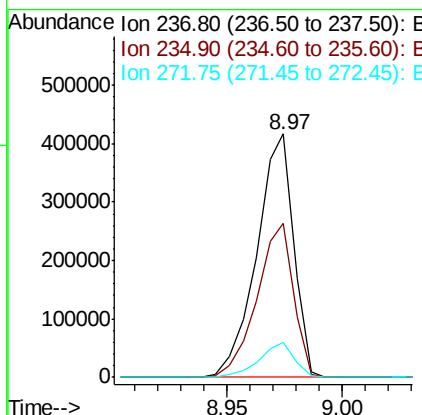
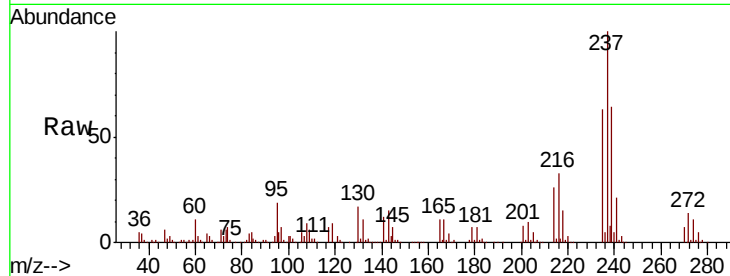
ClientSampleId :

SOIL-BORINGMSD

Tot Ion:	237	Resp:	463392
Ion Ratio	Lower	Upper	
237	100		
235	63.0	44.0	84.0
272	14.3	0.0	33.4

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#42

2,4,6-Tribromophenol

Concen: 115.925 ng

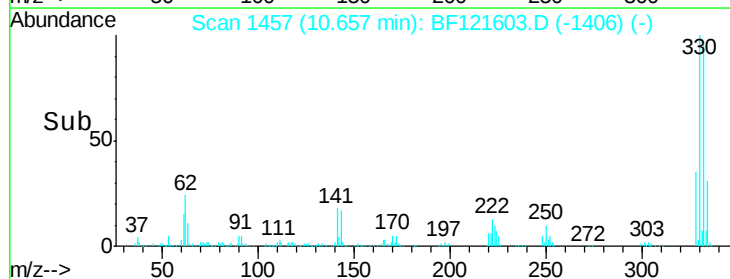
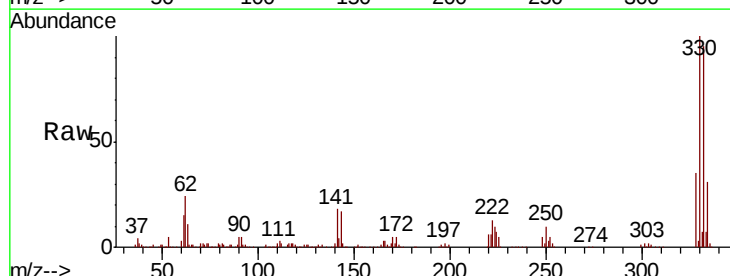
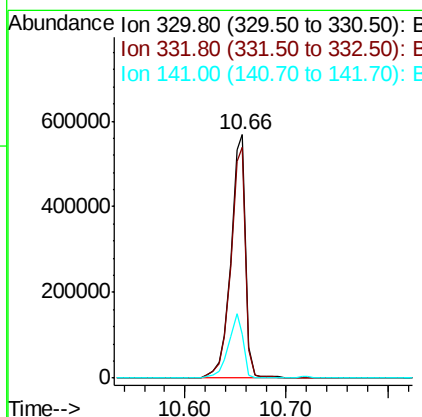
RT: 10.66 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:	330	Resp:	575266
Ion Ratio	Lower	Upper	
330	100		
332	95.4	77.1	115.7
141	26.7	23.6	35.4





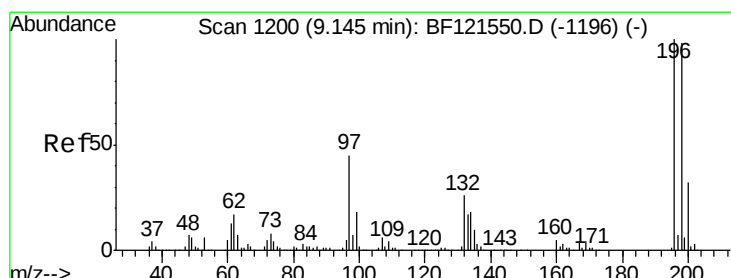
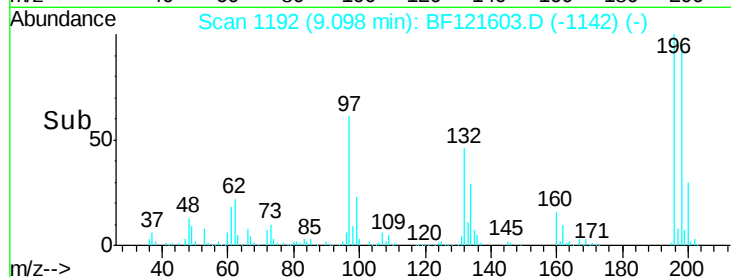
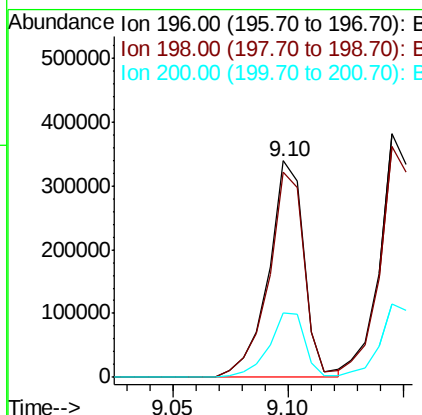
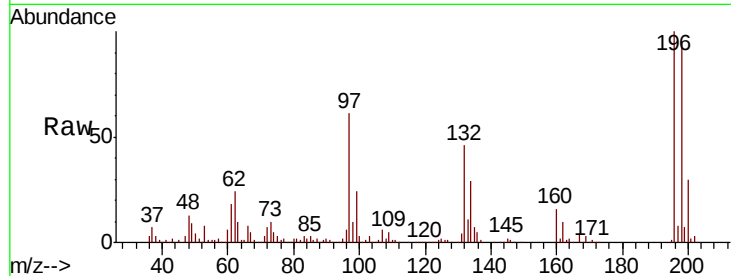
#43
 2,4,6-Trichlorophenol
 Concen: 42.615 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	362266		
198	94.8	75.6	113.4	
200	29.6	24.0	36.0	

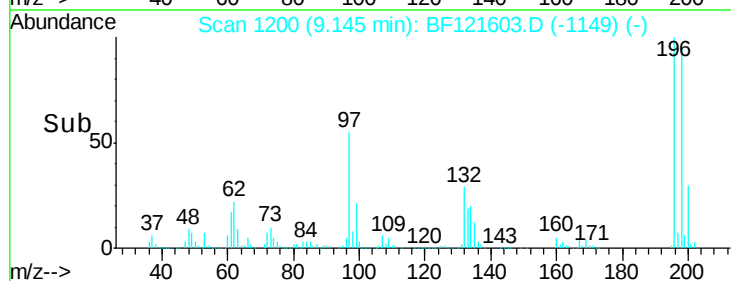
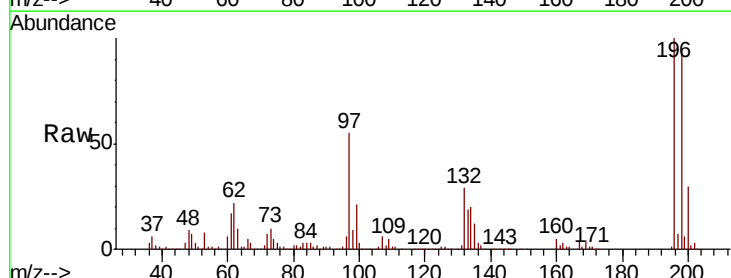
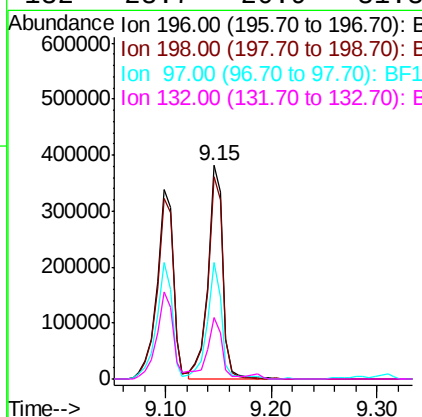
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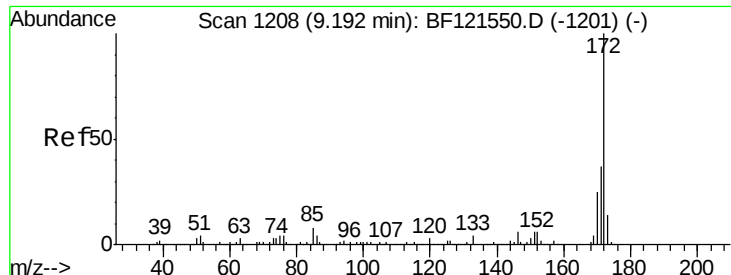
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 41.705 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	374797		
198	94.7	78.1	117.1	
97	54.7	36.8	55.2	
132	28.7	20.9	31.3	





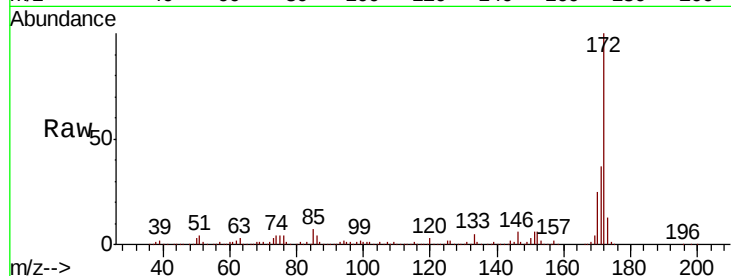
#45
2-Fluorobiphenyl
Concen: 80.701 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.1	29.8	44.6	
170	24.9	19.8	29.8	

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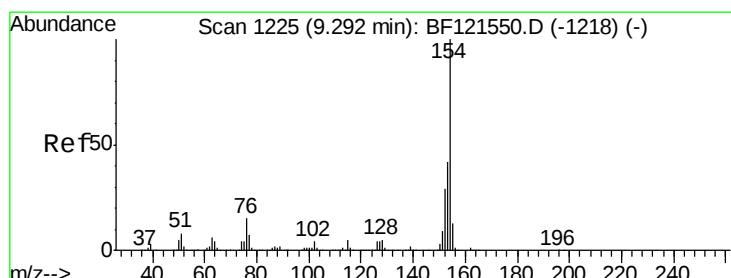
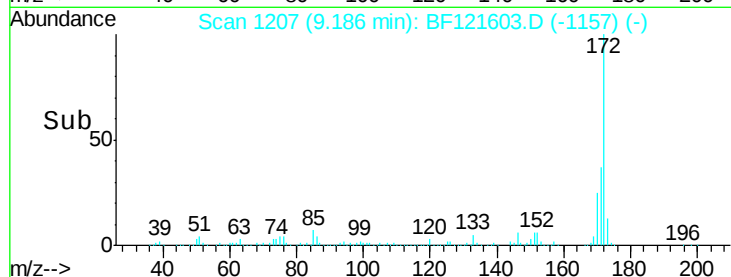
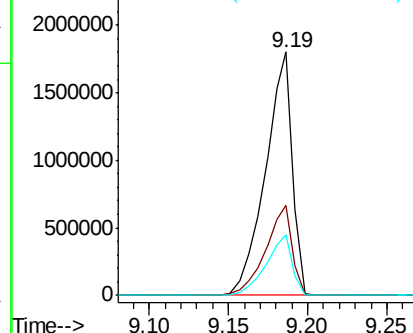


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 40.014 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

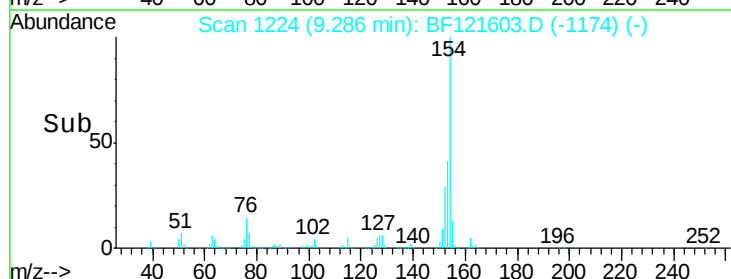
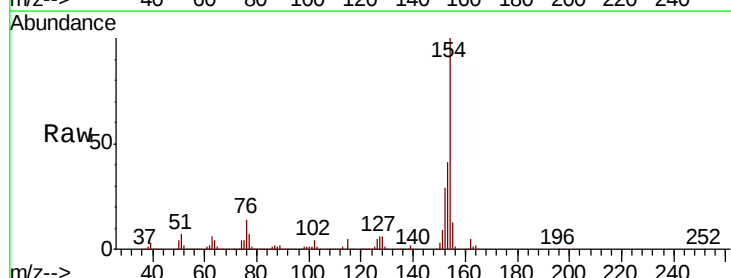
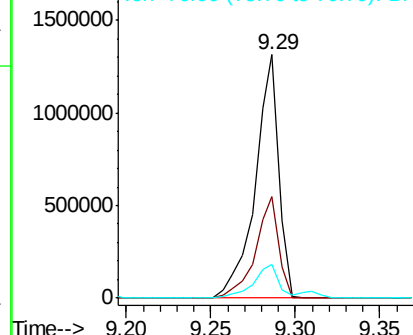
Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	41.4	21.7	61.7	
76	14.0	0.0	35.5	

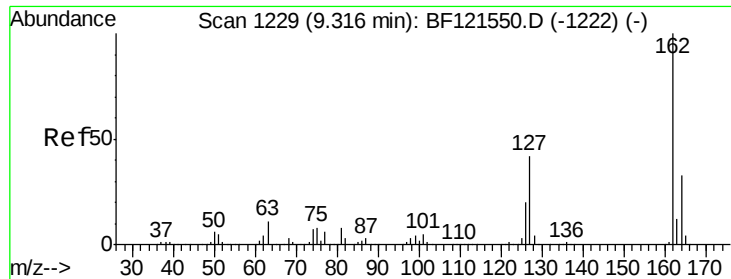
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





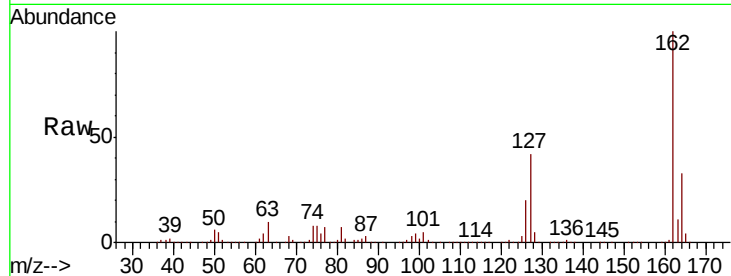
#47
2-Chloronaphthalene
Concen: 40.249 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

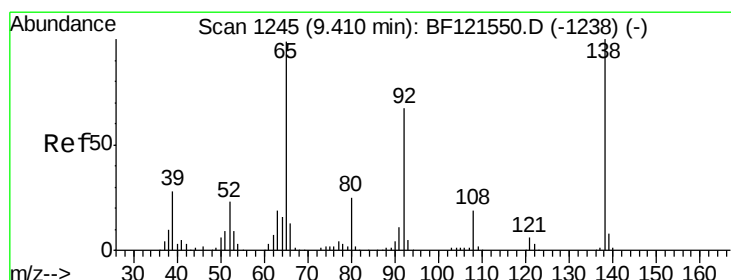
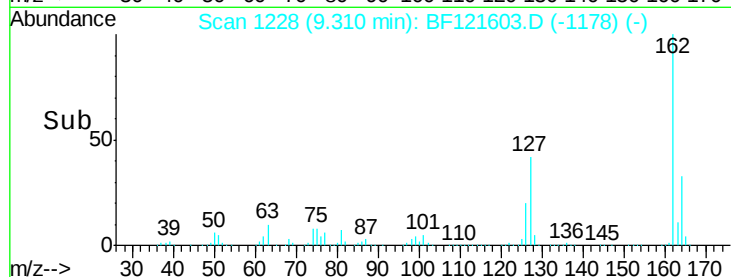
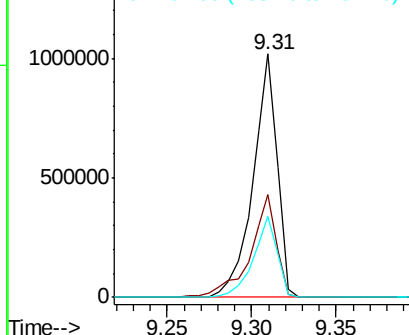
Tot Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.9	50.9
164	33.3	26.7	40.1

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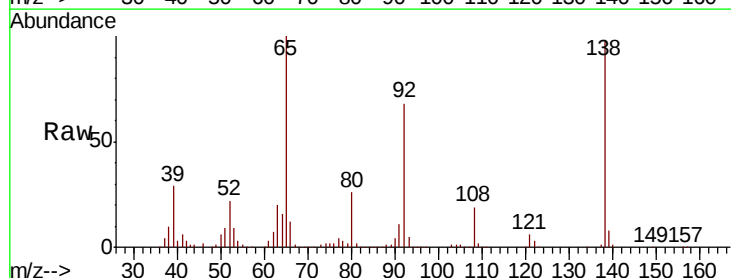


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

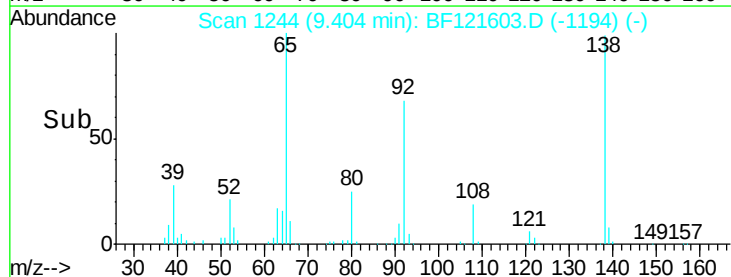
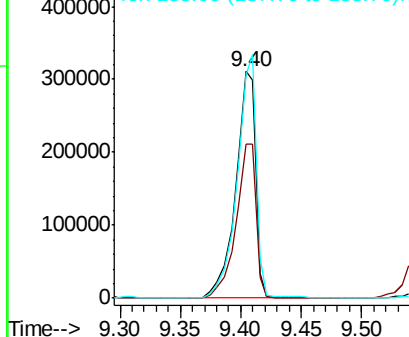


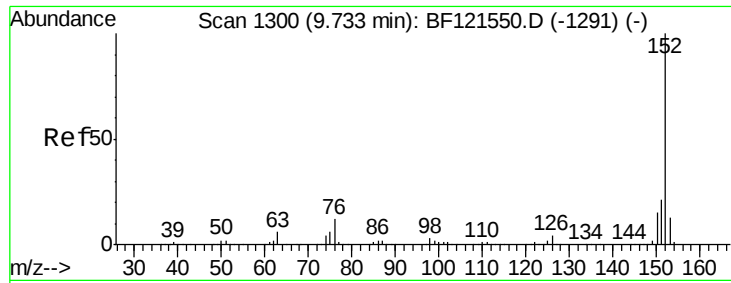
#48
2-Nitroaniline
Concen: 45.562 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.2	81.4
138	98.3	80.8	121.2



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





#49

Acenaphthylene

Concen: 40.447 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion:152 Resp: 1565354

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

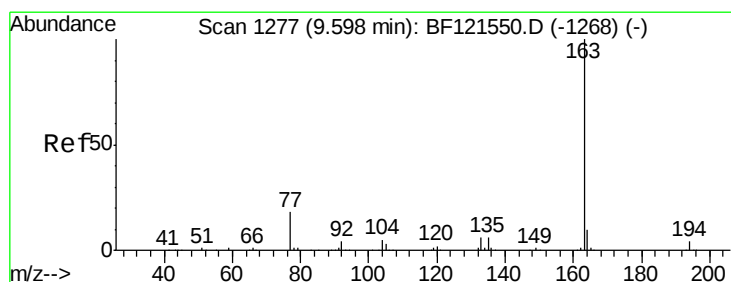
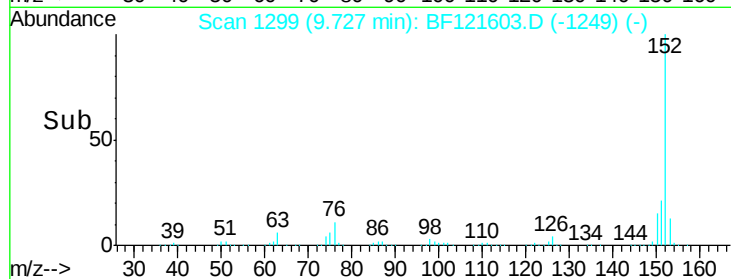
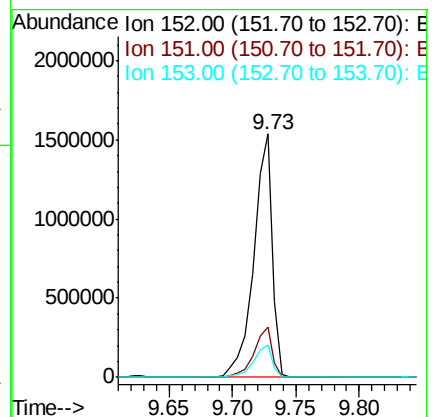
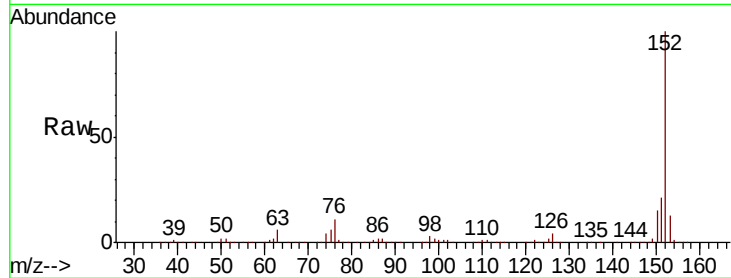
153 13.4 10.7 16.1

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#50

Dimethylphthalate

Concen: 49.577 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

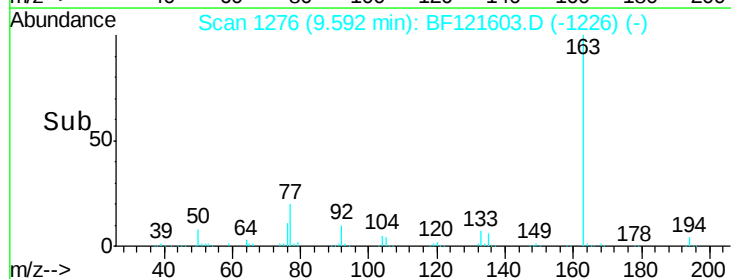
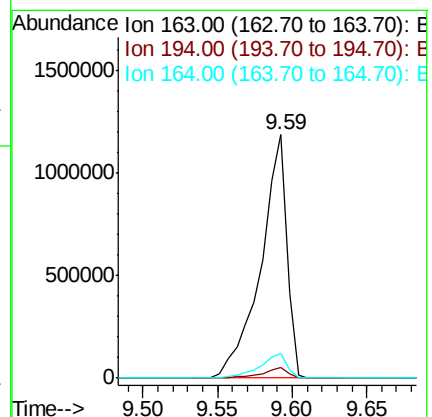
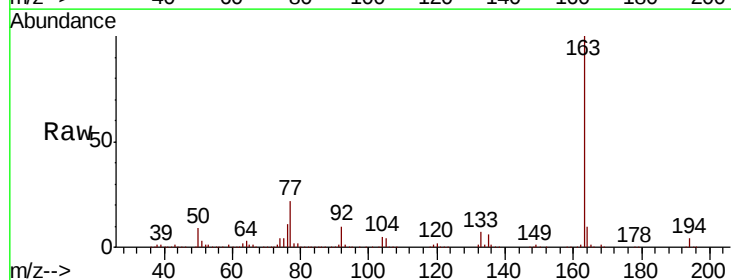
Tgt Ion:163 Resp: 1434681

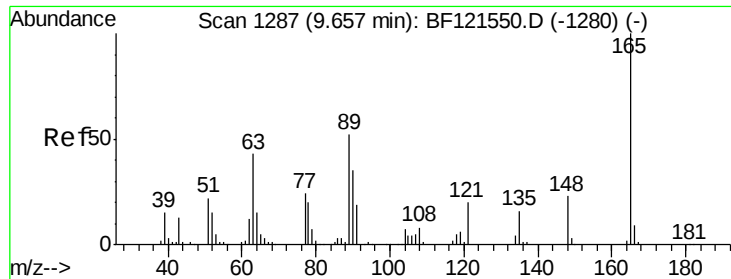
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.2 7.9 11.9





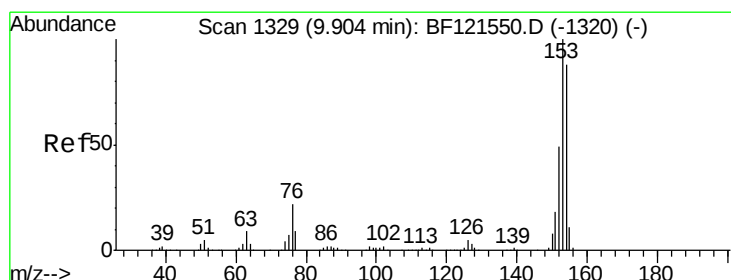
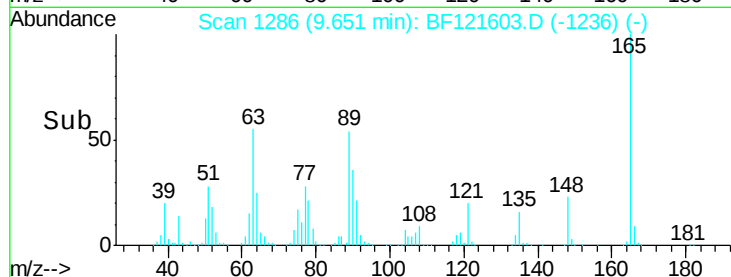
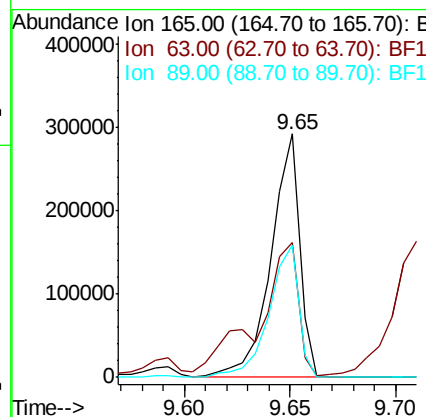
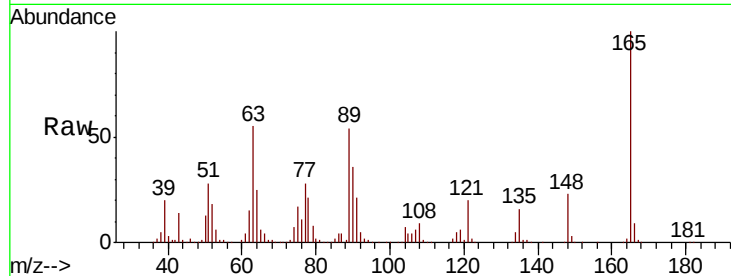
#51
2,6-Dinitrotoluene
Concen: 45.025 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	277484		
63	55.3		40.6	61.0
89	54.4		41.8	62.8

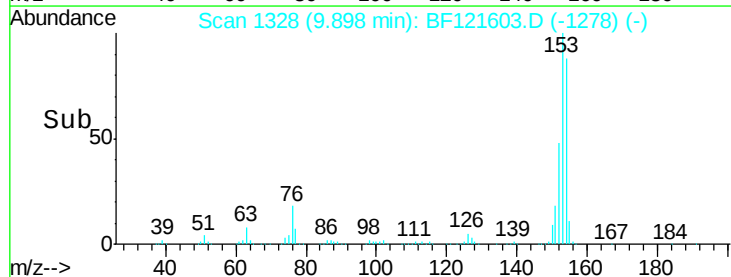
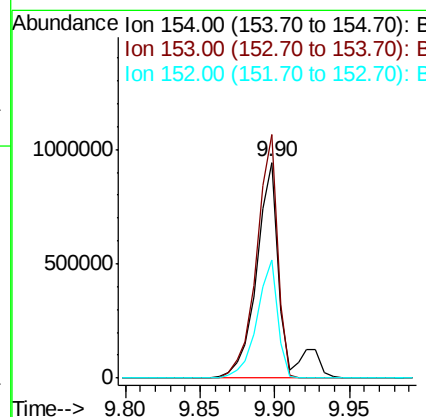
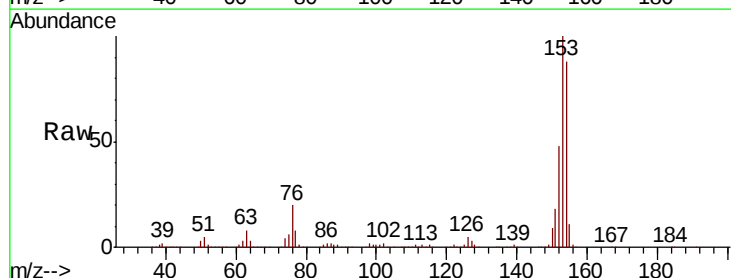
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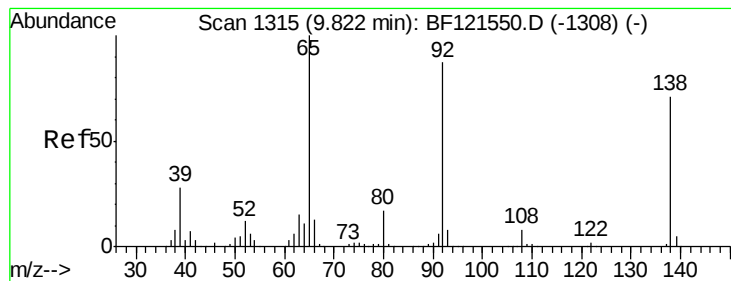
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#52
Acenaphthene
Concen: 42.630 ng m
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1042067		
153	113.0		91.0	136.4
152	54.8		44.2	66.2





#53

3-Nitroaniline

Concen: 26.226 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

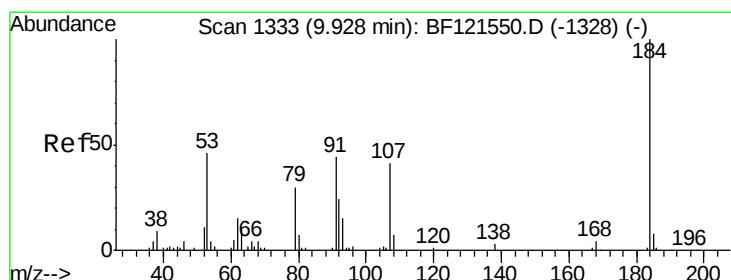
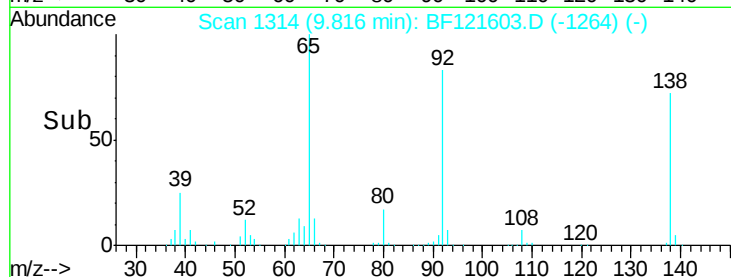
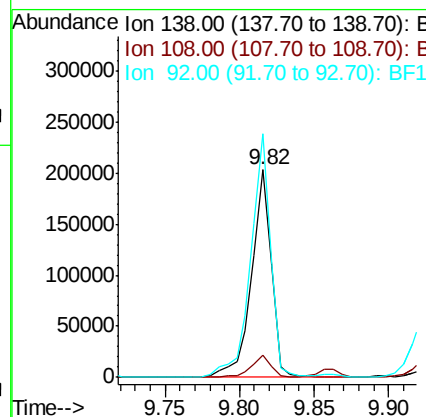
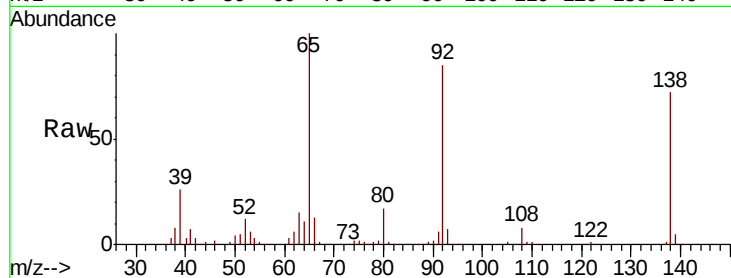
ClientSampleId :

SOIL-BORINGMSD

Tot Ion:	138	Resp:	187237
Ion Ratio	Lower	Upper	
138	100		
108	10.6	9.0	13.6
92	117.5	97.4	146.0

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#54

2,4-Dinitrophenol

Concen: 66.405 ng

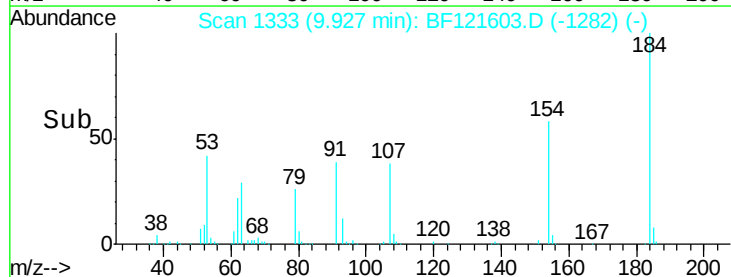
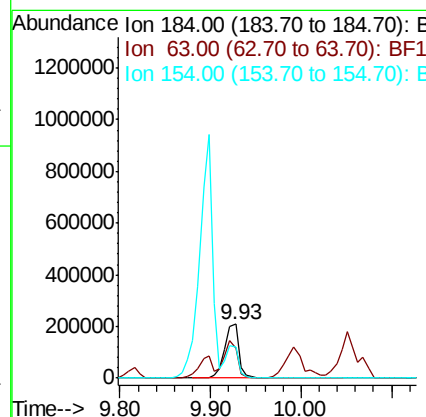
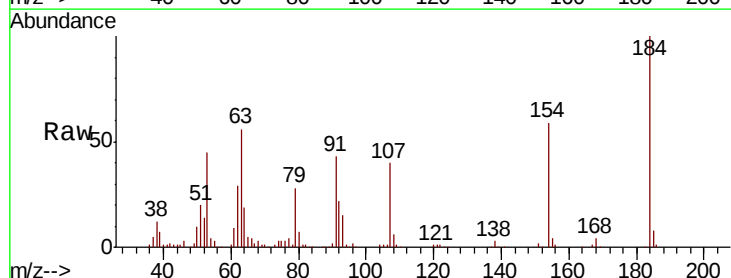
RT: 9.93 min Scan# 1333

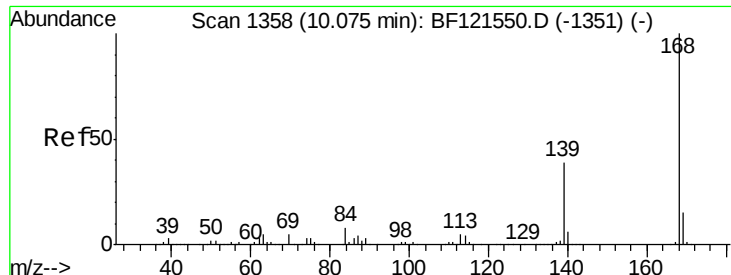
Delta R.T. 0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:	184	Resp:	229880
Ion Ratio	Lower	Upper	
184	100		
63	56.3	47.7	71.5
154	58.6	47.2	70.8





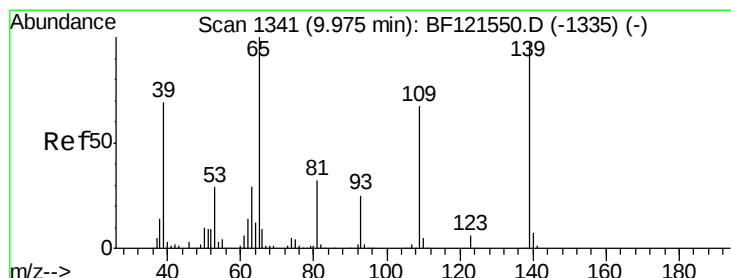
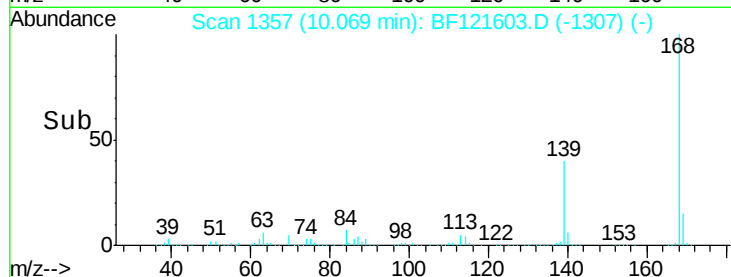
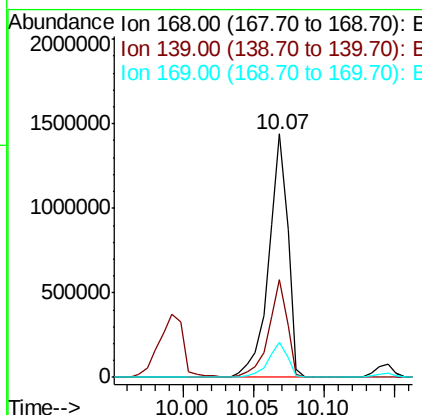
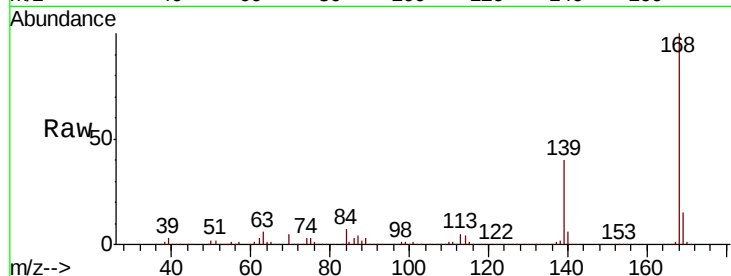
#55
Dibenzenofuran
Concen: 39.885 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion:168 Resp: 1373014
Ion Ratio Lower Upper
168 100
139 39.9 31.4 47.0
169 14.6 11.9 17.9

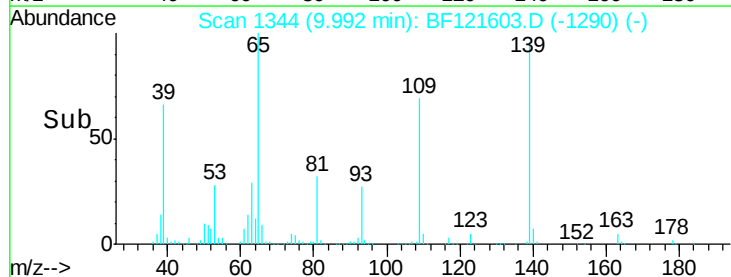
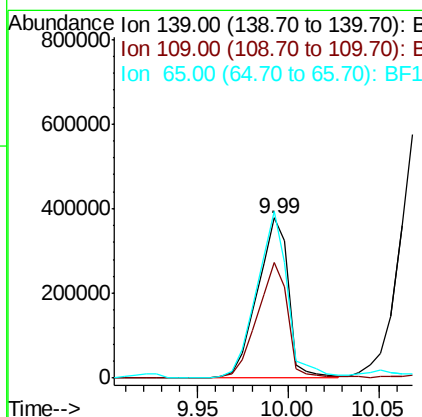
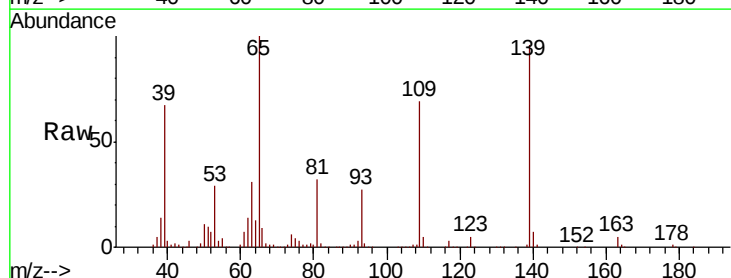
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#56
4-Nitrophenol
Concen: 79.347 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:139 Resp: 451775
Ion Ratio Lower Upper
139 100
109 72.3 48.8 88.8
65 104.5 83.6 123.6





#57

2,4-Dinitrotoluene

Concen: 46.815 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion:165 Resp: 362975

Ion Ratio Lower Upper

165 100

63 51.6 36.2 54.4

89 76.6 58.2 87.4

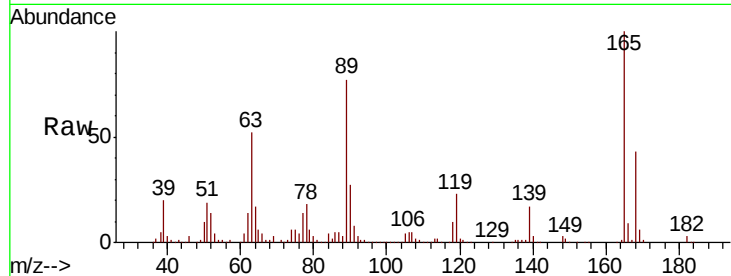
182 2.6 2.2 3.2

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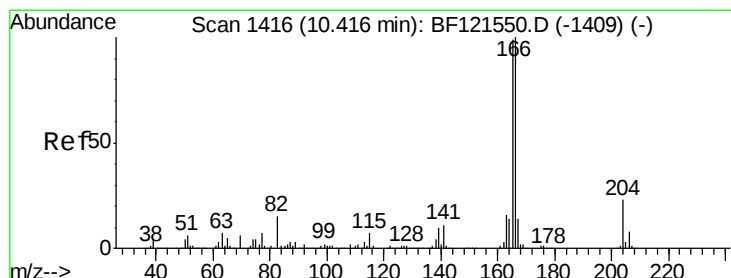
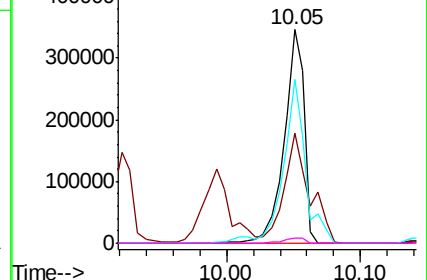
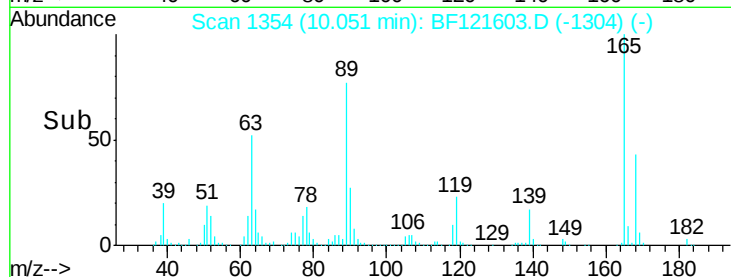


Abundance Ion 165.00 (164.70 to 165.70): E

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: 39.771 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

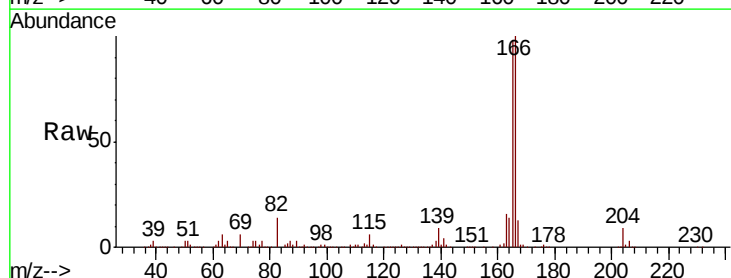
Tgt Ion:166 Resp: 1046983

Ion Ratio Lower Upper

166 100

165 98.1 79.0 118.4

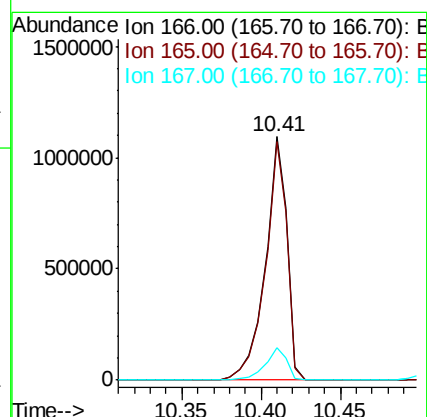
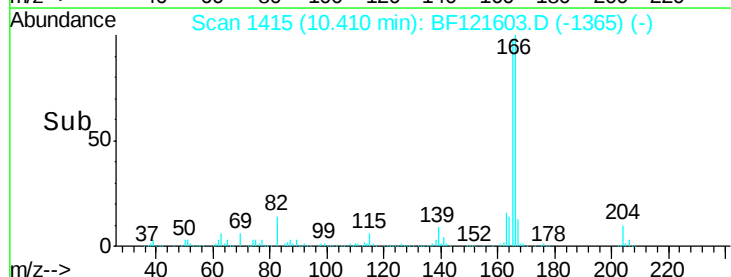
167 13.5 11.0 16.6

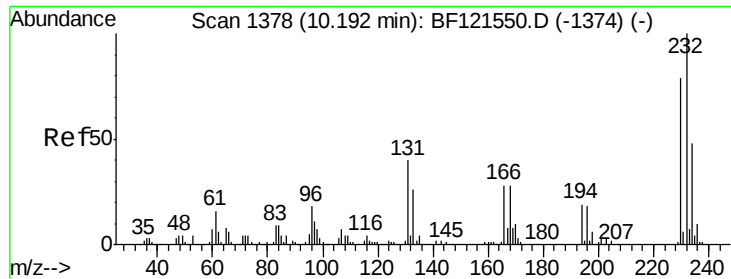


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





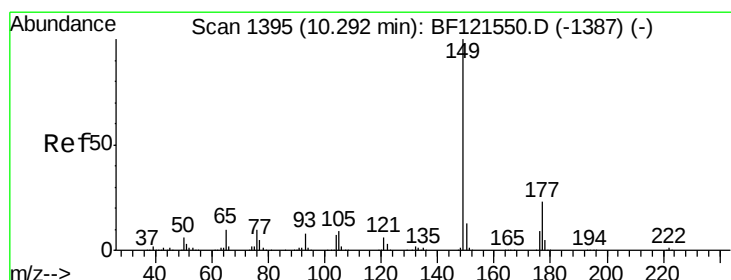
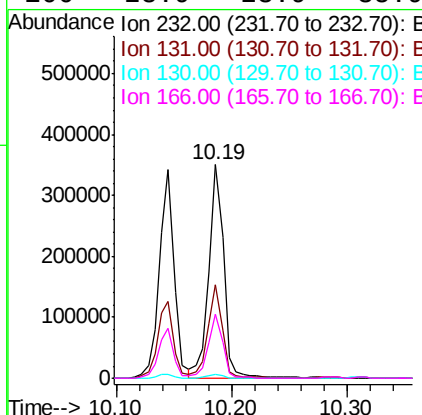
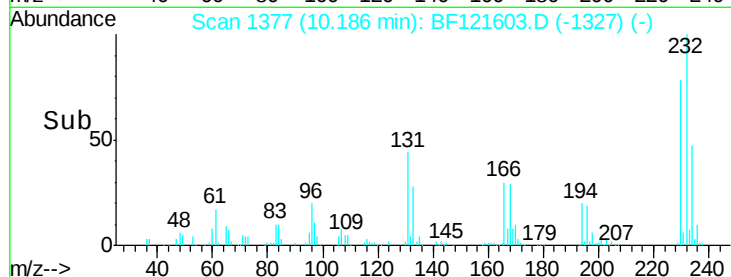
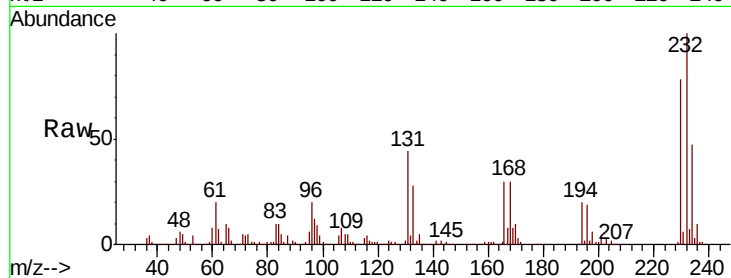
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 42.999 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion:	232	Resp:	314158
Ion Ratio	Lower	Upper	
232	100		
131	42.6	36.3	54.5
130	1.9	1.9	2.9
166	28.9	23.9	35.9

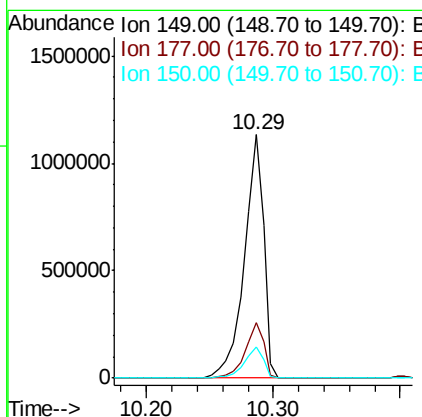
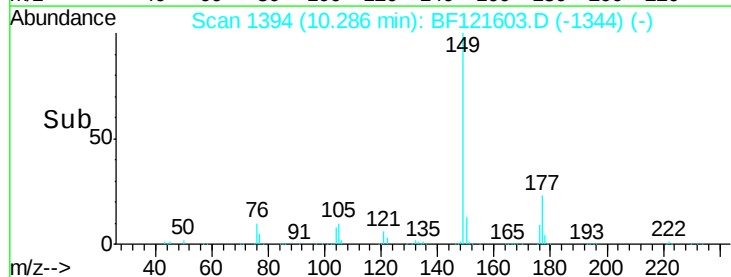
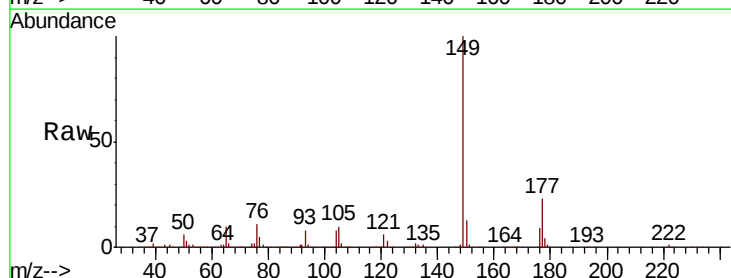
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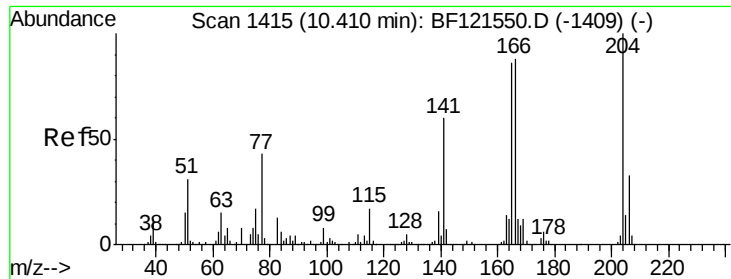
mohammad
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#60
 Diethylphthalate
 Concen: 42.165 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion:	149	Resp:	1189644
Ion Ratio	Lower	Upper	
149	100		
177	22.5	18.2	27.2
150	12.8	10.2	15.2





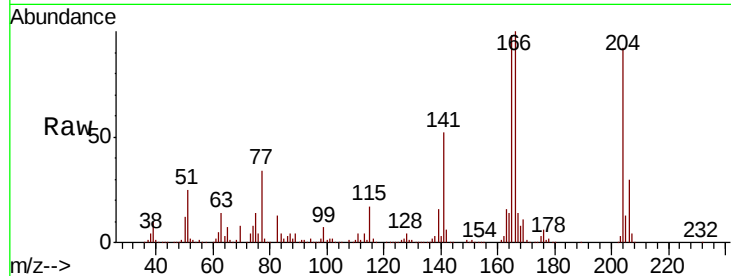
#61
4-Chlorophenyl-phenylether
Concen: 41.142 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	56.6	48.3	72.5

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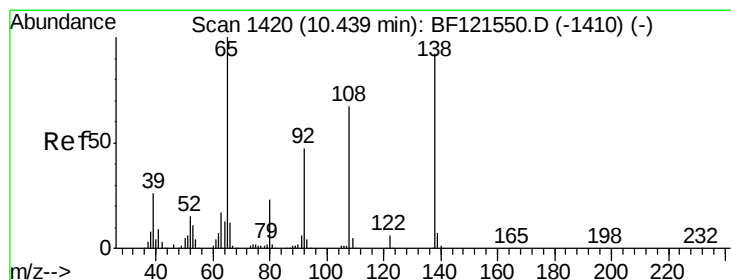
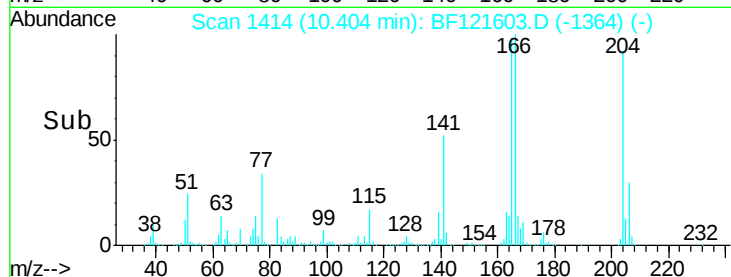
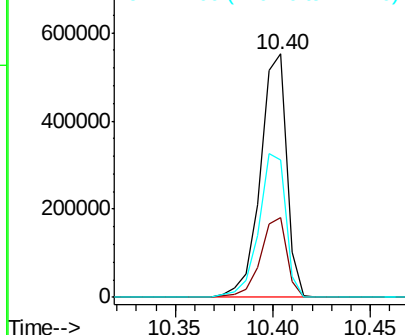


Abundance

Ion 204.00 (203.70 to 204.70): E

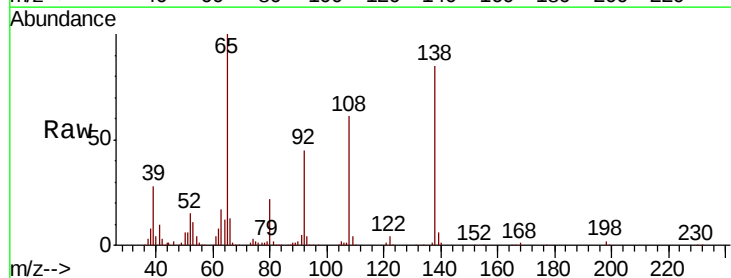
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 35.763 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.8	31.4	71.4
108	72.7	52.4	92.4

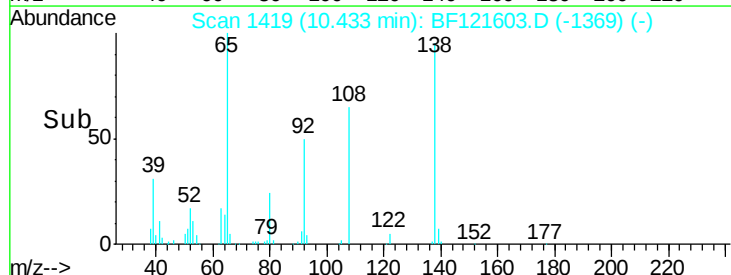
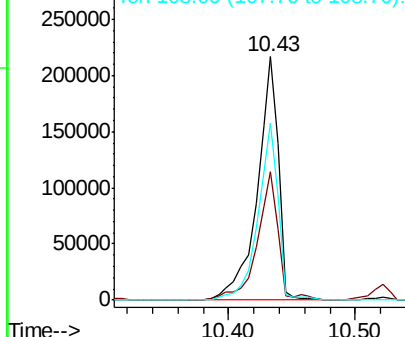


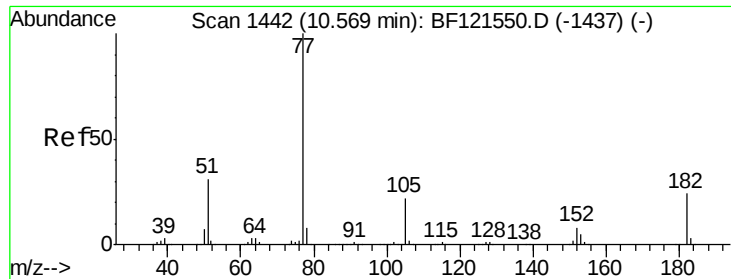
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





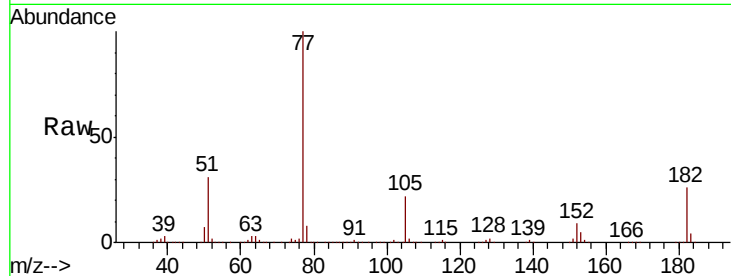
#63
Azobenzene
Concen: 39.472 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.3	3.9	43.9
105	22.2	2.2	42.2
51	31.4	11.1	51.1

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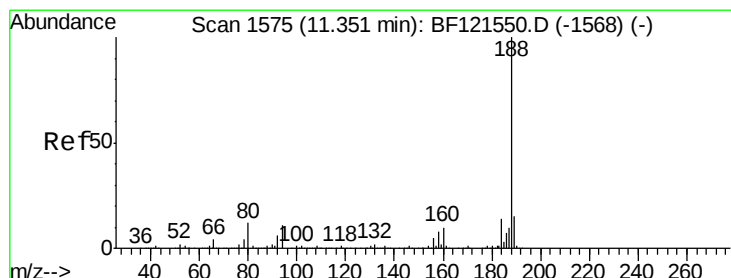
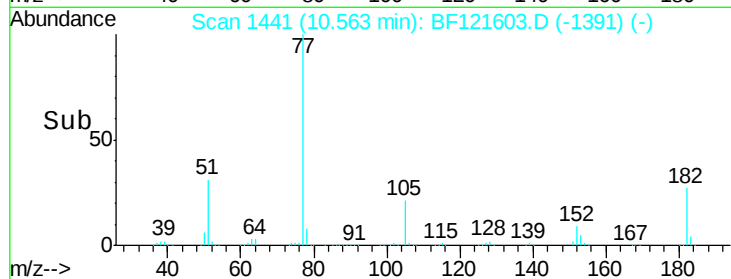
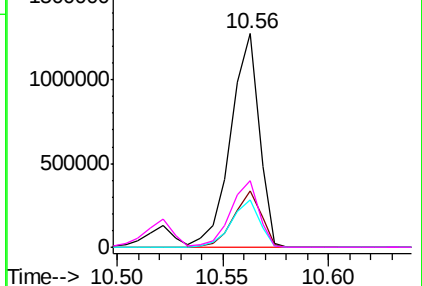
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

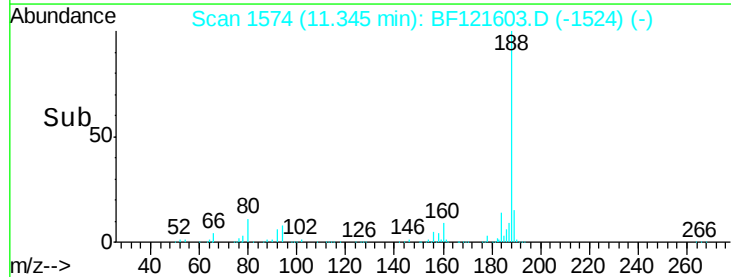
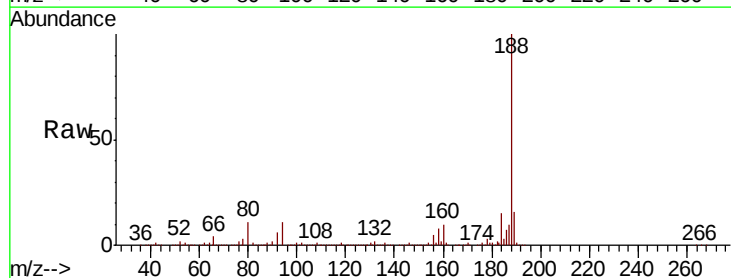
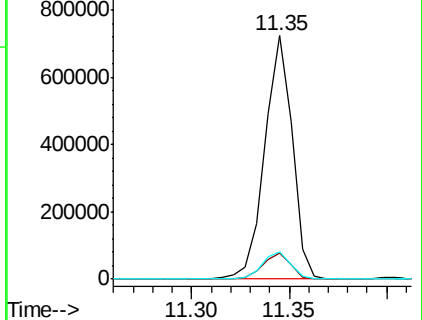
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.7	13.1
80	11.1	9.3	13.9

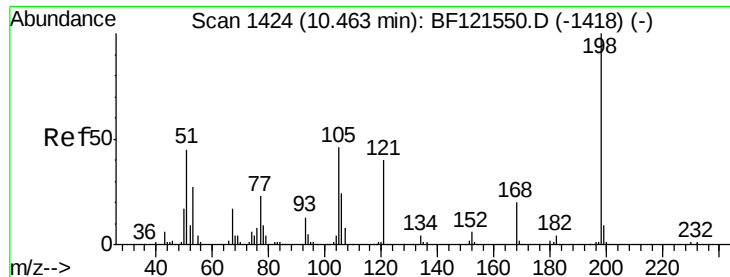
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 38.464 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

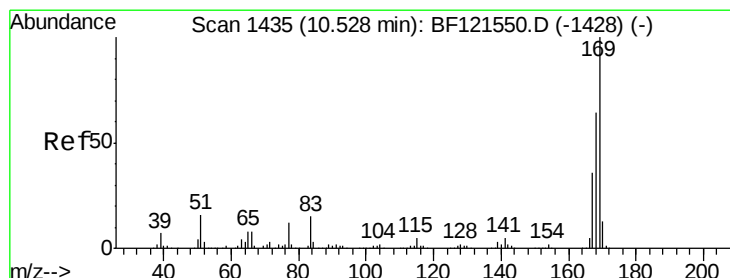
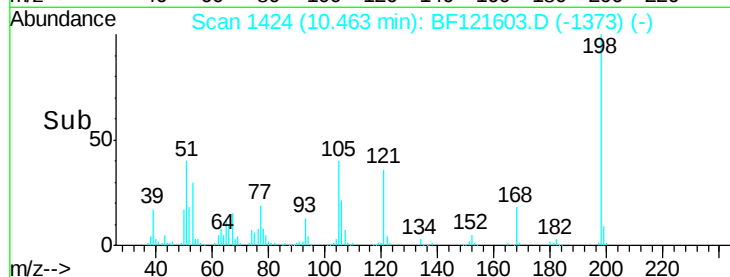
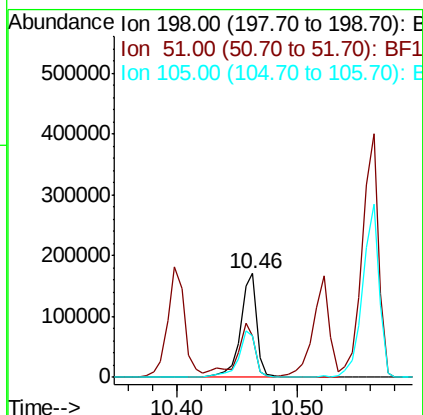
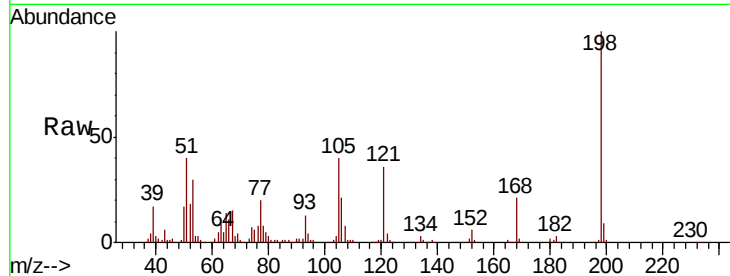
ClientSampleId :

SOIL-BORINGMSD

Tot Ion:	198	Resp:	160326
Ion Ratio	Lower	Upper	
198	100		
51	40.1	31.1	71.1
105	40.3	26.6	66.6

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#66

n-Nitrosodiphenylamine

Concen: 41.557 ng

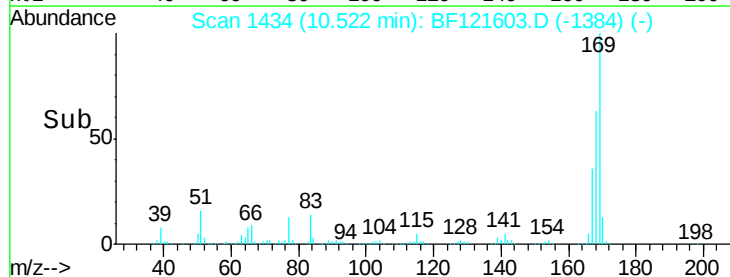
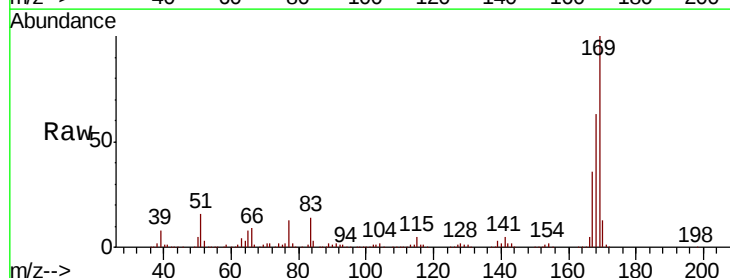
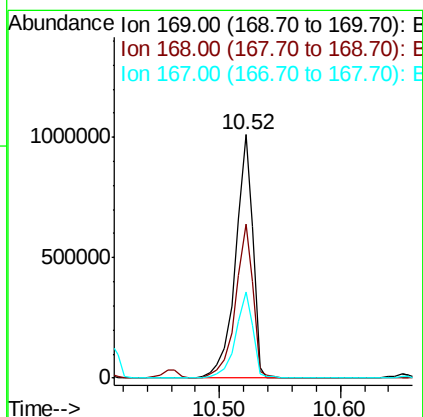
RT: 10.52 min Scan# 1434

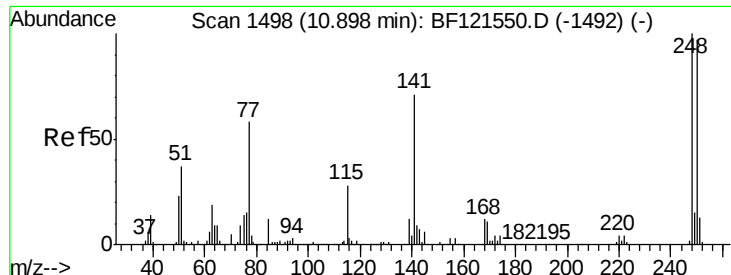
Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:	169	Resp:	1010153
Ion Ratio	Lower	Upper	
169	100		
168	63.4	51.2	76.8
167	35.6	28.9	43.3





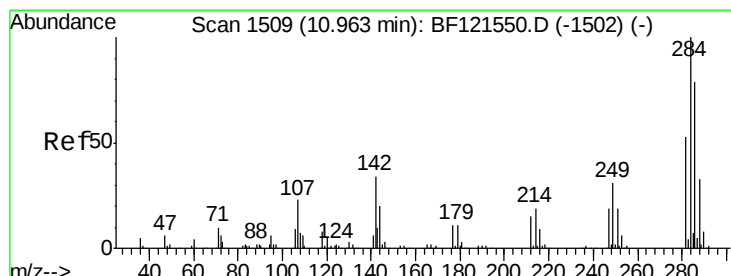
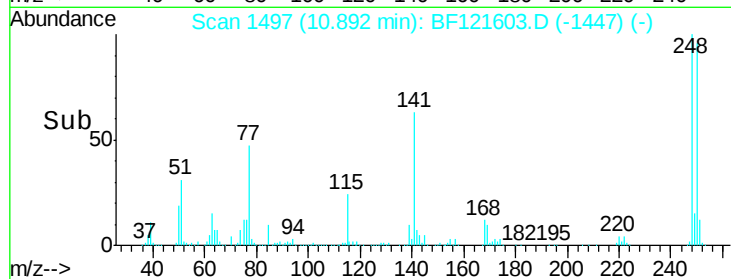
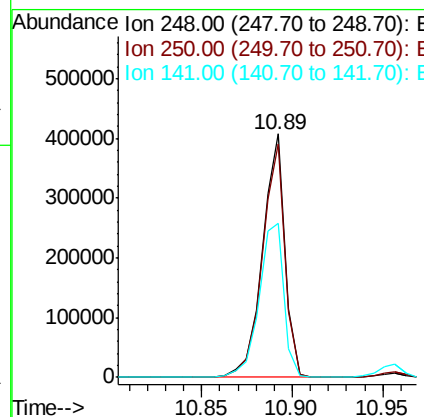
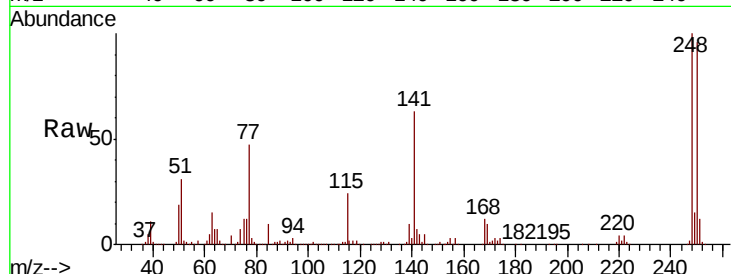
#67
4-Bromophenyl-phenylether
Concen: 43.497 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.4	116.0
141	63.0	56.7	85.1

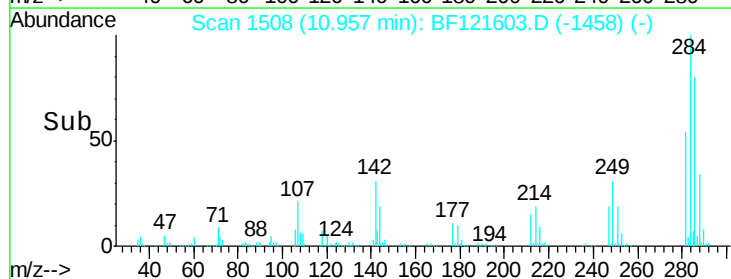
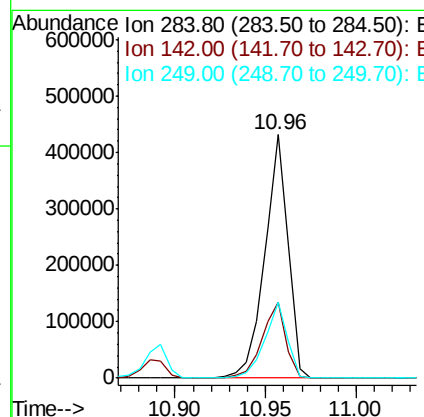
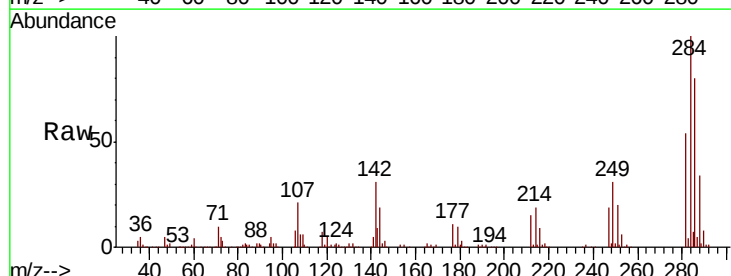
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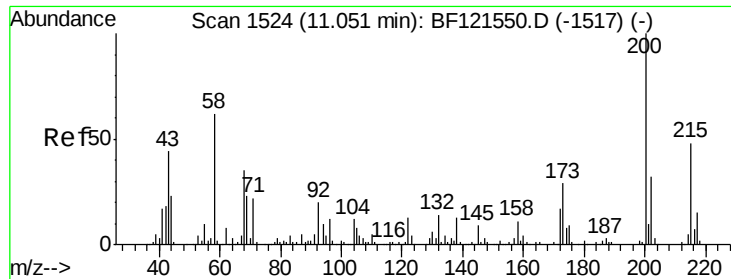
mohammad
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#68
Hexachlorobenzene
Concen: 42.423 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.2	27.0	40.4
249	30.9	24.7	37.1





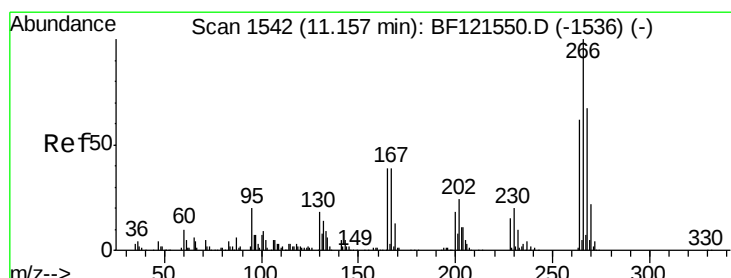
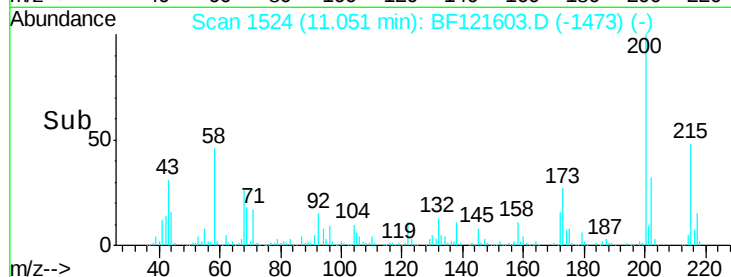
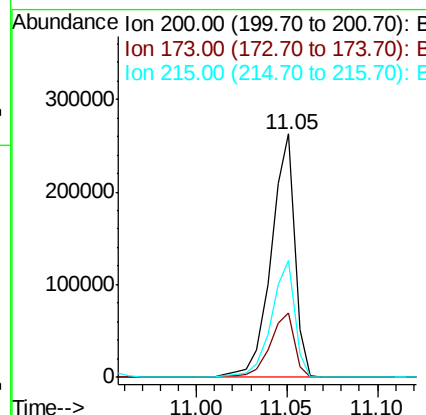
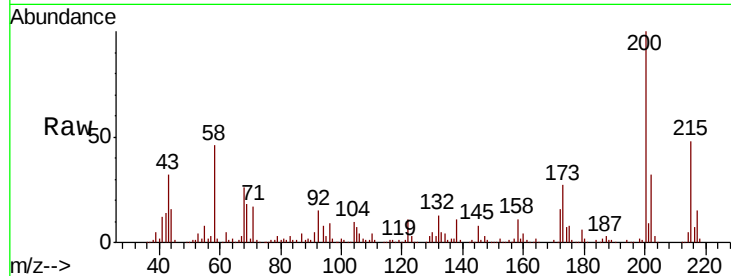
#69
Atrazine
Concen: 39.411 ng
RT: 11.05 min Scan# 1524
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.6	8.5	48.5
215	48.0	27.8	67.8

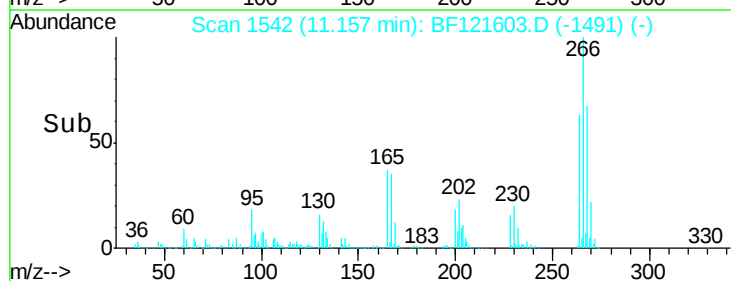
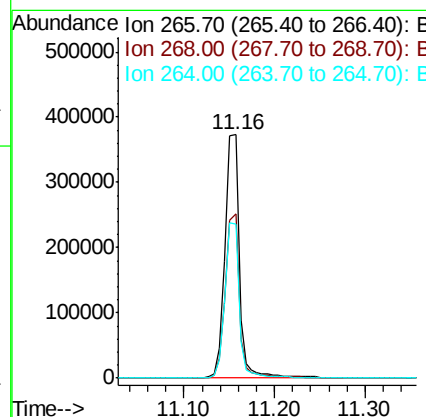
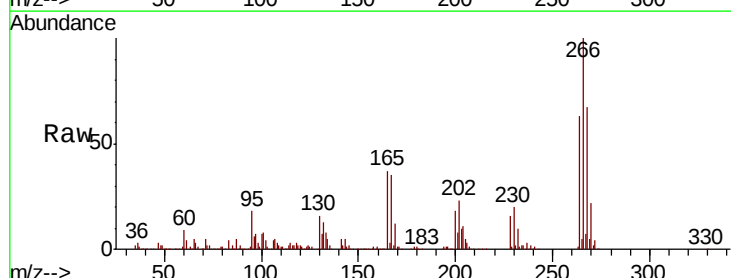
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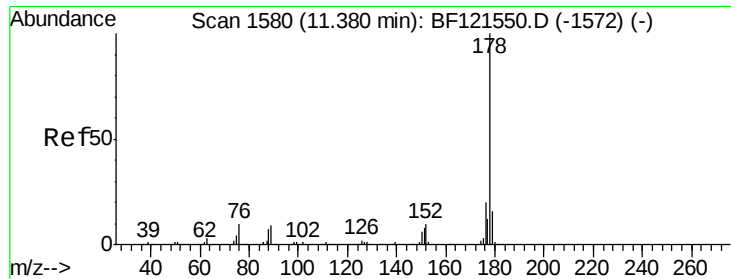
mohammad
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#70
Pentachlorophenol
Concen: 81.840 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	67.5	53.5	80.3
264	63.2	49.8	74.8





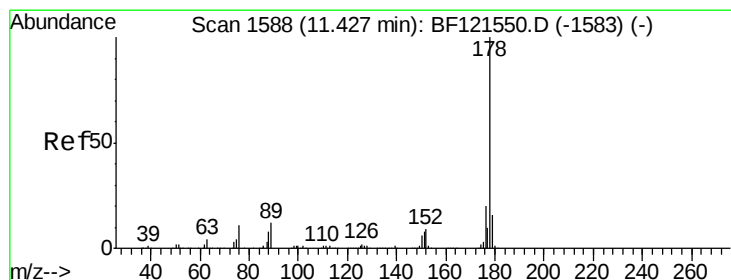
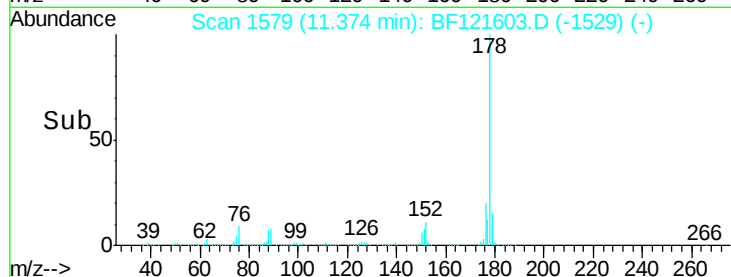
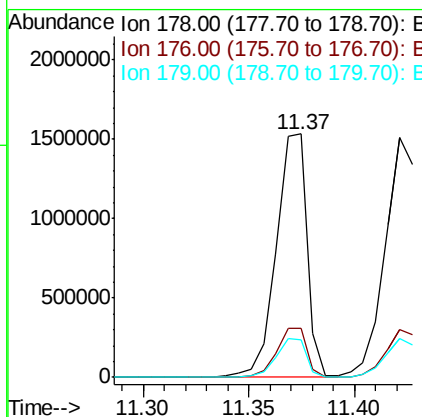
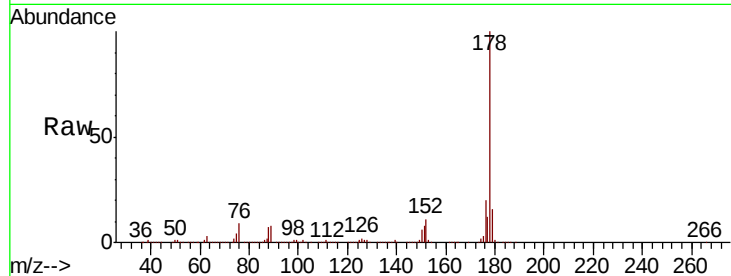
#71
Phenanthrene
Concen: 40.503 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion:178 Resp: 1563530
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.7 12.6 19.0

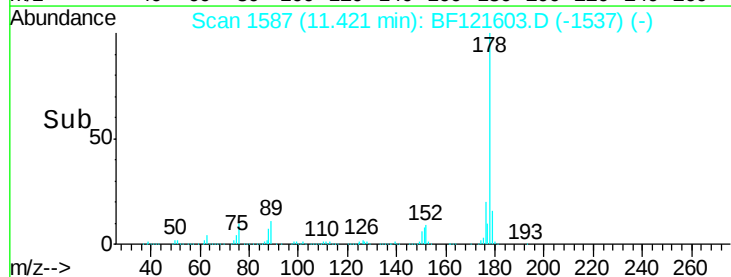
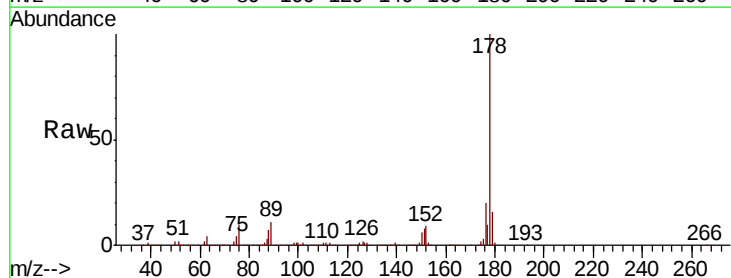
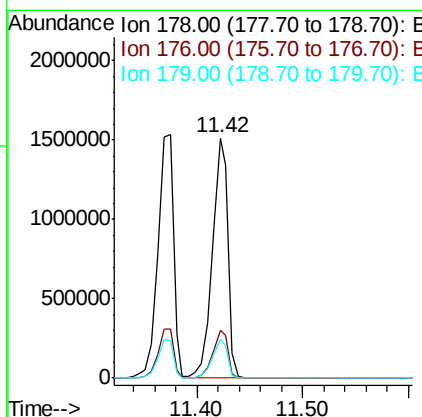
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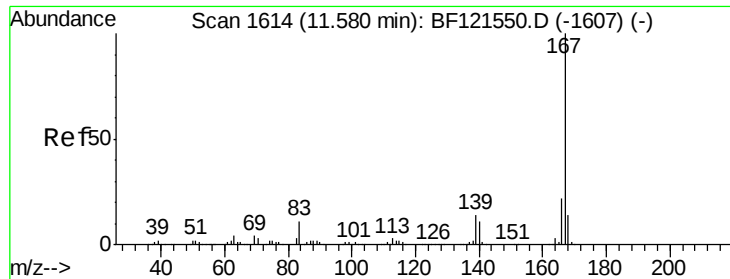
mohammad
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#72
Anthracene
Concen: 39.658 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:178 Resp: 1579829
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 16.1 12.8 19.2





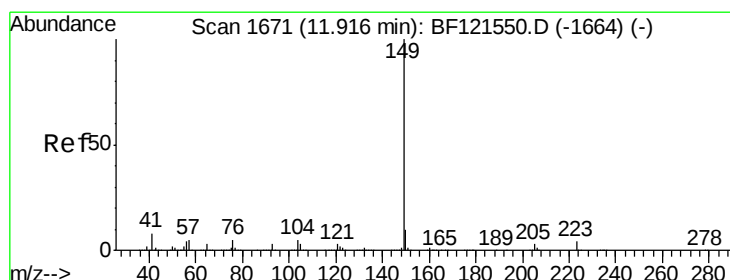
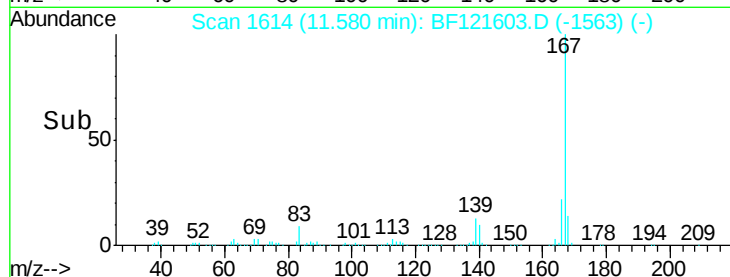
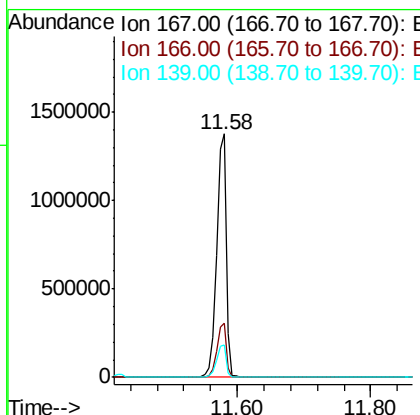
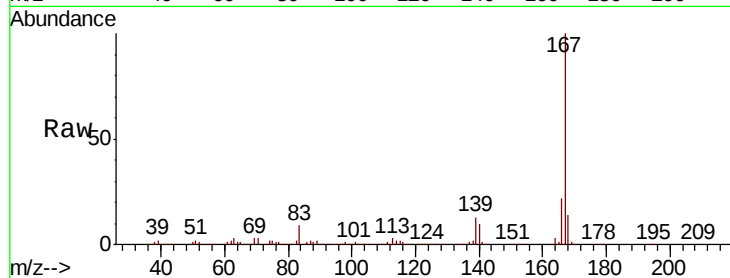
#73
 Carbazole
 Concen: 39.021 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion:167 Resp: 1402748
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.9 26.9
 139 13.3 11.2 16.8

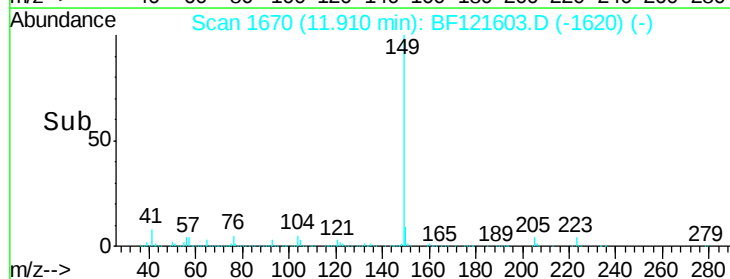
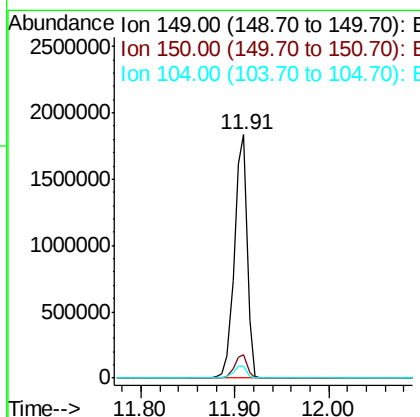
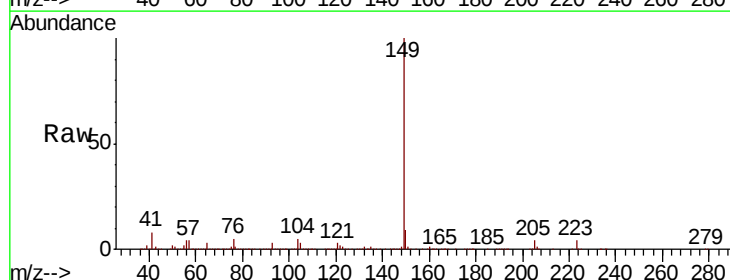
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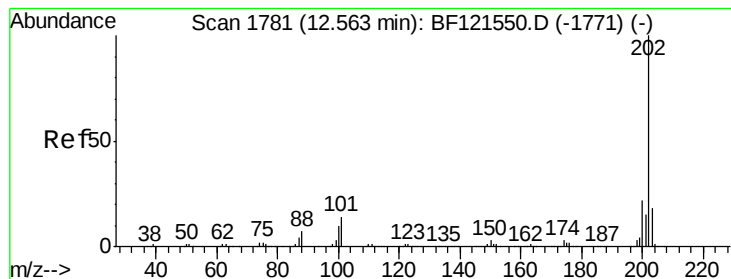
mohammad
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#74
 Di-n-butylphthalate
 Concen: 41.368 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion:149 Resp: 1716375
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.6 11.4
 104 5.0 4.2 6.4





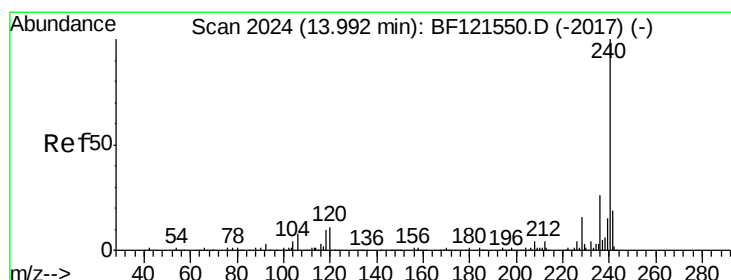
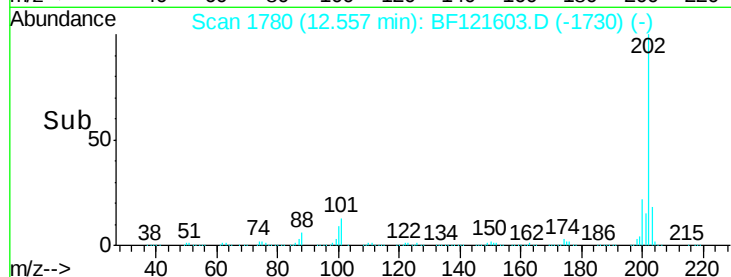
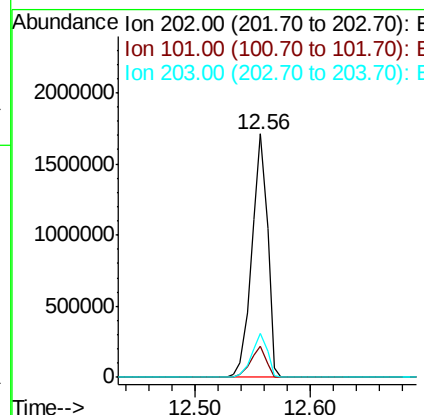
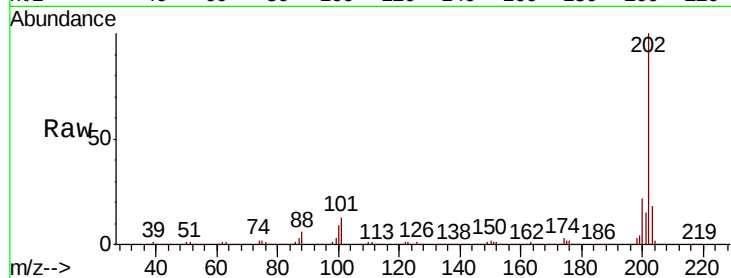
#75
 Fluoranthene
 Concen: 38.768 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.0
203	18.1	0.0	38.2

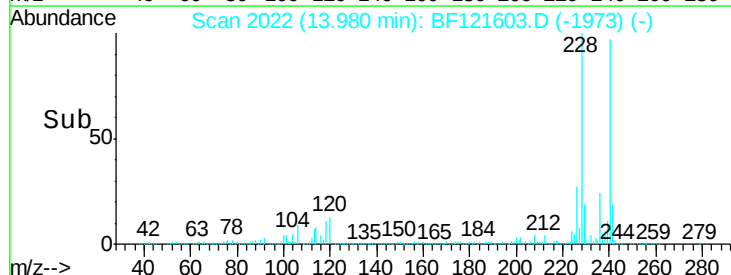
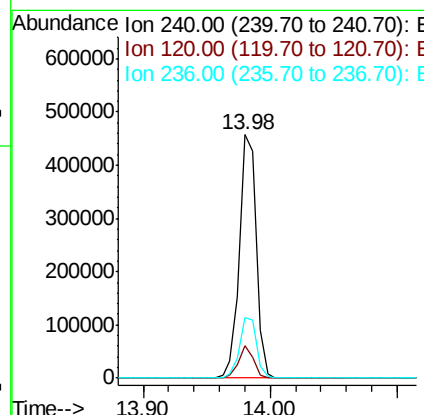
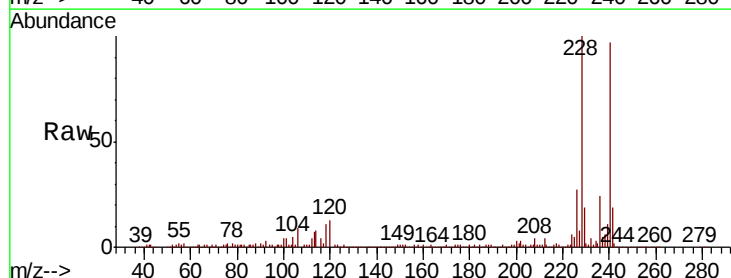
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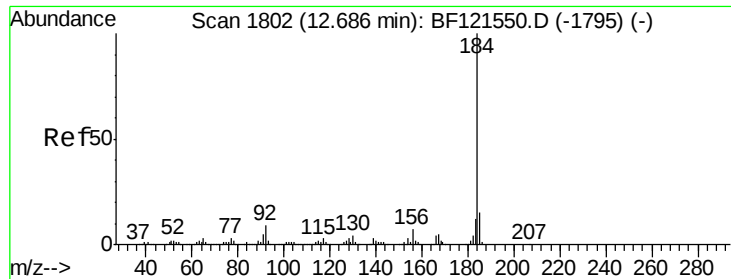
mohammad
 9/21/2020 10:32:23 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.2	13.8
236	24.7	20.5	30.7





#77

Benzidine

Concen: 39.944 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion:184 Resp: 551345

Ion Ratio Lower Upper

184 100

185 14.8 12.0 18.0

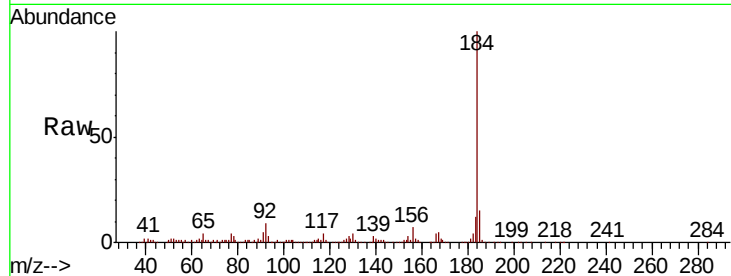
183 11.9 9.5 14.3

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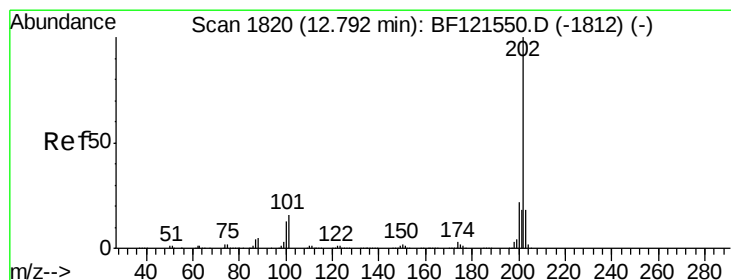
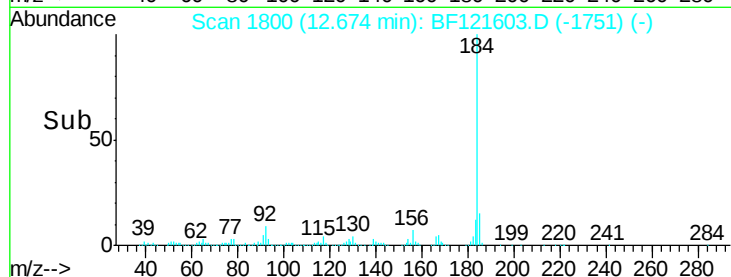
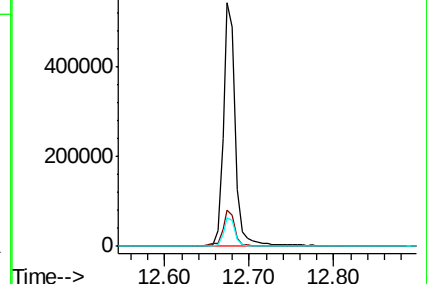
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.113 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

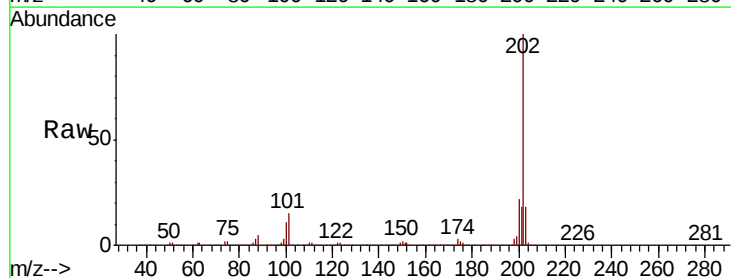
Tgt Ion:202 Resp: 1554862

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.8

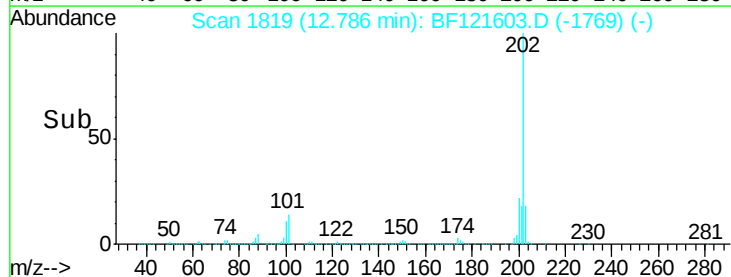
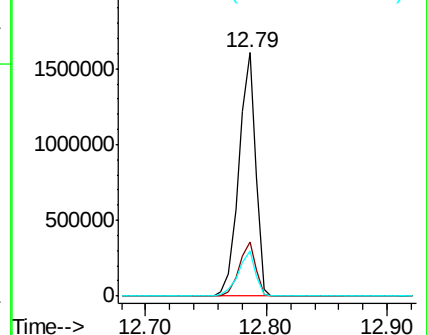
203 18.4 14.6 22.0

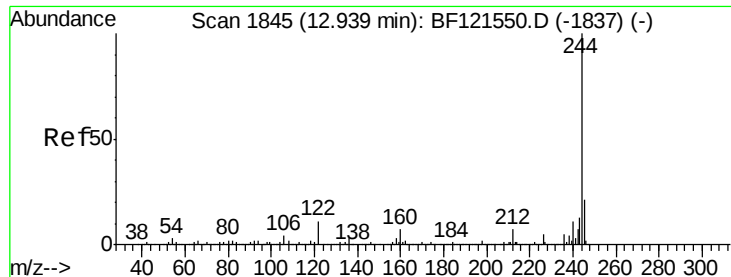


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 93.535 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

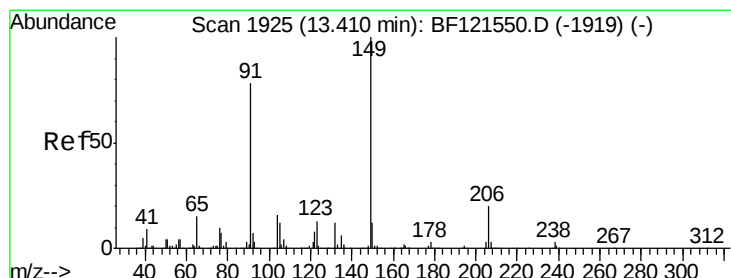
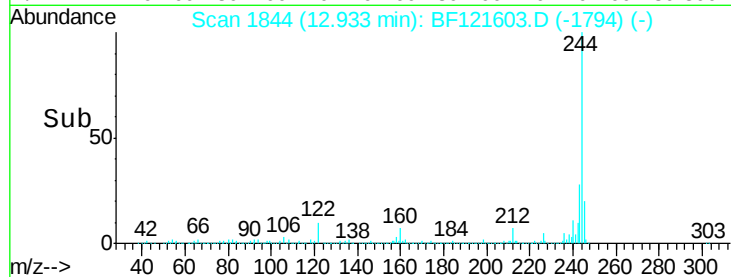
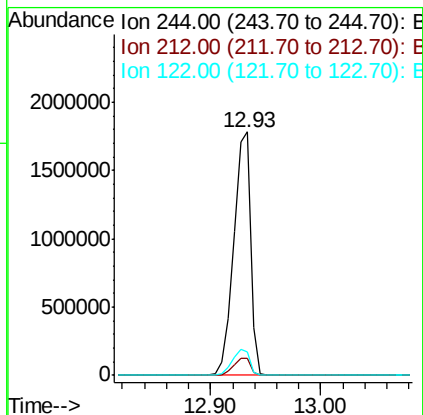
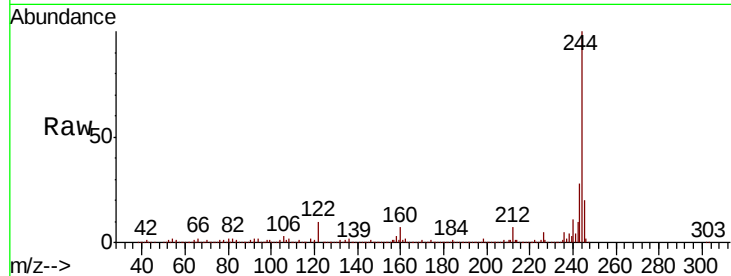
ClientSampleId :

SOIL-BORINGMSD

Tot Ion:	244	Resp:	1922311
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	9.9	8.7	13.1

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#80

Butylbenzylphthalate

Concen: 53.104 ng

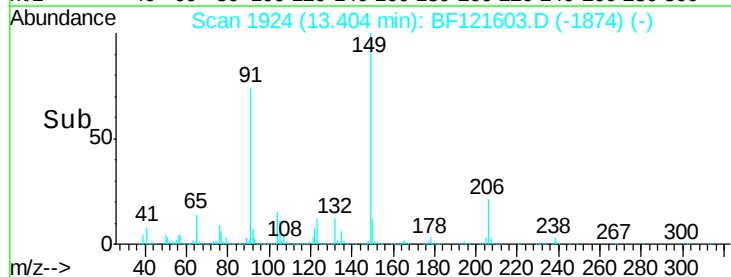
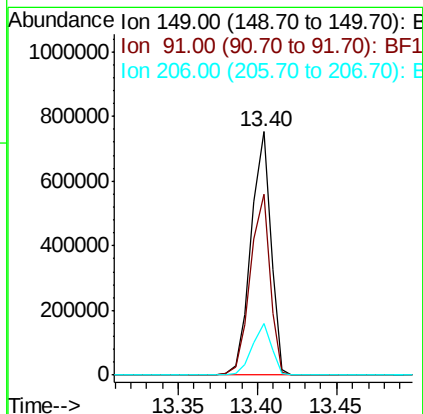
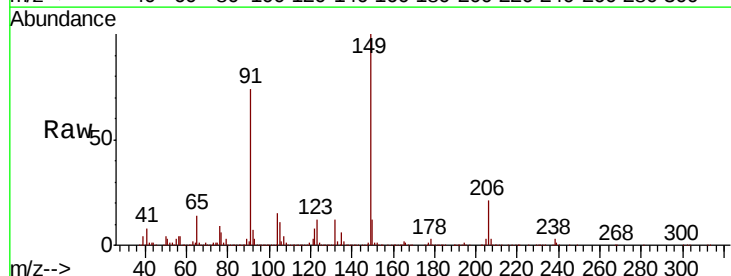
RT: 13.40 min Scan# 1924

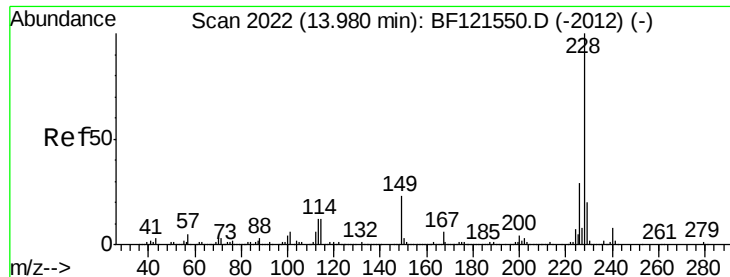
Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Tgt Ion:	149	Resp:	653338
Ion	Ratio	Lower	Upper
149	100		
91	74.4	62.6	94.0
206	21.4	15.8	23.6





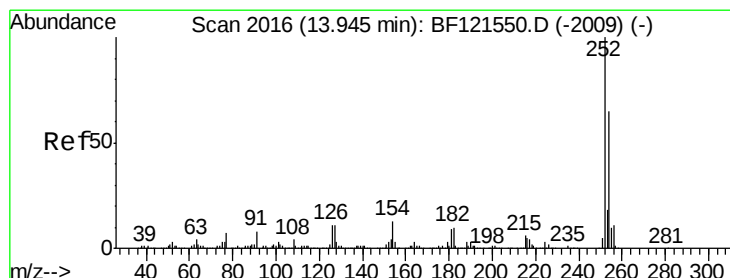
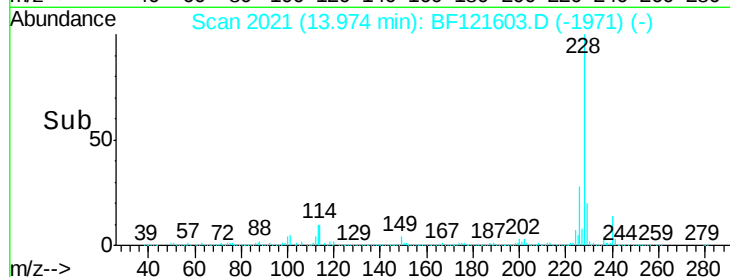
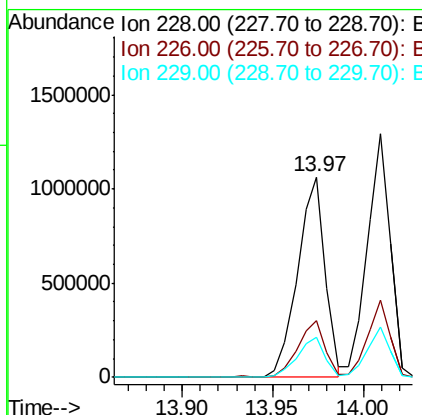
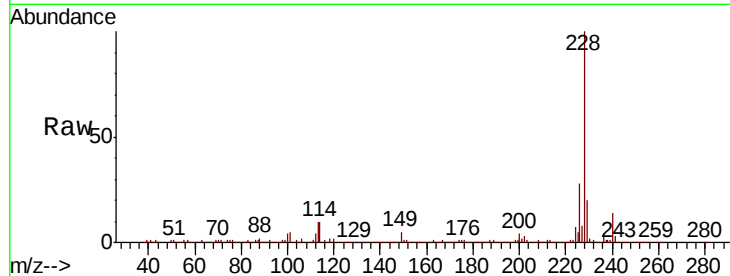
#81
Benzo(a)anthracene
Concen: 42.926 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.9	34.3
229	20.2	16.3	24.5

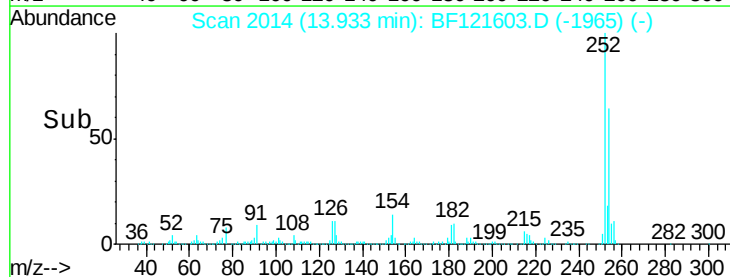
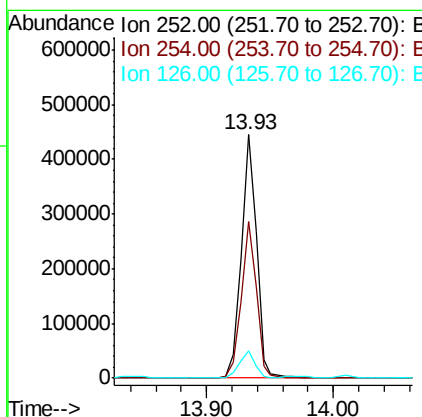
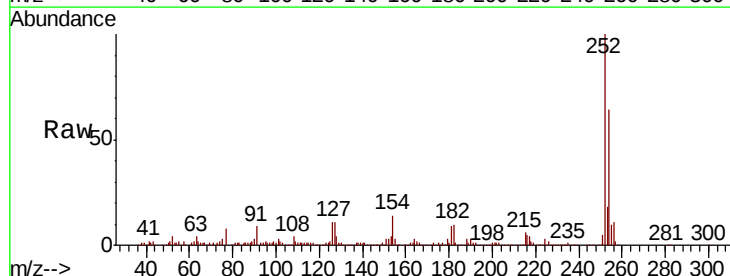
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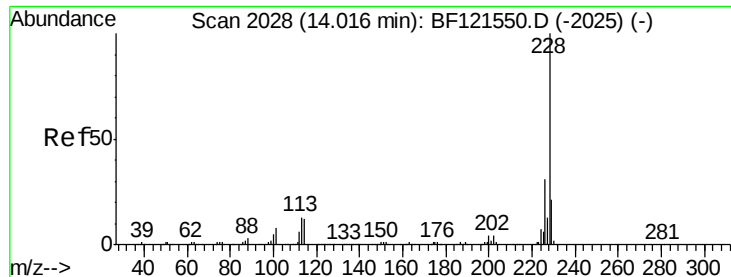
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 35.521 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.3	78.5
126	11.2	9.1	13.7





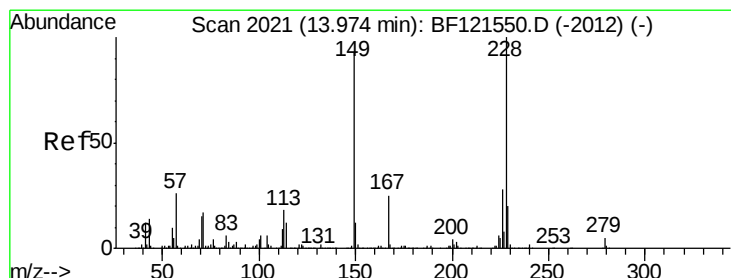
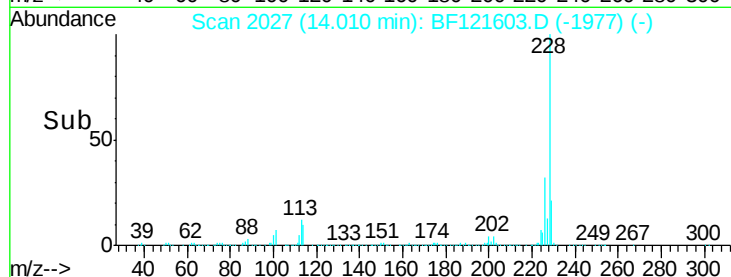
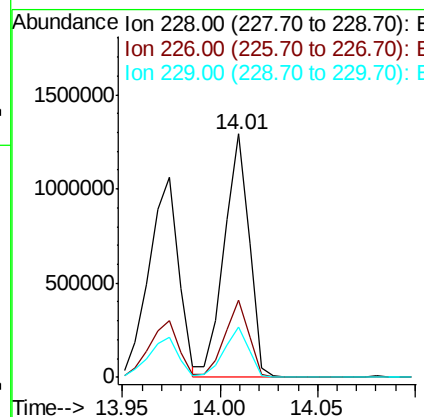
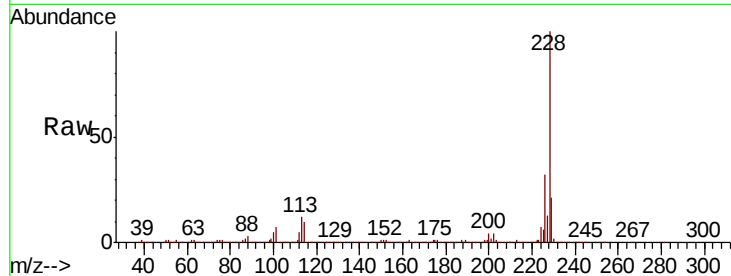
#83
 Chrysene
 Concen: 43.069 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.1	37.7
229	20.6	16.6	25.0

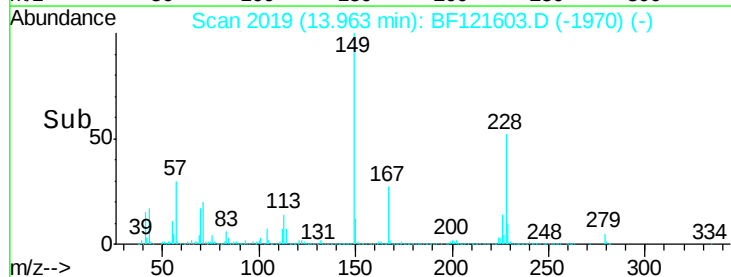
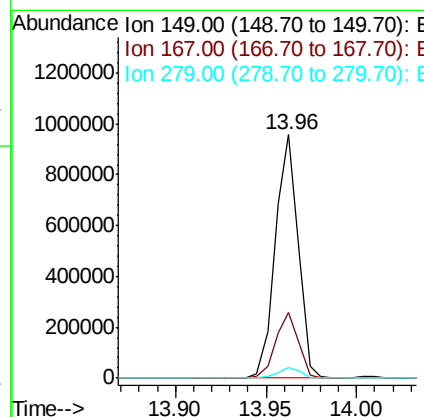
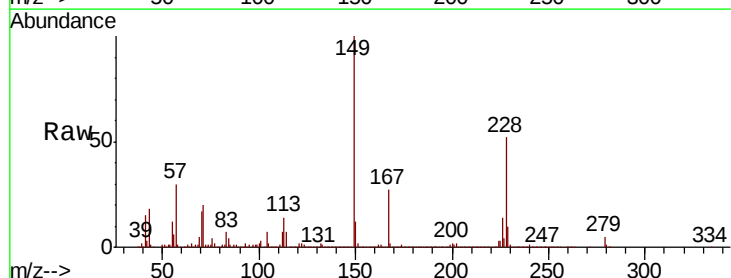
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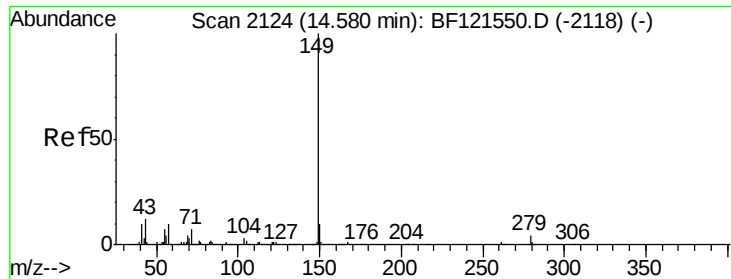
mohammad
 9/21/2020 10:32:23 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 50.602 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.6	4.1	6.1





#85

Di-n-octyl phthalate

Concen: 46.427 ng

RT: 14.57 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

Instrument :

BNA_F

ClientSampleId :

SOIL-BORINGMSD

Tot Ion:149 Resp: 1346649

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

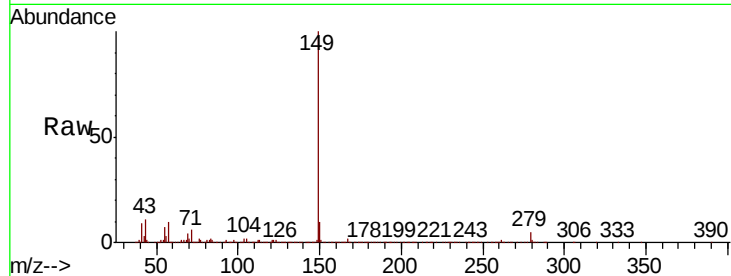
43 11.1 9.4 14.0

Manual Integrations

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mohammad

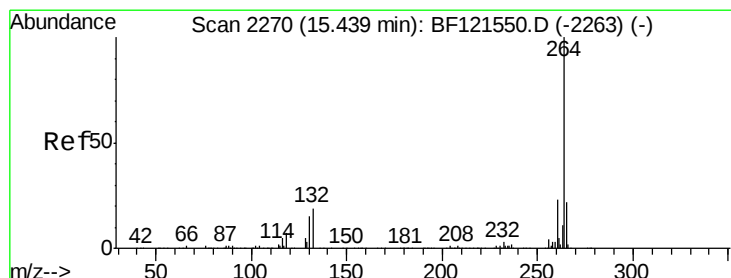
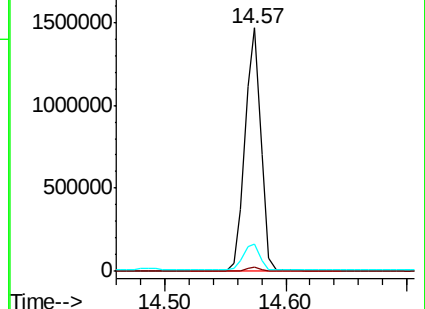
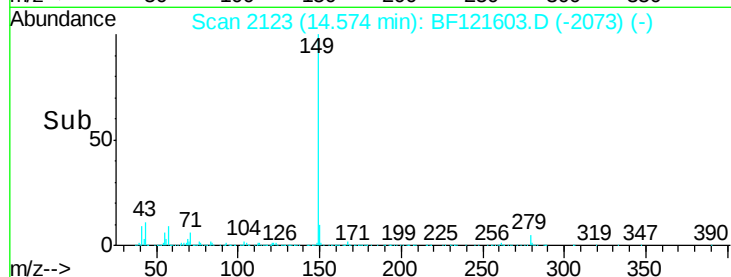
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Abundance Ion 149.00 (148.70 to 149.70): E

2000000 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# 2269

Delta R.T. -0.01 min

Lab File: BF121603.D

Acq: 17 Sep 2020 18:24

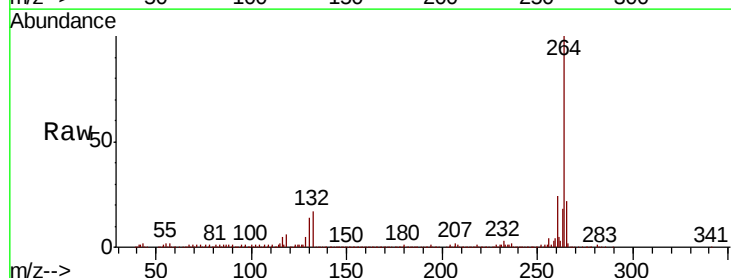
Tgt Ion:264 Resp: 382117

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

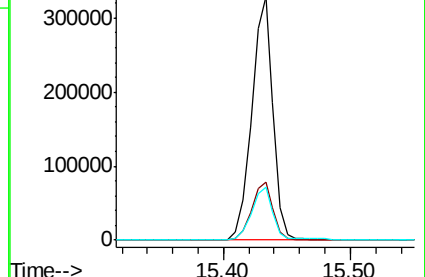
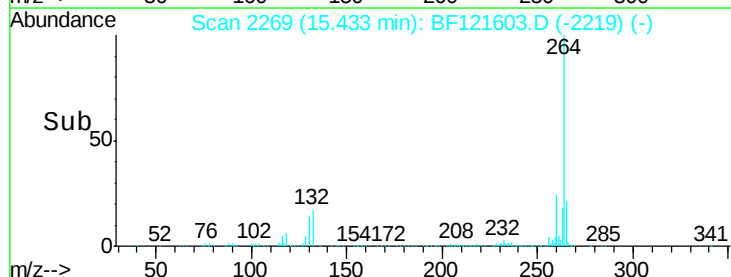
265 21.5 17.8 26.6

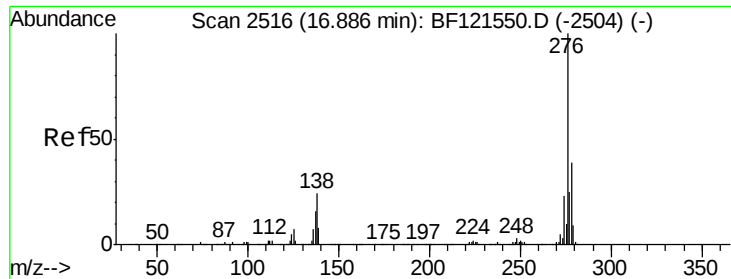


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





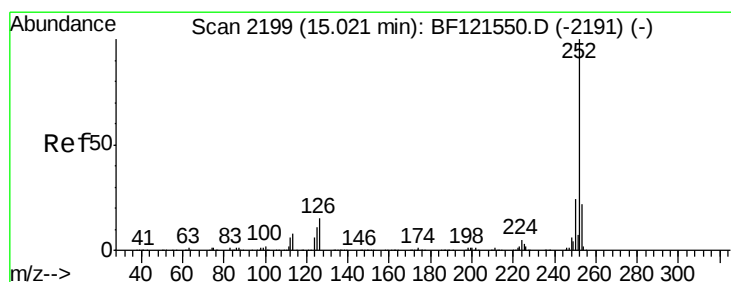
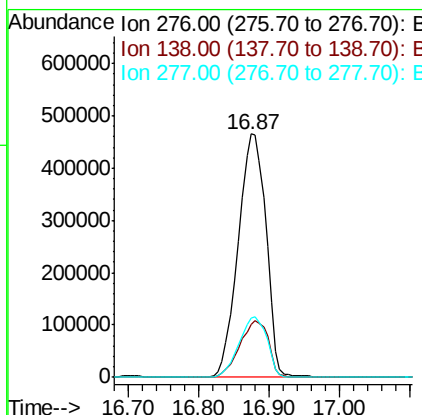
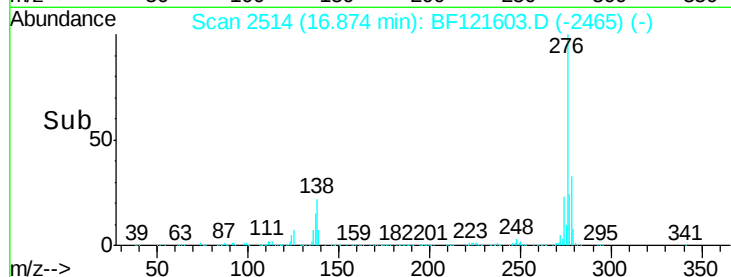
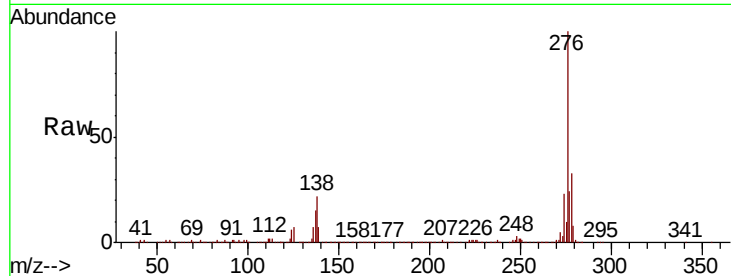
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 51.464 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.6	31.0
277	25.4	20.2	30.4

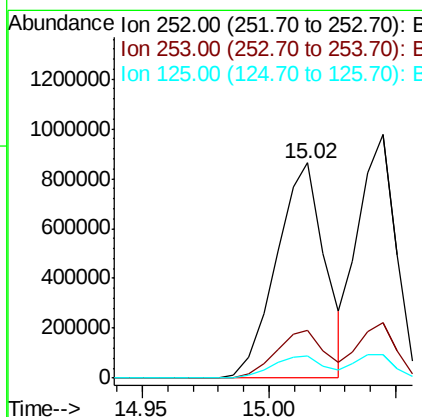
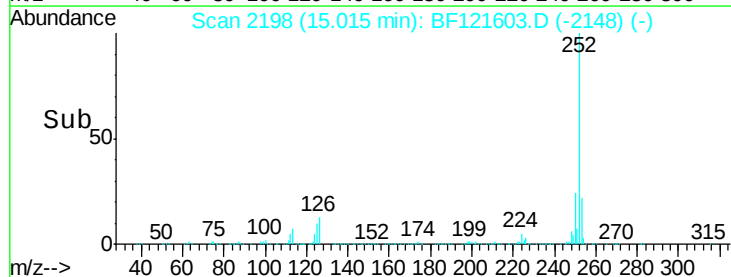
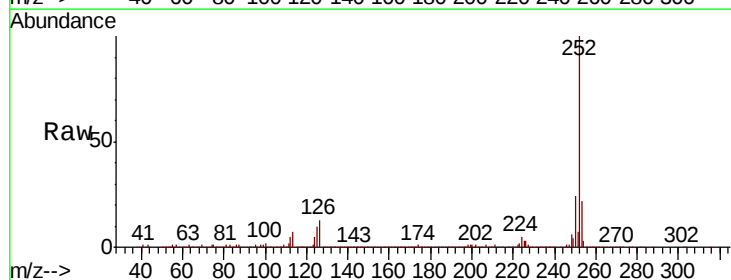
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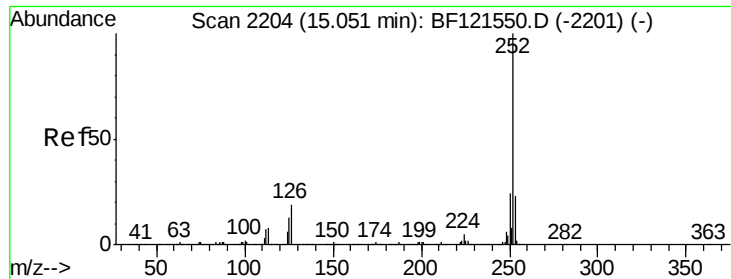
mohammad
 9/21/2020 10:32:23 AM



#88
 Benzo(b)fluoranthene
 Concen: 45.090 ng
 RT: 15.02 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BF121603.D
 Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.2	9.2	13.8





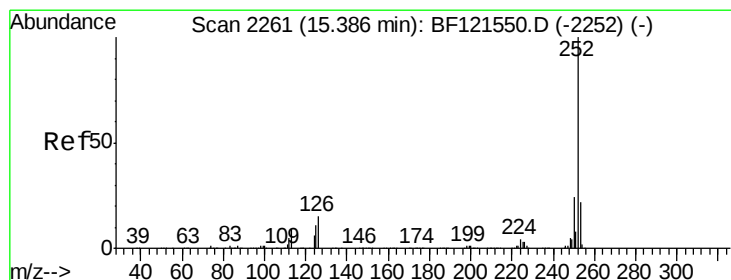
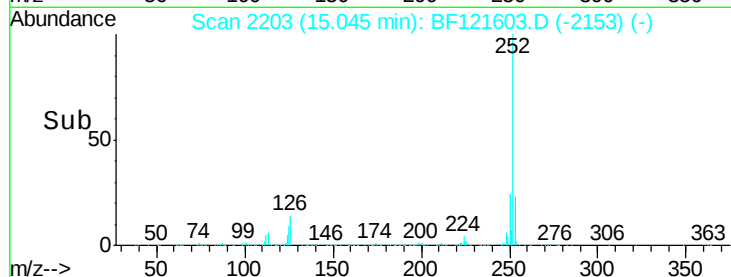
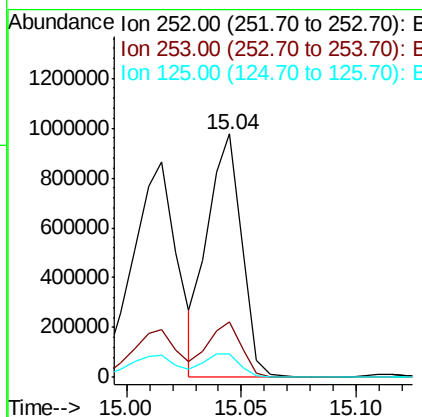
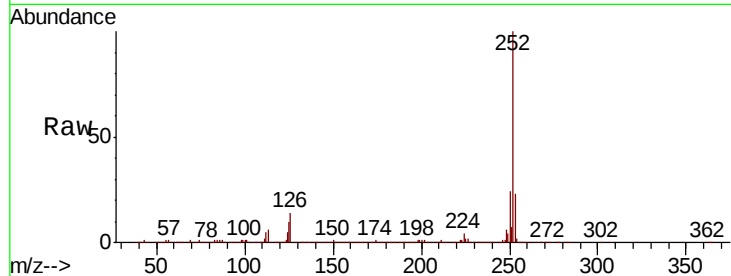
#89
Benzo(k)fluoranthene
Concen: 42.819 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion:252 Resp: 1001649
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 9.7 9.8 14.6#

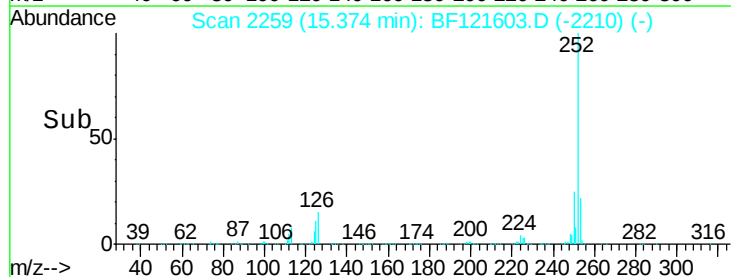
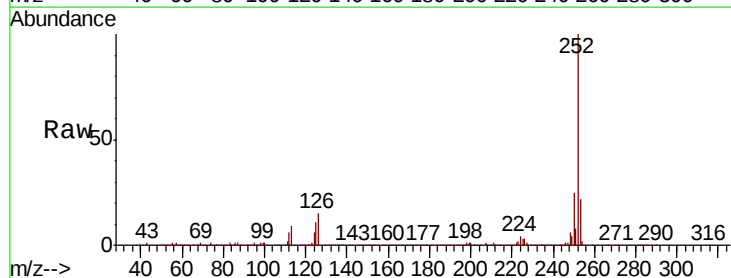
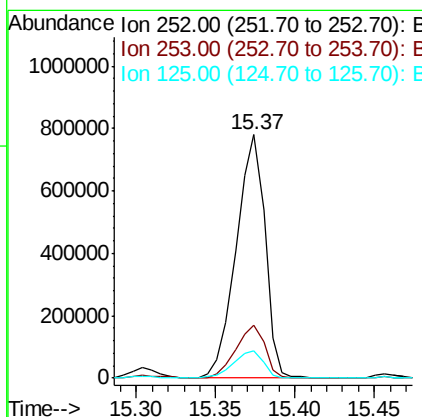
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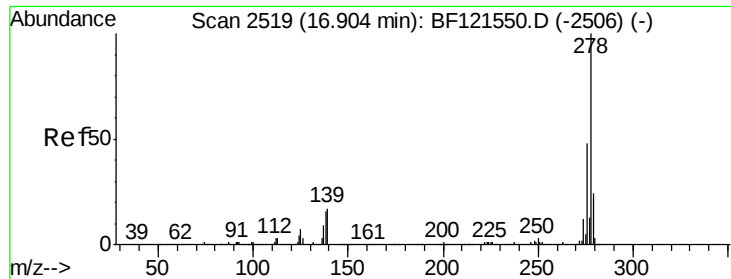
mohammad
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#90
Benzo(a)pyrene
Concen: 45.197 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion:252 Resp: 981406
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.3 9.0 13.4





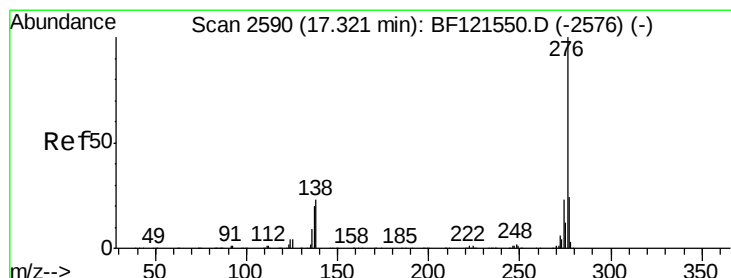
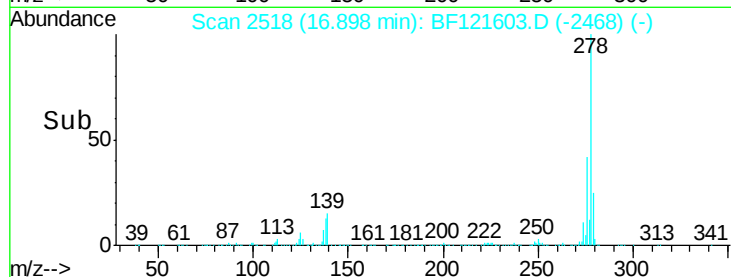
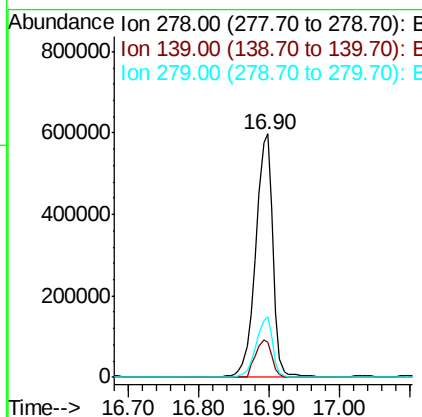
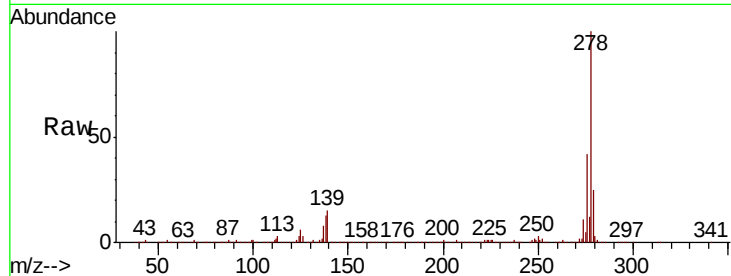
#91
Dibenzo(a,h)anthracene
Concen: 49.043 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.9	20.9
279	24.6	19.2	28.8

Manual Integrations
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mohammad
9/21/2020 10:32:23 AM



#92
Benzo(g,h,i)perylene
Concen: 53.212 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.01 min
Lab File: BF121603.D
Acq: 17 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	20.5	18.7	28.1

