

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
 Data File : BG044003.D
 Acq On : 10 Jan 2020 15:35
 Operator : JU
 Sample : L1064-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-AMSD

Manual Integrations
 APPROVED

mohammad
 1/13/2020 2:21:00 PM

Quant Time: Jan 11 04:51:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	113674	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	487061	20.00	ng	-0.02
39) Acenaphthene-d10	14.59	164	314208	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	651391	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	558153	20.00	ng	-0.02
87) Perylene-d12	24.69	264	638045	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	600723	97.03	ng	0.00
7) Phenol-d6	7.12	99	837976	96.83	ng	0.00
23) Nitrobenzene-d5	9.11	82	474732	52.14	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	297853	90.58	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	1002835	57.82	ng	-0.02
79) Terphenyl-d14	19.94	244	1413274	54.84	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	118929	44.058	ng	95
3) Pyridine	3.81	79	287976	36.112	ng	96
4) n-Nitrosodimethylamine	3.73	42	146710	41.322	ng	98
6) Aniline	7.27	93	300669	26.452	ng	97
8) 2-Chlorophenol	7.52	128	354029	48.710	ng	99
9) Benzaldehyde	7.08	77	190386	34.374	ng	100
10) Phenol	7.15	94	460272	51.622	ng	98
11) bis(2-Chloroethyl)ether	7.37	93	333778	43.368	ng	98
12) 1,3-Dichlorobenzene	7.84	146	371441	43.672	ng	99
13) 1,4-Dichlorobenzene	7.98	146	370931	44.201	ng	99
14) 1,2-Dichlorobenzene	8.31	146	353002	43.825	ng	99
15) Benzyl Alcohol	8.19	79	298339	43.682	ng	100
16) 2,2'-oxybis(1-Chloropropan	8.48	45	460843	38.703	ng	99
17) 2-Methylphenol	8.39	107	304661	47.217	ng	99
18) Hexachloroethane	9.04	117	140537	43.038	ng	98
19) n-Nitroso-di-n-propylamine	8.76	70	262773	40.774	ng	98
20) 3+4-Methylphenols	8.72	107	418326	46.475	ng	99
22) Acetophenone	8.77	105	484399	40.004	ng	# 99
24) Nitrobenzene	9.15	77	370195	41.053	ng	98
25) Isophorone	9.68	82	712939	41.738	ng	99
26) 2-Nitrophenol	9.86	139	198679	46.569	ng	98
27) 2,4-Dimethylphenol	9.93	122	337270	52.517	ng	97
28) bis(2-Chloroethoxy)methane	10.16	93	456802	40.114	ng	99
29) 2,4-Dichlorophenol	10.40	162	349658	45.645	ng	99
30) 1,2,4-Trichlorobenzene	10.62	180	354579	41.282	ng	99
31) Naphthalene	10.80	128	1033715	43.858	ng	99
32) Benzoic acid	10.07	122	167232	34.067	ng	92
33) 4-Chloroaniline	10.90	127	147502	13.121	ng	99
34) Hexachlorobutadiene	11.10	225	209223	39.896	ng	98
35) Caprolactam	11.67	113	127695m	44.778	ng	
36) 4-Chloro-3-methylphenol	12.04	107	367652	45.083	ng	98
37) 2-Methylnaphthalene	12.41	142	765179	43.122	ng	97
38) 1-Methylnaphthalene	12.63	142	728083	43.293	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.78	216	364847	39.617	ng	99

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 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.77	237	460556	96.461	nq	97
43) 2,4,6-Trichlorophenol	13.02	196	272057	42.933	nq	97
44) 2,4,5-Trichlorophenol	13.09	196	297437	45.510	nq	99
46) 1,1'-Biphenyl	13.42	154	961154	42.664	nq	99
47) 2-Chloronaphthalene	13.46	162	751305	41.271	nq	99
48) 2-Nitroaniline	13.66	65	229360	39.168	nq	99
49) Acenaphthylene	14.31	152	1172103	44.797	nq	99
50) Dimethylphthalate	14.04	163	1019080	45.678	nq	99
51) 2,6-Dinitrotoluene	14.15	165	219060	43.442	nq	97
52) Acenaphthene	14.65	154	748330	40.783	nq	98
53) 3-Nitroaniline	14.48	138	123970	21.649	nq	97
54) 2,4-Dinitrophenol	14.69	184	197497	77.092	nq	97
55) Dibenzofuran	14.98	168	1113769	44.093	nq	99
56) 4-Nitrophenol	14.80	139	407390	92.840	nq	94
57) 2,4-Dinitrotoluene	14.94	165	300293	43.765	nq	97
58) Fluorene	15.63	166	878099	43.859	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.21	232	252668	44.959	nq	97
60) Diethylphthalate	15.40	149	962778	43.146	nq	99
61) 4-Chlorophenyl-phenylether	15.63	204	457679	42.100	nq	97
62) 4-Nitroaniline	15.65	138	216693	38.320	nq	94
63) Azobenzene	15.92	77	882812	42.660	nq	99
65) 4,6-Dinitro-2-methylphenol	15.70	198	158700	47.352	nq	99
66) n-Nitrosodiphenylamine	15.84	169	824305	42.971	nq	99
67) 4-Bromophenyl-phenylether	16.52	248	297741	40.641	nq	97
68) Hexachlorobenzene	16.64	284	319407	40.461	nq	96
69) Atrazine	16.79	200	311927	50.025	nq	99
70) Pentachlorophenol	16.98	266	376757	86.578	nq	100
71) Phenanthrene	17.37	178	1381922	44.230	nq	99
72) Anthracene	17.46	178	1420816	46.014	nq	100
73) Carbazole	17.73	167	1289858	45.222	nq	98
74) Di-n-butylphthalate	18.30	149	1578082	43.334	nq	99
75) Fluoranthene	19.38	202	1585320	44.367	nq	99
77) Benzidine	19.55	184	685763	48.880	nq	98
78) Pyrene	19.73	202	1586276	43.540	nq	98
80) Butylbenzylphthalate	20.63	149	738336	42.567	nq	98
81) Benzo(a)anthracene	21.56	228	1531455	44.250	nq	98
82) 3,3'-Dichlorobenzidine	21.47	252	319550	23.370	nq	100
83) Chrysene	21.62	228	1449598	44.080	nq	99
84) Bis(2-ethylhexyl)phthalate	21.48	149	1047293	43.759	nq	99
85) Di-n-octyl phthalate	22.66	149	1802359	44.795	nq	98
86) Indeno(1,2,3-cd)pyrene	28.23	276	1865230	41.735	nq	# 92
88) Benzo(b)fluoranthene	23.71	252	1619475	42.935	nq	100
89) Benzo(k)fluoranthene	23.78	252	1569421	43.754	nq	99
90) Benzo(a)pyrene	24.55	252	1497922	42.076	nq	99
91) Dibenzo(a,h)anthracene	28.29	278	1529961	42.792	nq	98
92) Benzo(g,h,i)perylene	29.33	276	1538594	43.323	nq	98

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



#1

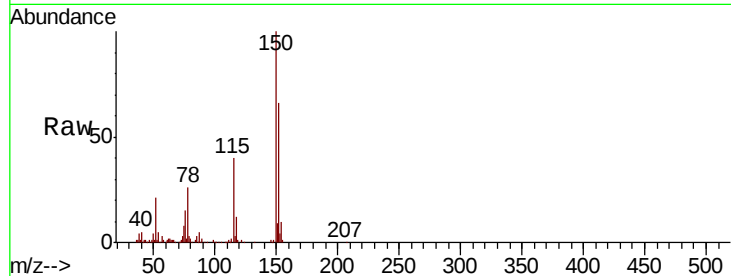
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	127.0	190.4
115	60.2	47.8	71.8

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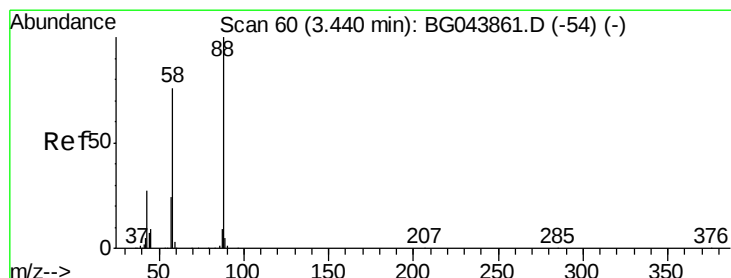
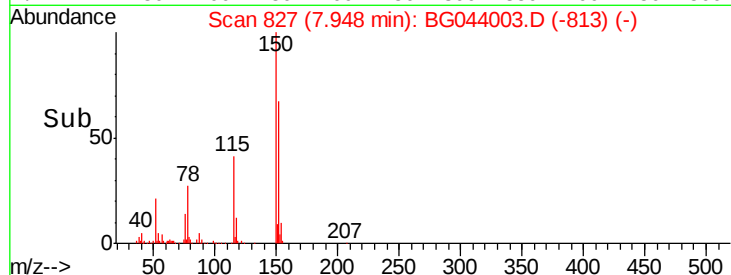
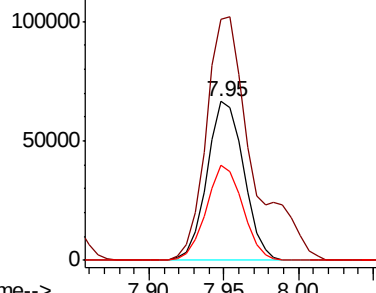


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

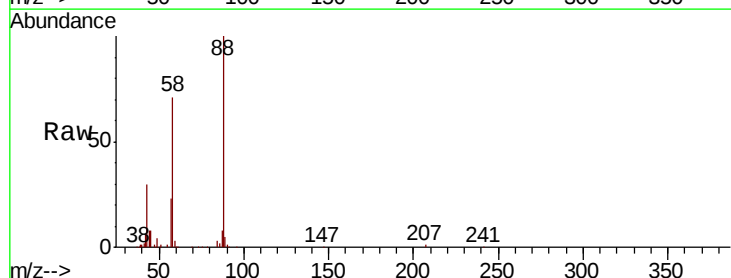
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 44.058 ng
RT: 3.42 min Scan# 57
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.2	59.8	89.8
43	30.2	22.9	34.3

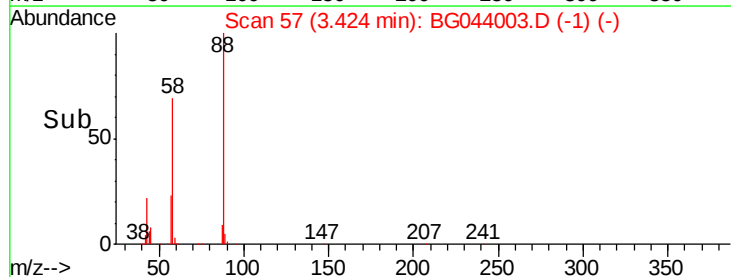
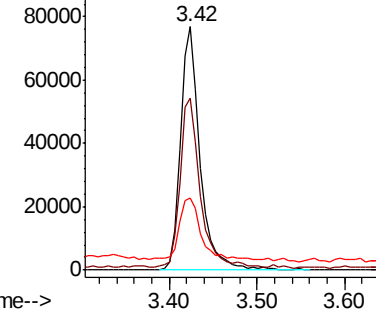


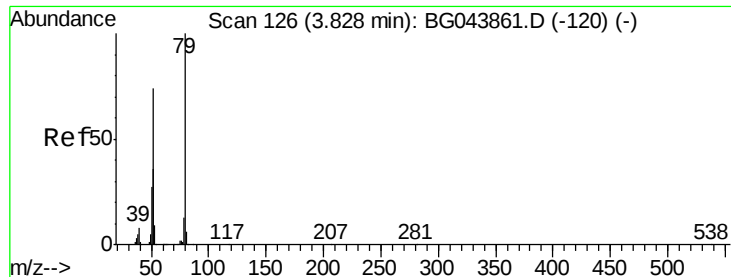
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 36.112 ng

RT: 3.81 min Scan# 123

Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

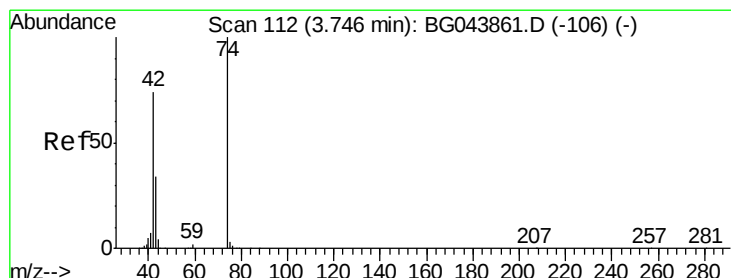
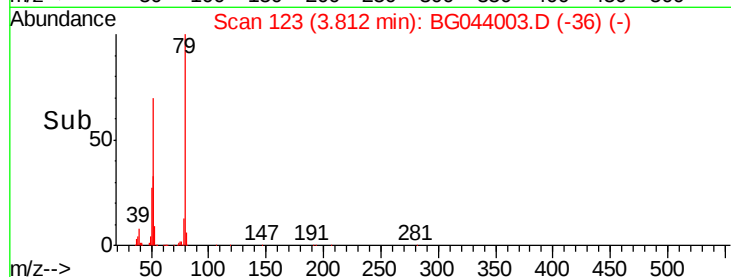
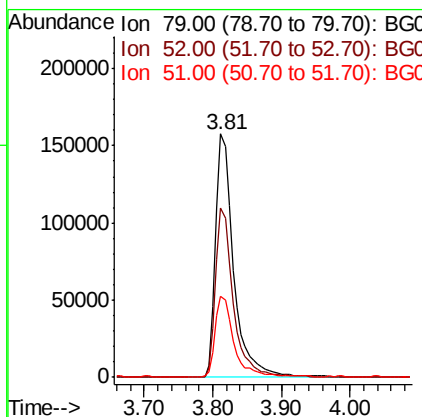
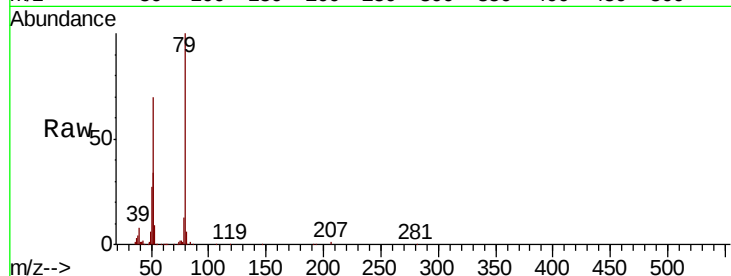
ClientSampleId :

SOIL-AMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		287976		
52	69.7	58.9	88.3		
51	33.5	28.6	43.0		

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#4

n-Nitrosodimethylamine

Concen: 41.322 ng

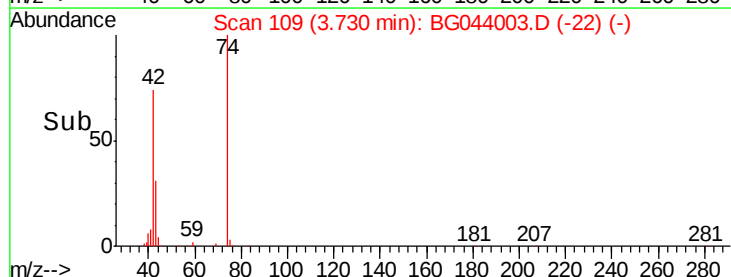
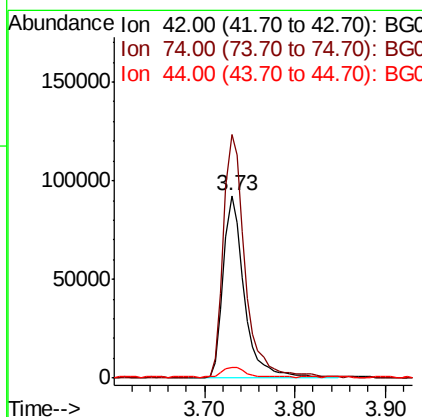
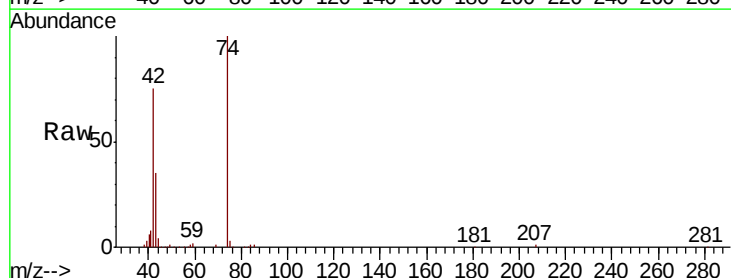
RT: 3.73 min Scan# 109

Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		146710		
74	133.6	108.6	162.8		
44	5.9	5.0	7.6		





#5

2-Fluorophenol

Concen: 97.032 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.00 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

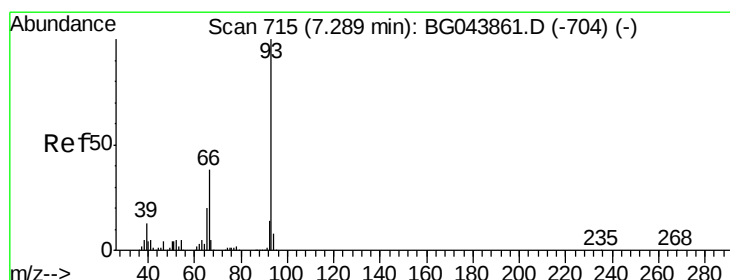
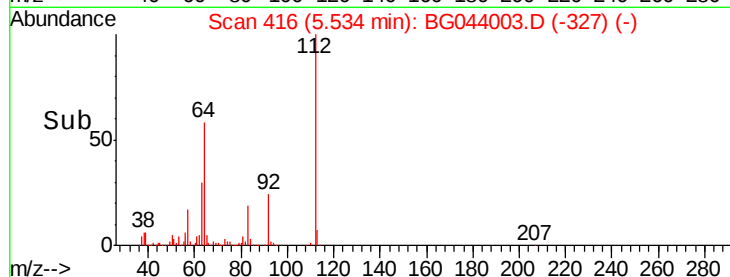
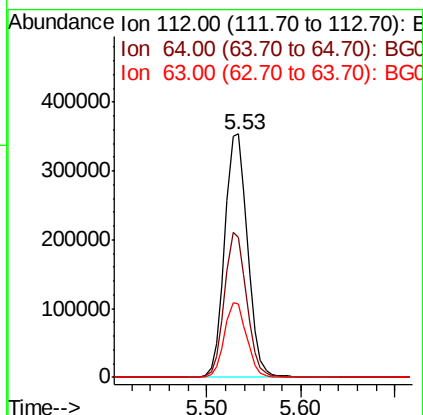
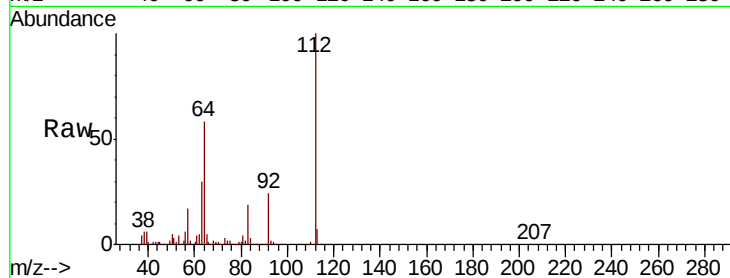
ClientSampleId :

SOIL-AMSD

Tot Ion:	112	Resp:	600723
Ion Ratio	Lower	Upper	
112	100		
64	57.7	47.8	71.6
63	30.1	24.3	36.5

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#6

Aniline

Concen: 26.452 ng

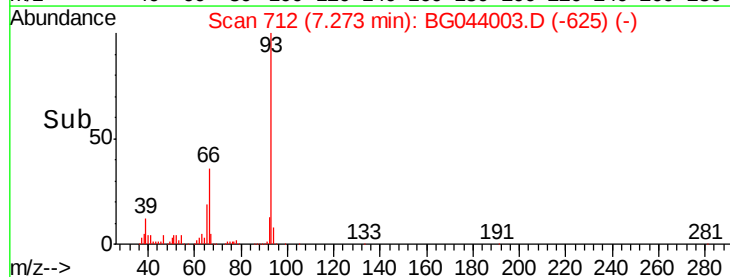
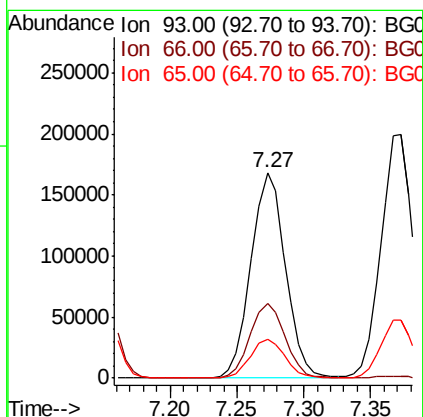
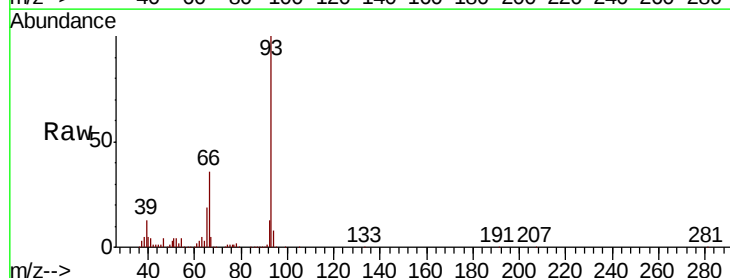
RT: 7.27 min Scan# 712

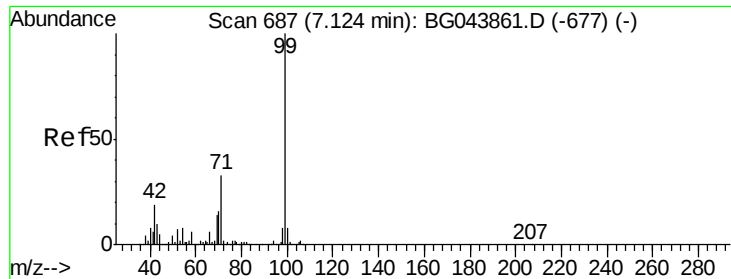
Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion:	93	Resp:	300669
Ion Ratio	Lower	Upper	
93	100		
66	36.2	30.8	46.2
65	18.8	16.0	24.0





#7

Phenol-d6

Concen: 96.832 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

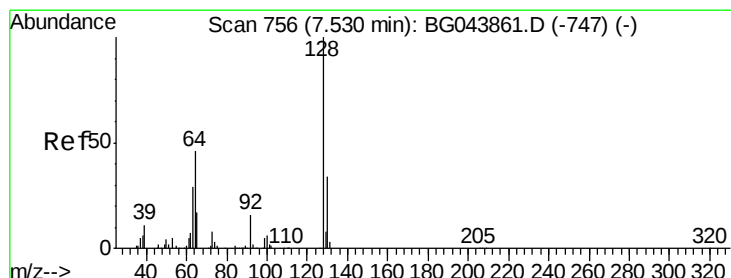
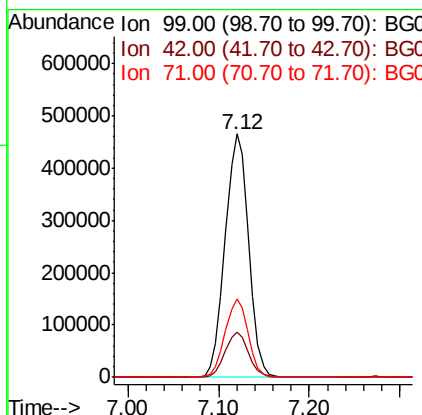
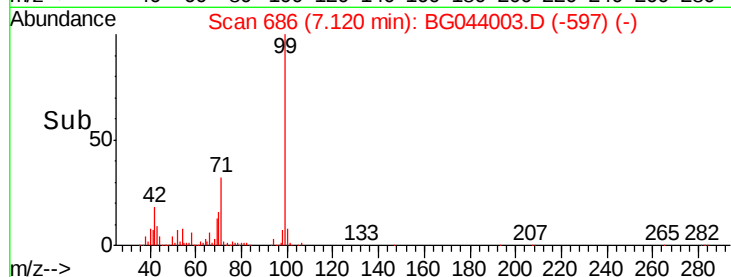
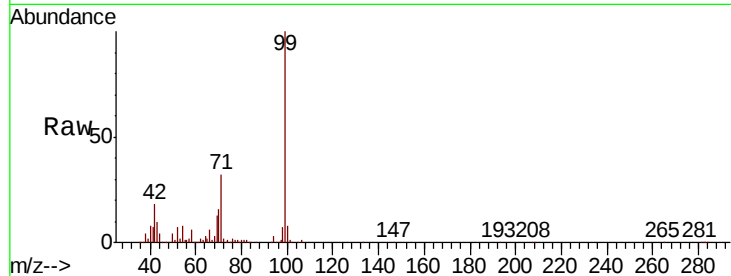
ClientSampleId :

SOIL-AMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		837976		
42	18.4	14.9	22.3		
71	32.1	26.4	39.6		

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#8

2-Chlorophenol

Concen: 48.710 ng

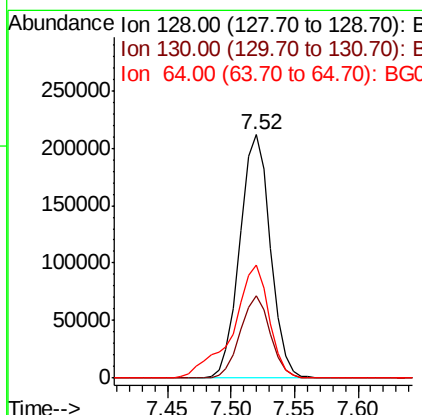
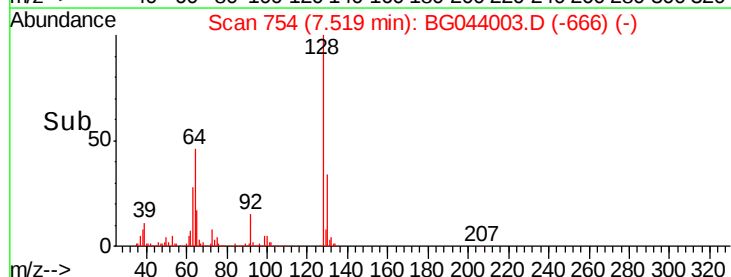
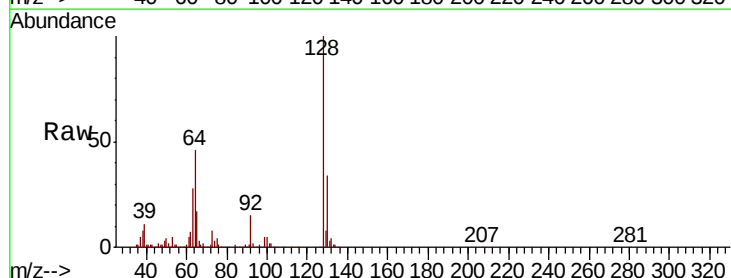
RT: 7.52 min Scan# 754

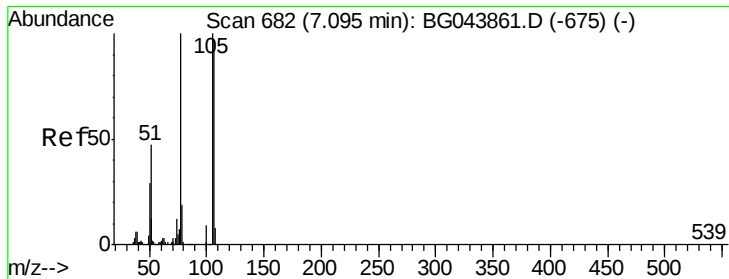
Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		354029		
130	33.8	13.8	53.8		
64	46.5	27.6	67.6		





#9

Benzaldehyde

Concen: 34.374 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

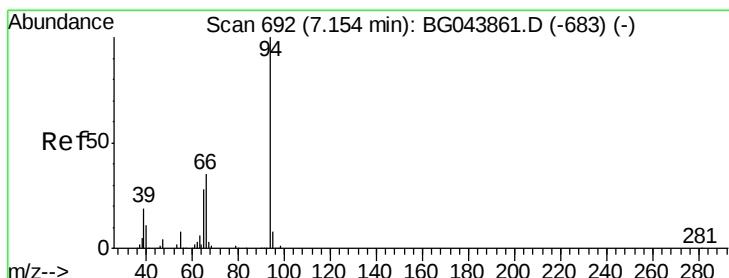
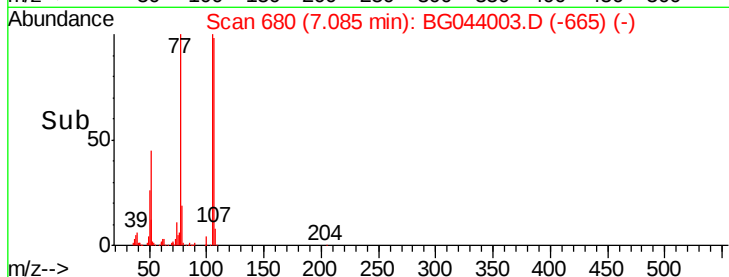
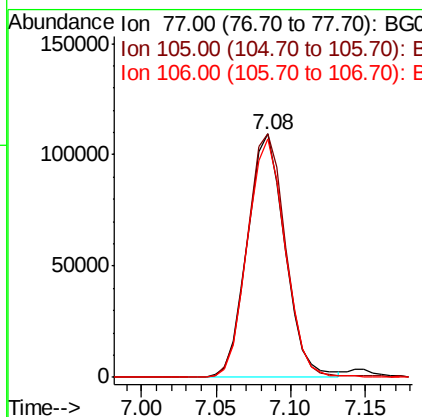
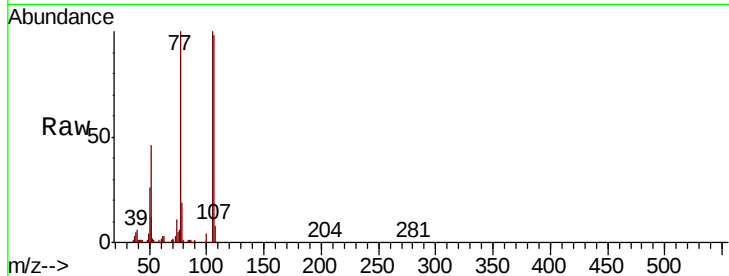
ClientSampleId :

SOIL-AMSD

Tot Ion:	77	Resp:	190386
Ion	Ratio	Lower	Upper
77	100		
105	100.0	80.2	120.2
106	97.9	77.2	117.2

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#10

Phenol

Concen: 51.622 ng

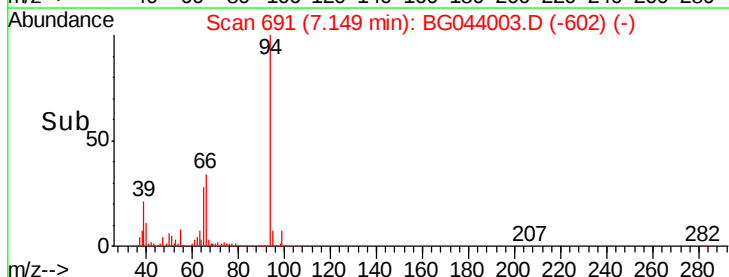
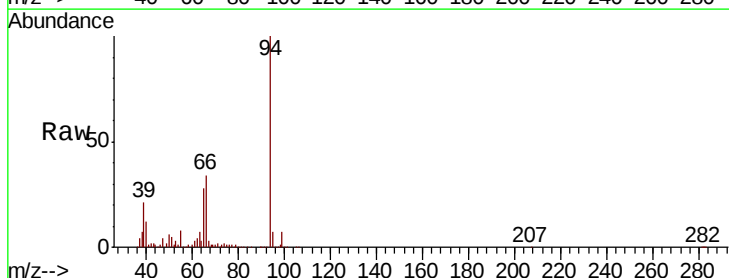
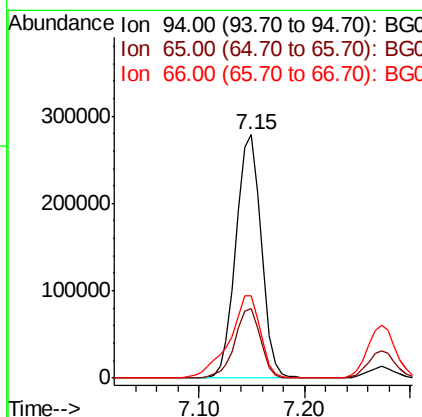
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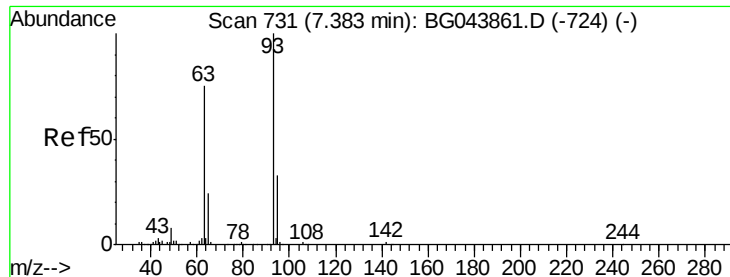
Delta R.T. -0.00 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion:	94	Resp:	460272
Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.1	48.1
66	33.8	15.6	55.6





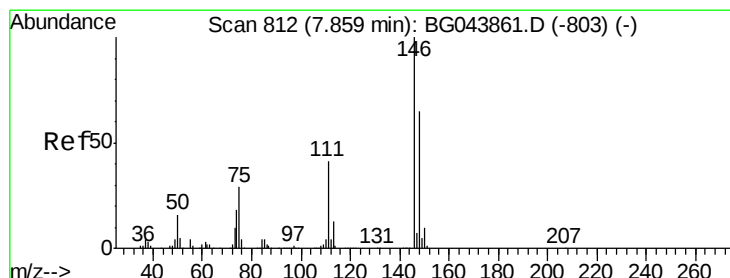
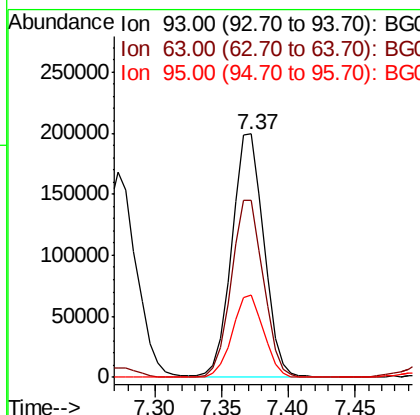
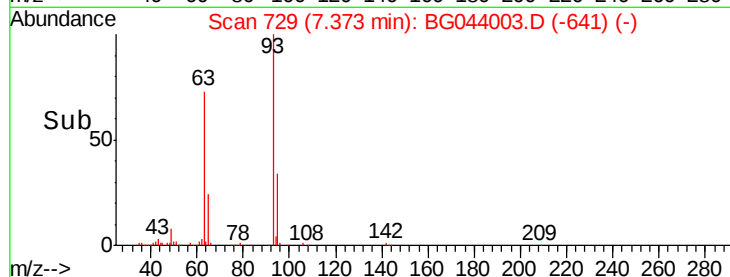
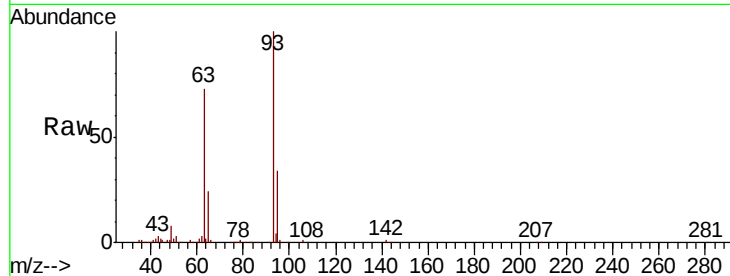
#11
bis(2-Chloroethyl)ether
Concen: 43.368 ng
RT: 7.37 min Scan# 729
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	72.8	55.0	95.0
95	33.7	13.3	53.3

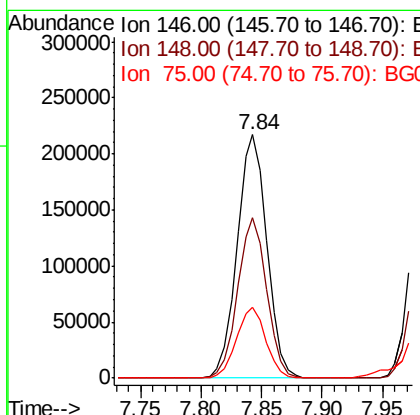
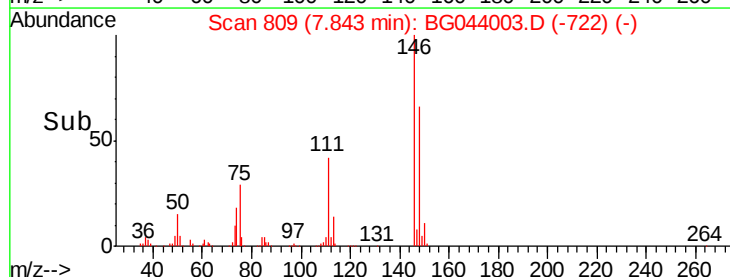
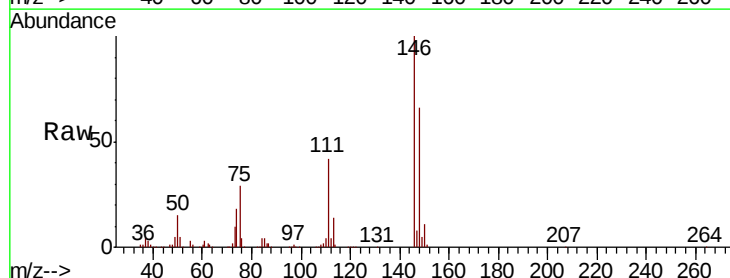
Manual Integrations
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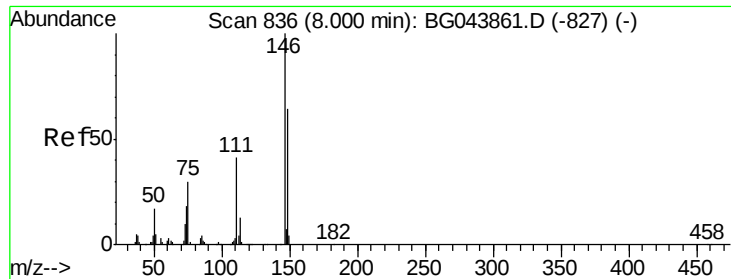
mohammad
1/13/2020 2:21:00 PM



#12
1,3-Dichlorobenzene
Concen: 43.672 ng
RT: 7.84 min Scan# 809
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.1	78.1
75	29.0	23.0	34.4





#13

1,4-Dichlorobenzene

Concen: 44.201 ng

RT: 7.98 min Scan# 833

Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

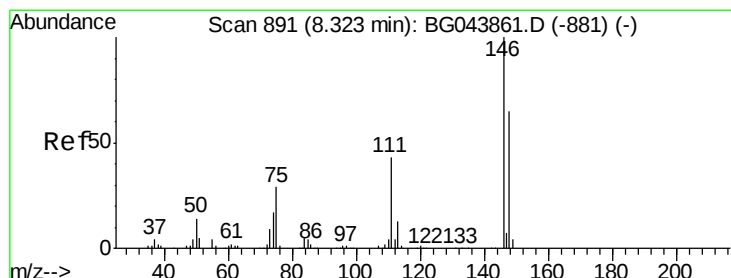
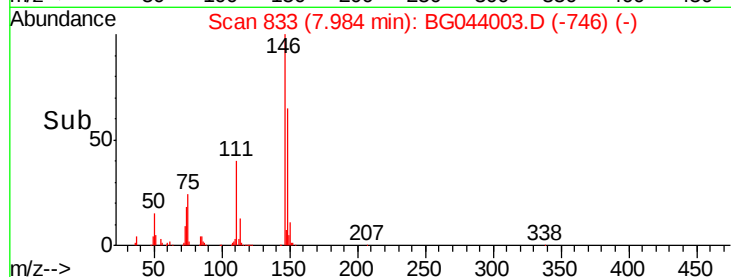
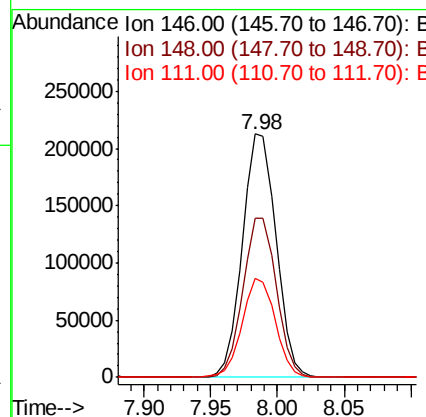
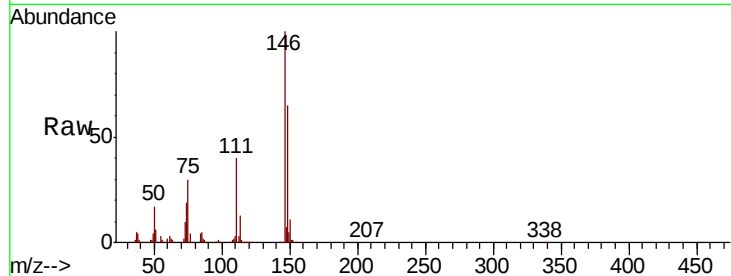
ClientSampleId :

SOIL-AMSD

Tot Ion:	146	Resp:	370931
Ion Ratio	Lower	Upper	
146	100		
148	65.2	51.2	76.8
111	40.5	33.1	49.7

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#14

1,2-Dichlorobenzene

Concen: 43.825 ng

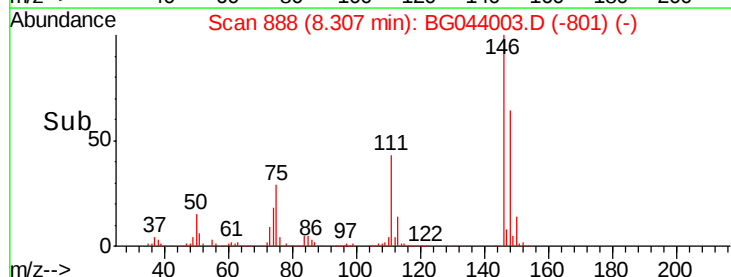
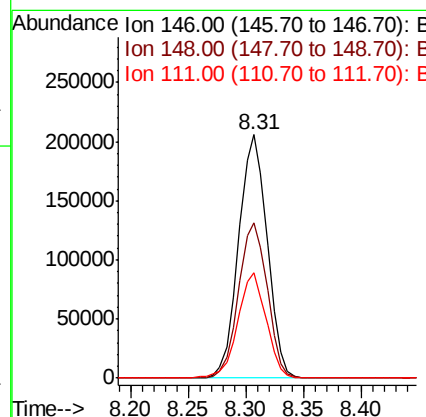
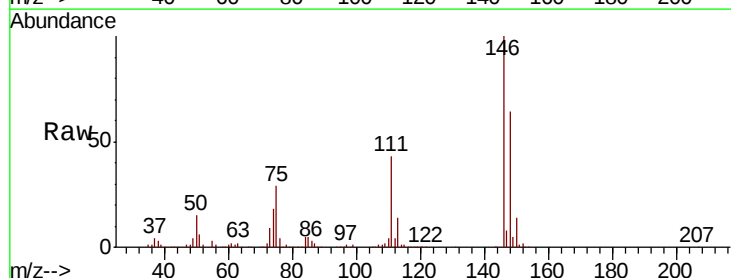
RT: 8.31 min Scan# 888

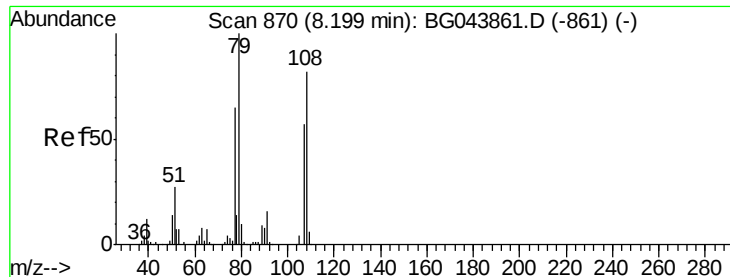
Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion:	146	Resp:	353002
Ion Ratio	Lower	Upper	
146	100		
148	63.8	51.7	77.5
111	43.4	34.4	51.6





#15

Benzyl Alcohol

Concen: 43.682 ng

RT: 8.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

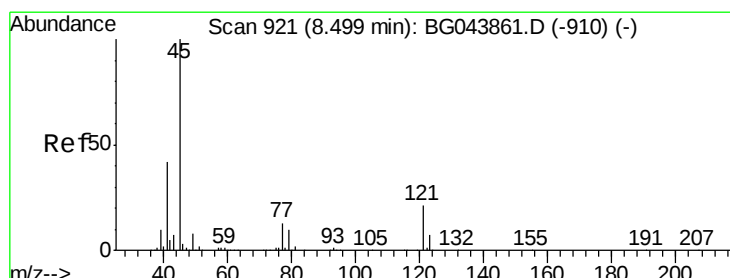
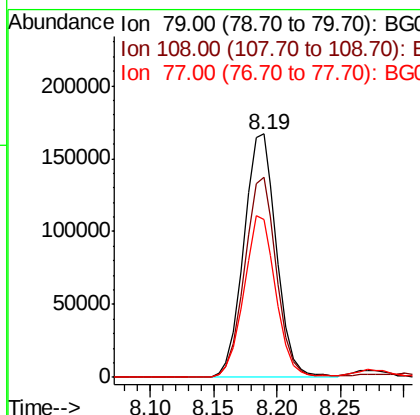
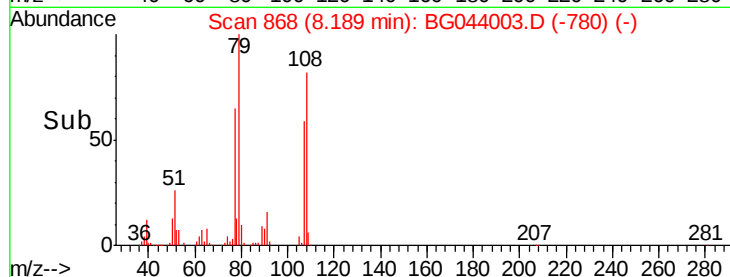
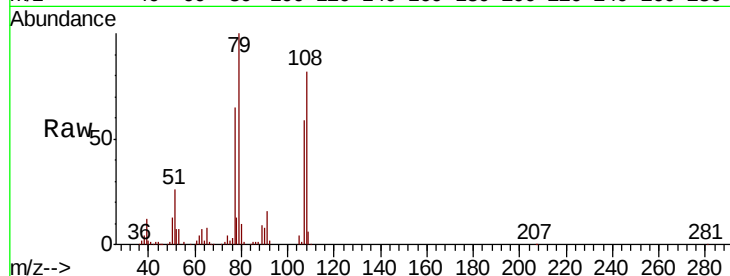
ClientSampleId :

SOIL-AMSD

Tot Ion:	79	Resp:	298339
Ion Ratio	Lower	Upper	
79	100		
108	82.4	65.6	98.4
77	64.8	52.0	78.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 38.703 ng

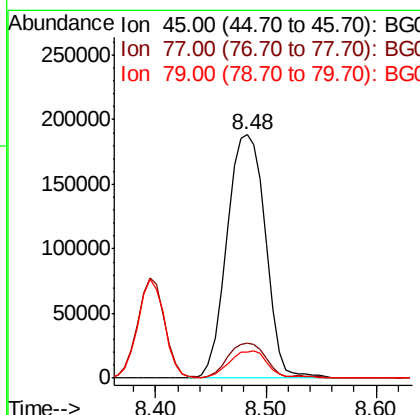
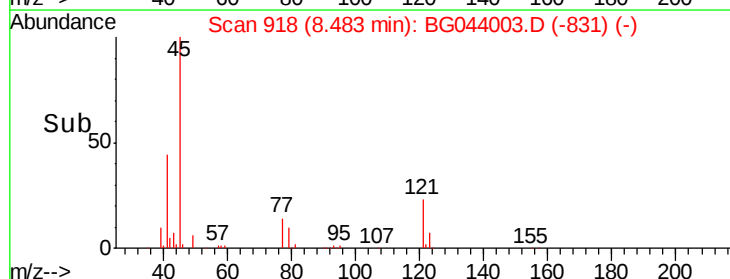
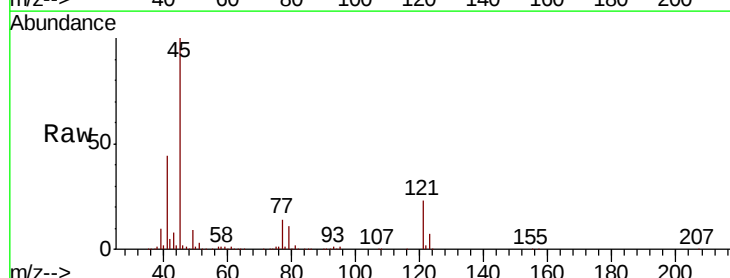
RT: 8.48 min Scan# 918

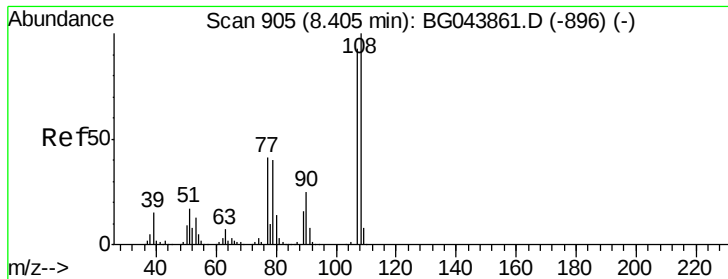
Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion:	45	Resp:	460843
Ion Ratio	Lower	Upper	
45	100		
77	14.3	0.0	33.8
79	10.5	0.0	31.0





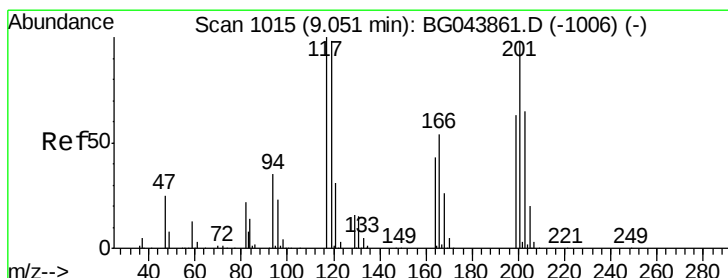
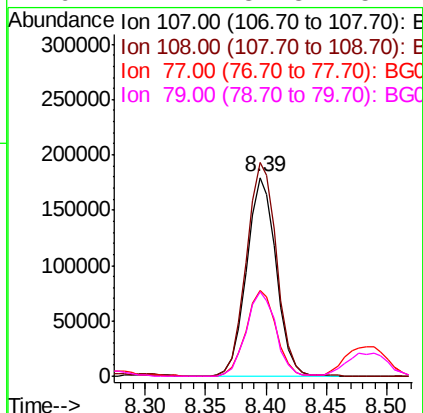
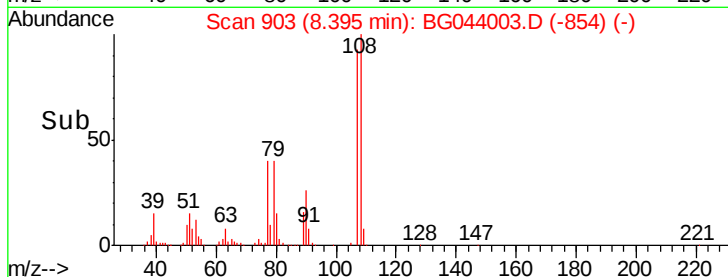
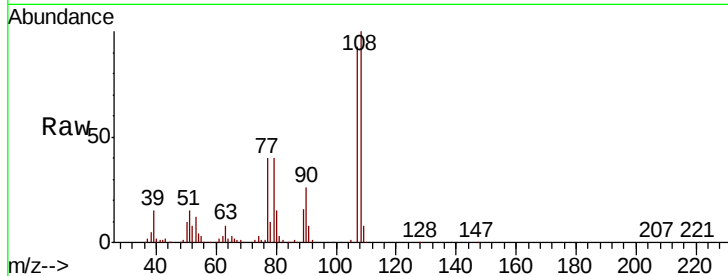
#17
2-Methylphenol
Concen: 47.217 ng
RT: 8.39 min Scan# 903
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	107.3	86.1	129.1		
77	43.0	35.4	53.0		
79	42.7	34.8	52.2		

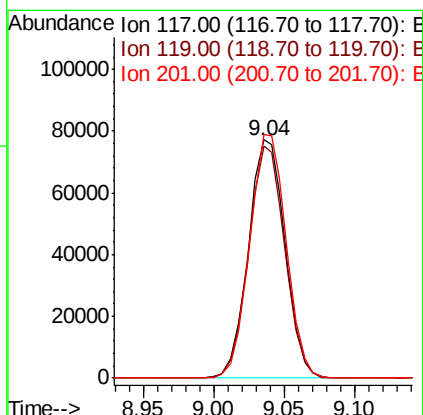
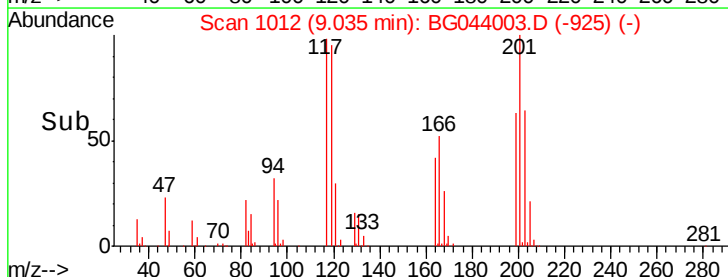
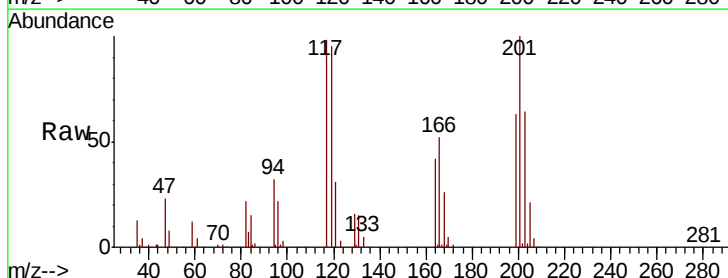
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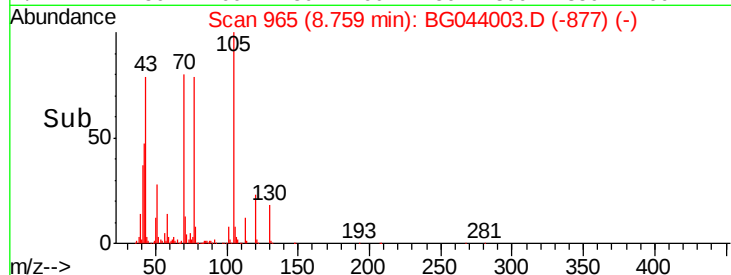
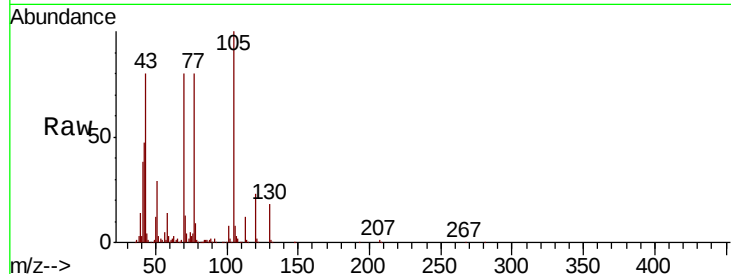
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#18
Hexachloroethane
Concen: 43.038 ng
RT: 9.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
119	97.6	78.1	117.1		
201	102.3	78.6	117.8		





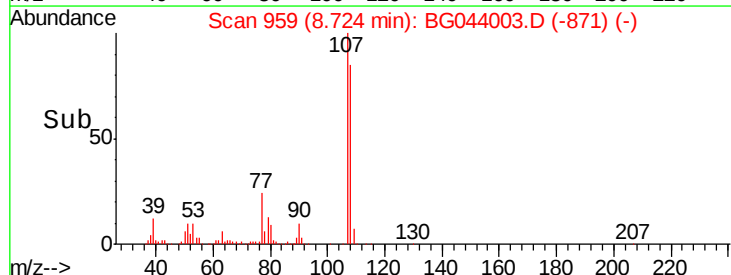
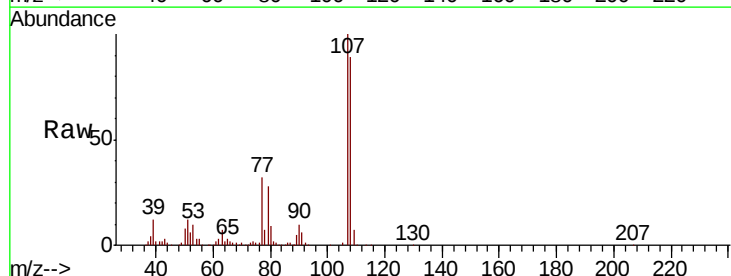
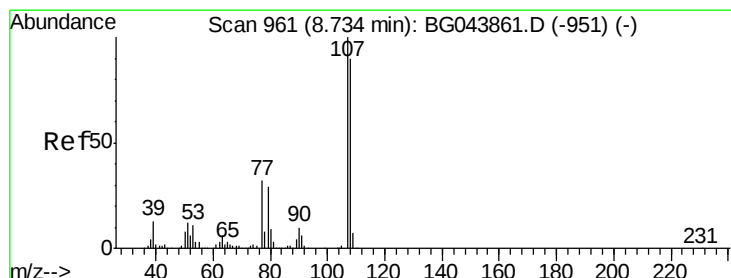
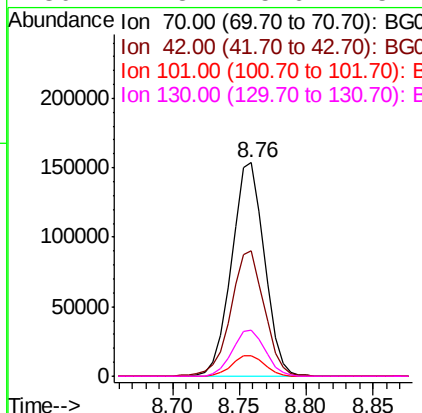
#19
n-Nitroso-di-n-propylamine
Concen: 40.774 ng
RT: 8.76 min Scan# 965
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	59.0	47.0	70.4	
101	9.9	7.2	10.8	
130	21.8	15.6	23.4	

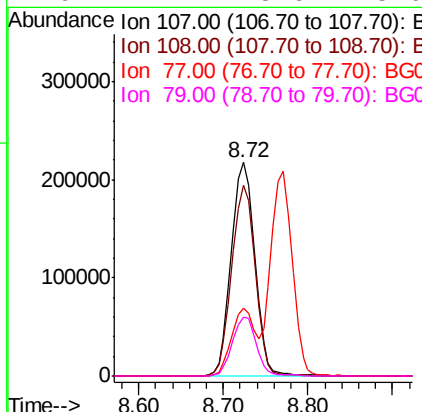
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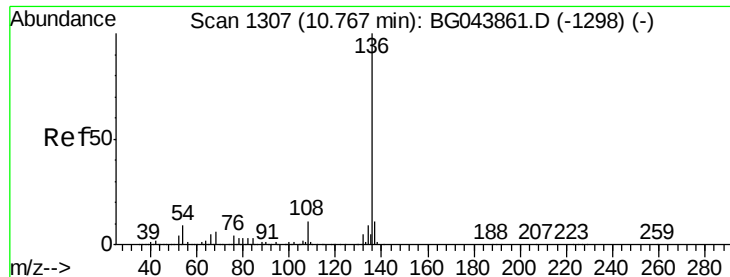
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#20
3+4-Methylphenols
Concen: 46.475 ng
RT: 8.72 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.5	70.3	110.3	
77	32.1	12.4	52.4	
79	27.7	8.6	48.6	





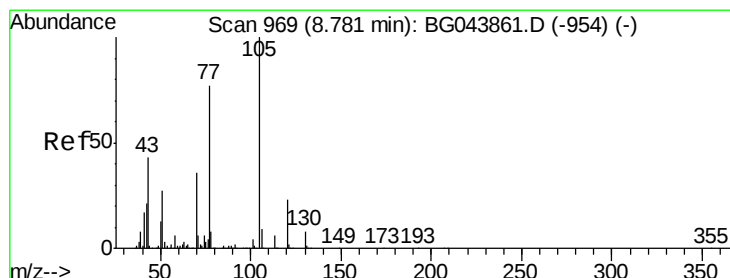
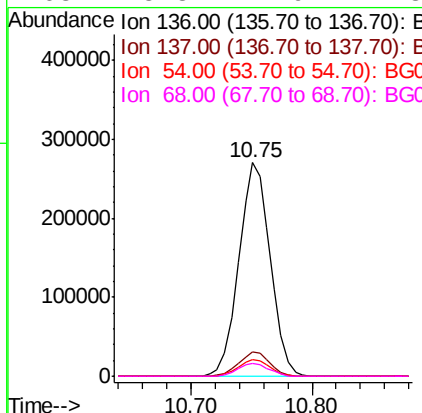
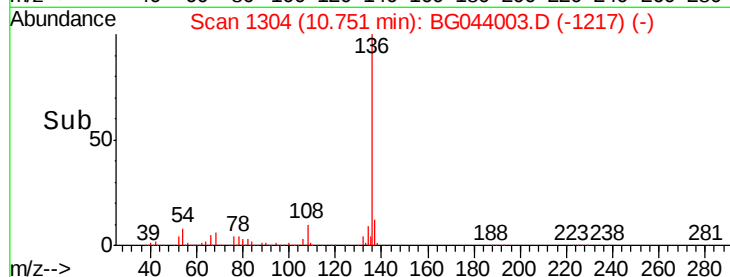
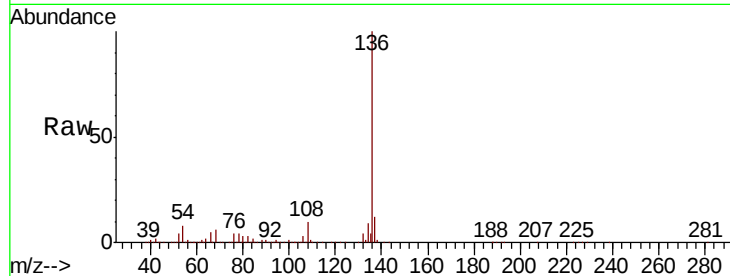
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		487061		
137	11.5	8.8	13.2		
54	8.0	7.0	10.4		
68	5.8	4.9	7.3		

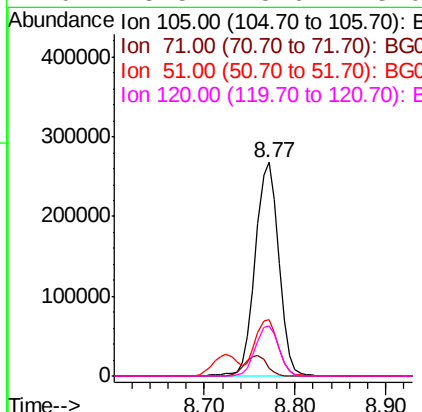
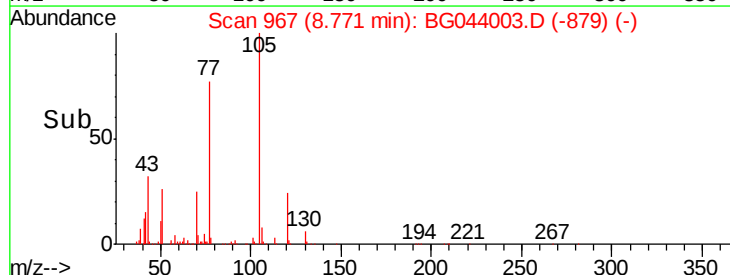
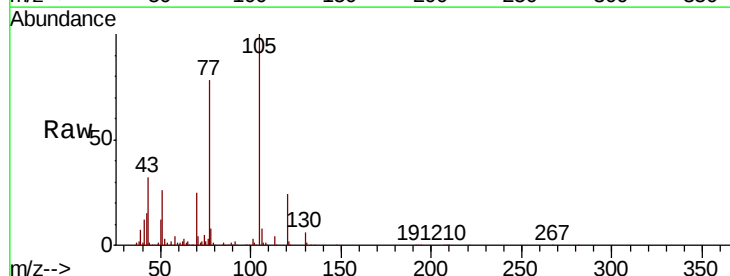
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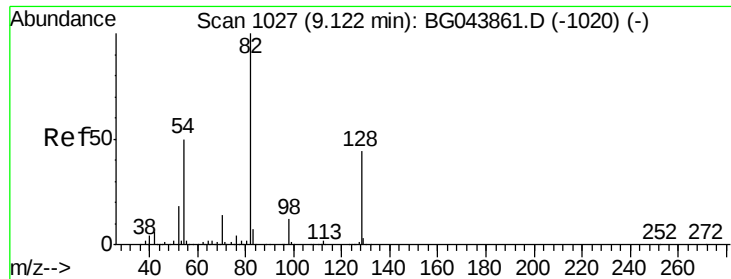
mohammad
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#22
Acetophenone
Concen: 40.004 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		484399		
71	3.8	4.8	7.2#		
51	26.3	21.4	32.0		
120	23.5	18.6	28.0		





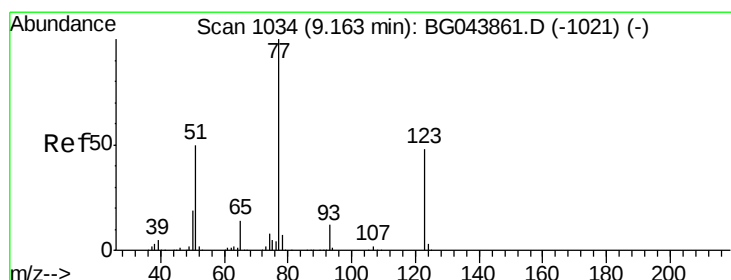
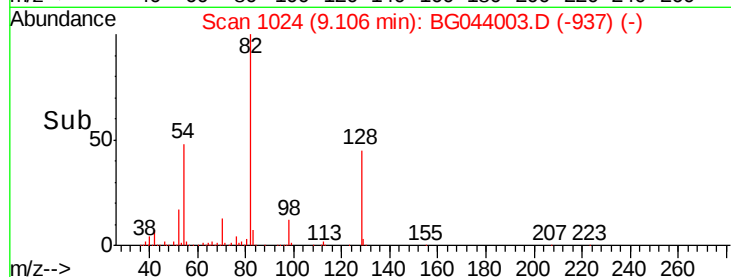
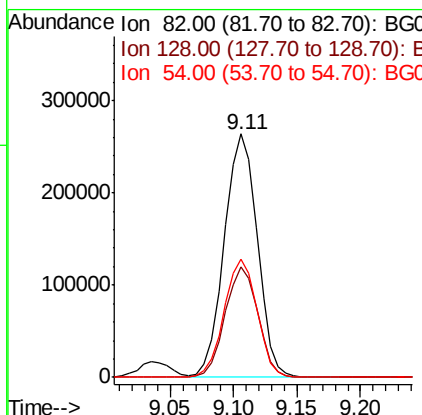
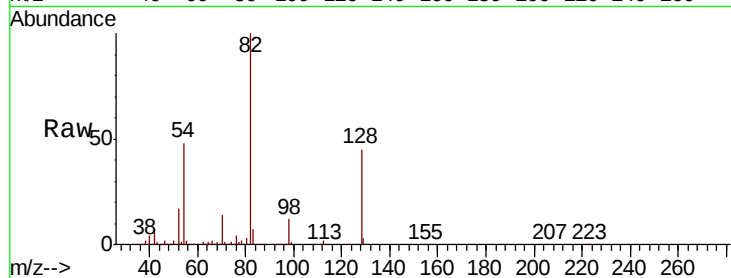
#23
Nitrobenzene-d5
Concen: 52.142 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.1	52.7
54	48.3	40.1	60.1

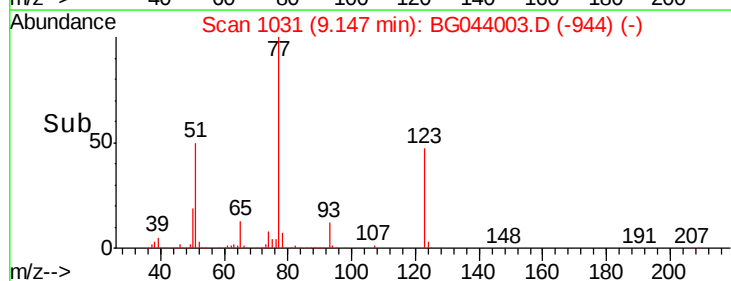
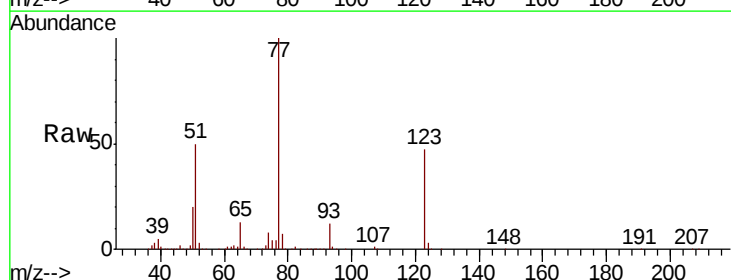
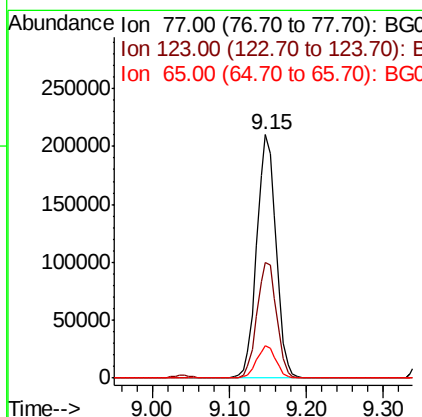
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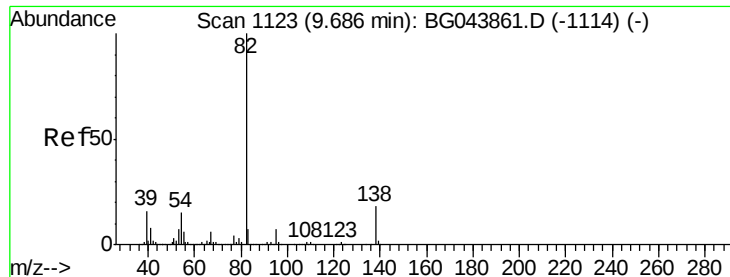
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#24
Nitrobenzene
Concen: 41.053 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.4	38.7	58.1
65	13.1	11.1	16.7





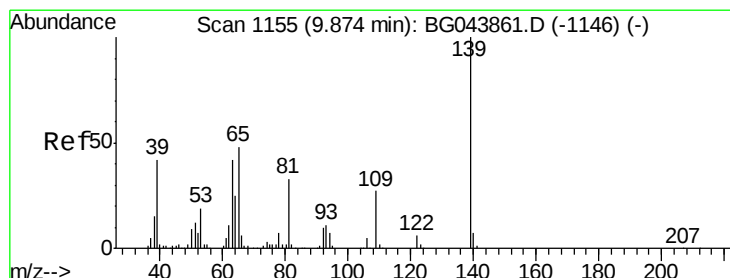
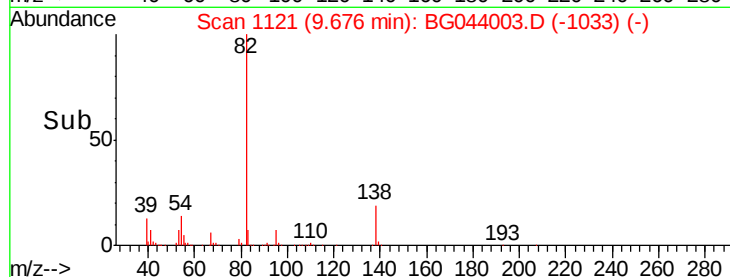
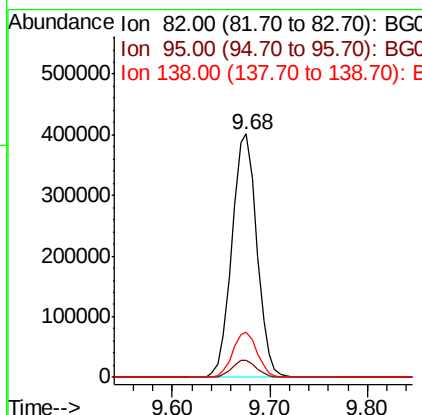
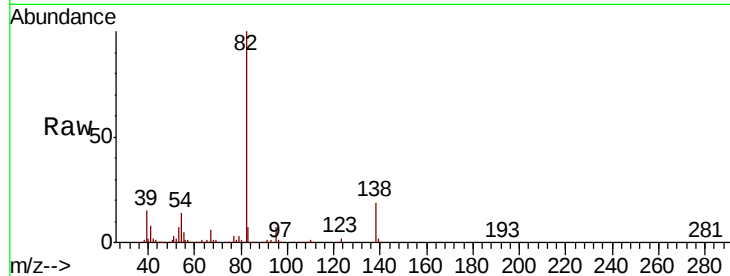
#25
Isophorone
Concen: 41.738 ng
RT: 9.68 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleID :
SOIL-AMSD

Tot Ion	82	Resp	712939
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.8	8.6
138	18.6	14.6	22.0

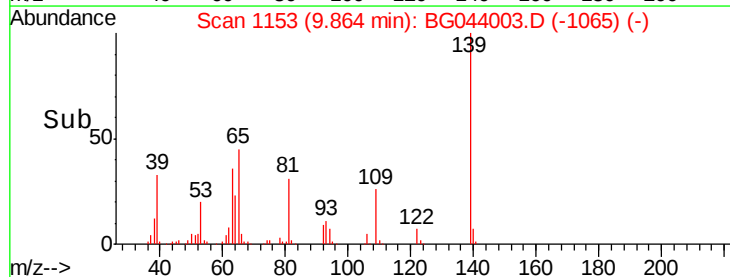
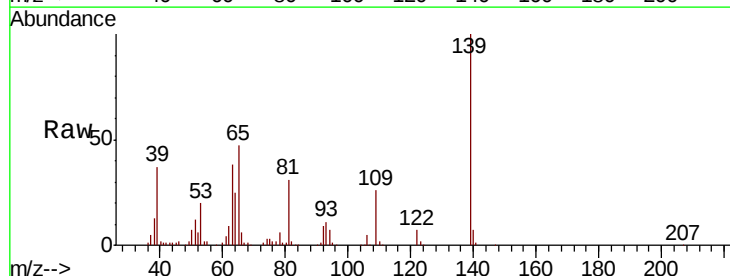
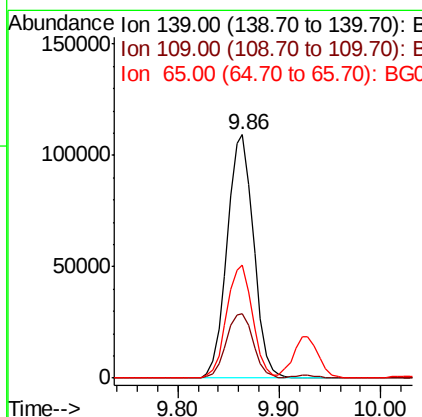
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#26
2-Nitrophenol
Concen: 46.569 ng
RT: 9.86 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	139	Resp	198679
Ion Ratio	Lower	Upper	
139	100		
109	26.5	21.3	31.9
65	46.6	38.6	57.8





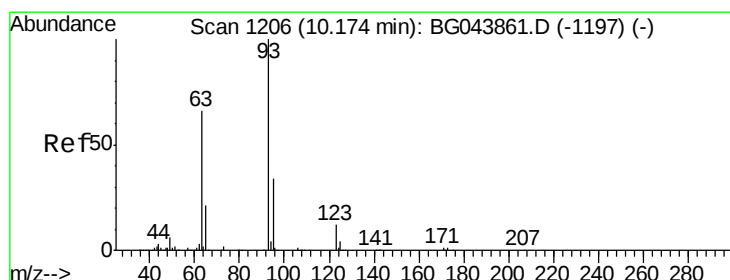
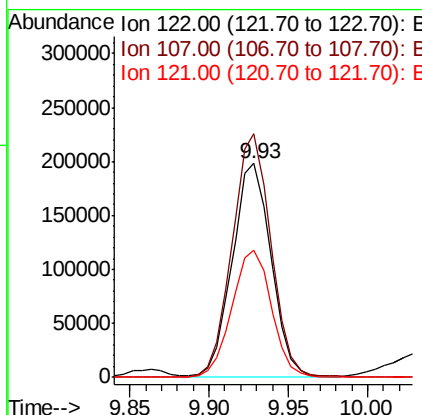
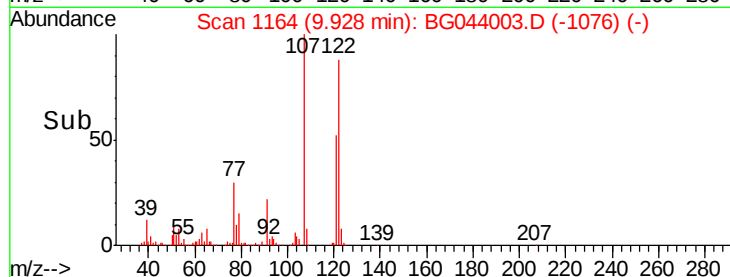
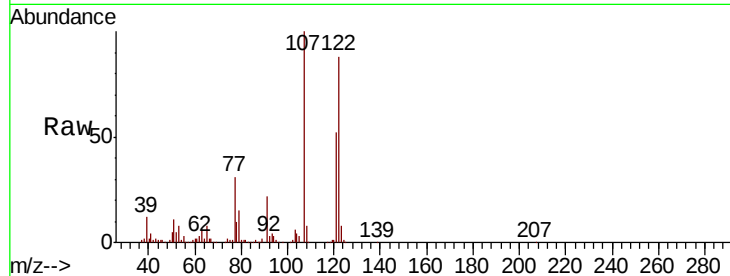
#27
2,4-Dimethylphenol
Concen: 52.517 ng
RT: 9.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	337270		
107	113.8	88.0	132.0	
121	59.5	49.0	73.4	

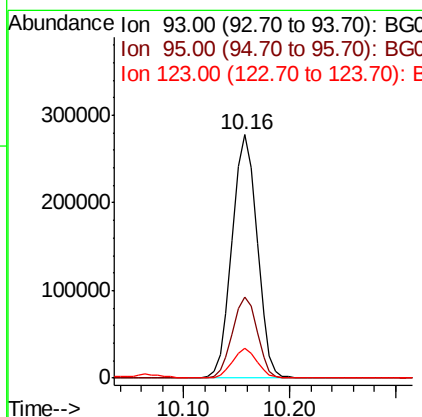
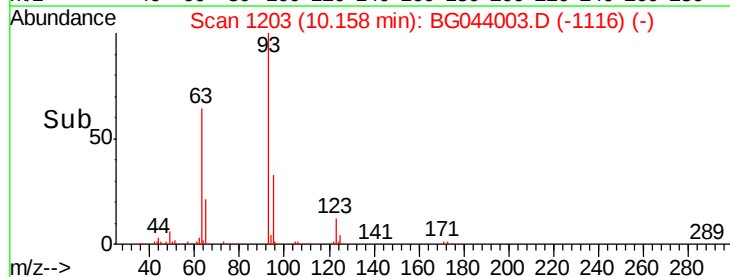
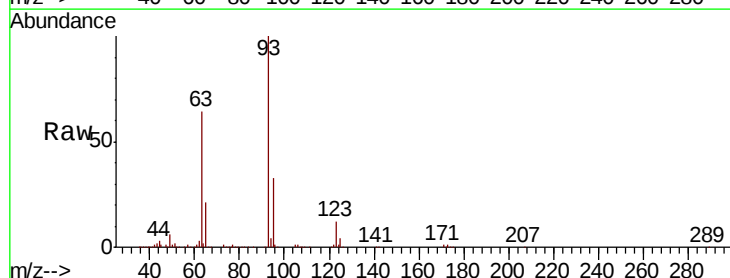
Manual Integrations
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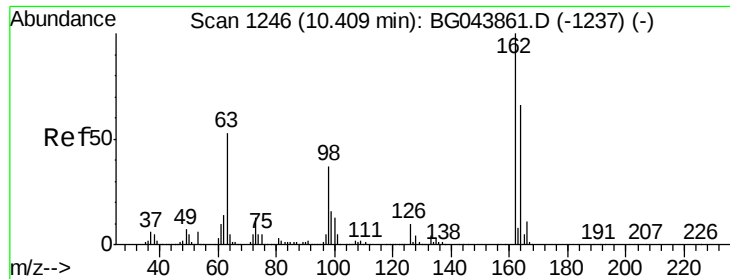
mohammad
1/13/2020 2:21:00 PM



#28
bis(2-Chloroethoxy)methane
Concen: 40.114 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	456802		
95	33.2	27.2	40.8	
123	12.3	9.7	14.5	





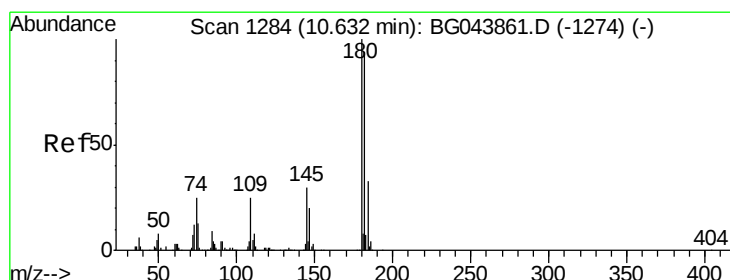
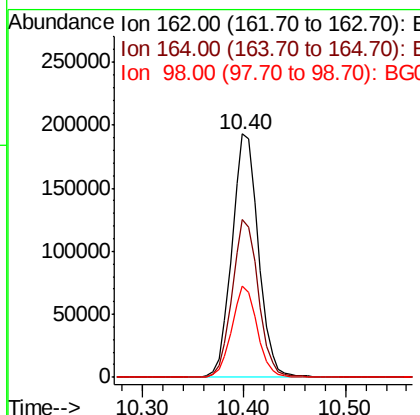
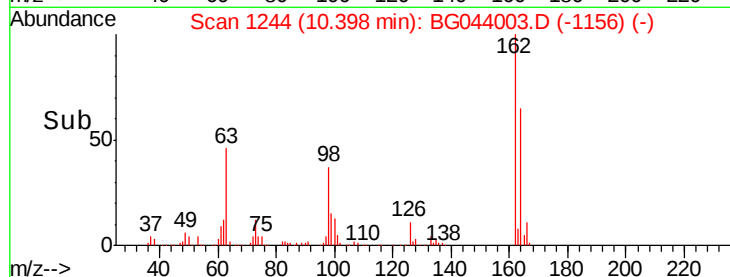
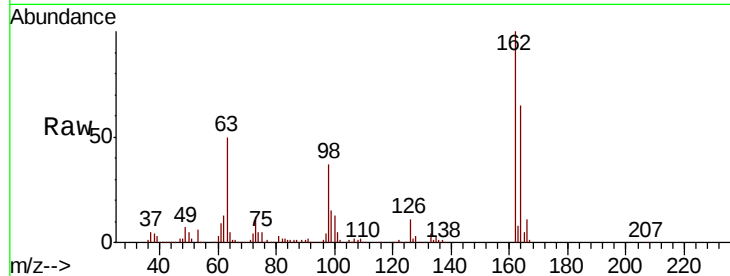
#29
2,4-Dichlorophenol
Concen: 45.645 ng
RT: 10.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	349658		
164	64.7	46.3	86.3	
98	37.3	17.3	57.3	

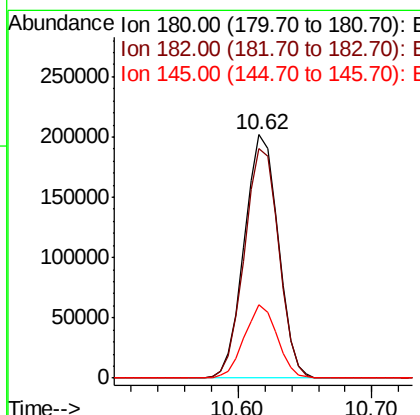
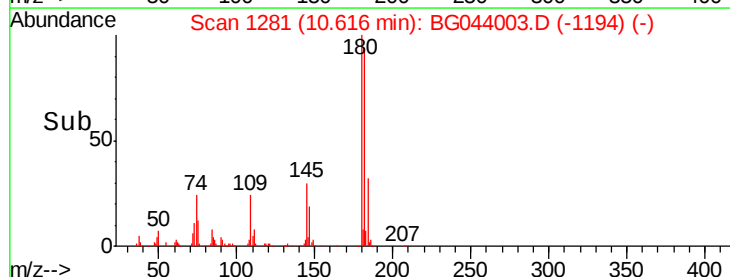
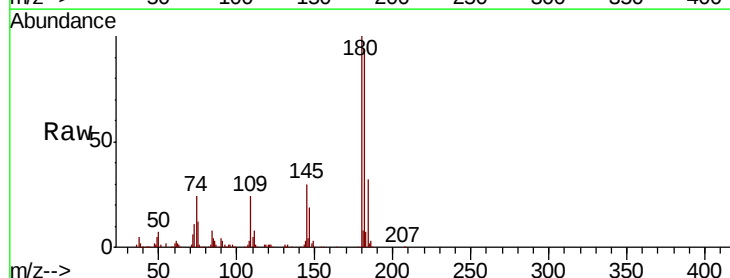
Manual Integrations
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#30
1,2,4-Trichlorobenzene
Concen: 41.282 ng
RT: 10.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	354579		
182	94.4	75.0	112.4	
145	30.2	24.2	36.4	





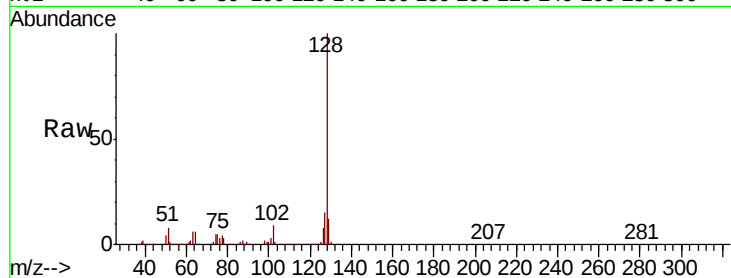
#31
Naphthalene
Concen: 43.858 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.6
127	14.8	12.0	18.0

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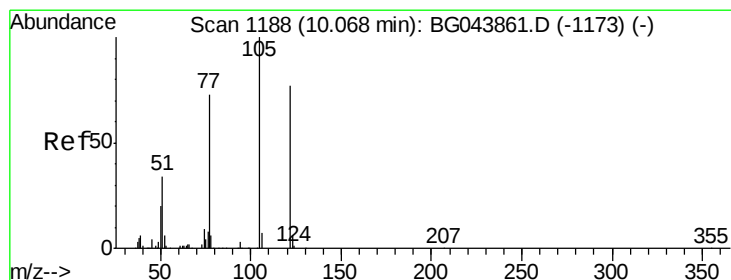
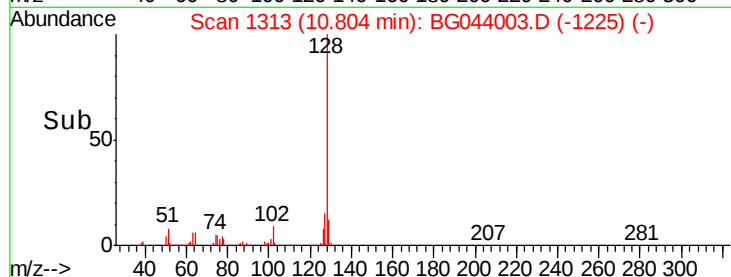
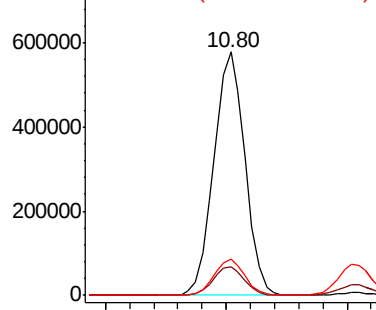


Abundance

Ion 128.00 (127.70 to 128.70): E

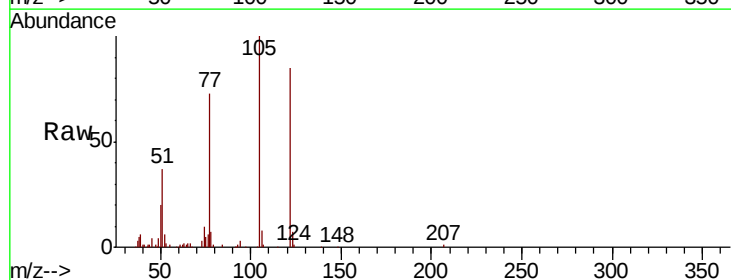
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 34.067 ng
RT: 10.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.1	106.4	146.4
77	85.9	74.6	114.6

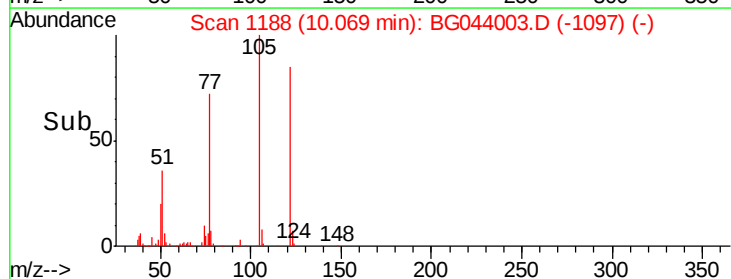
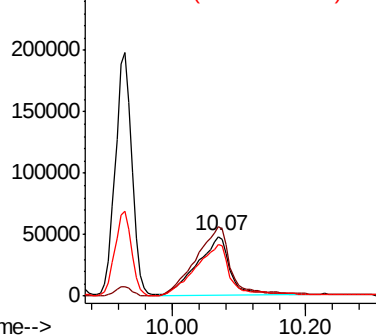


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





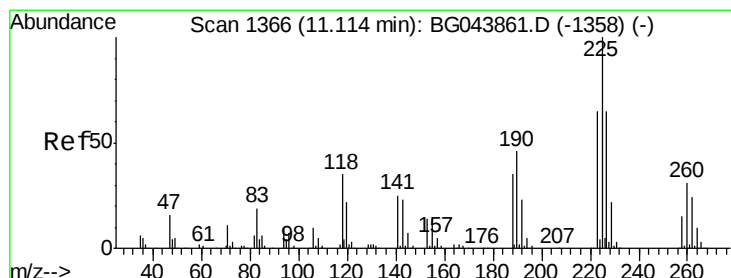
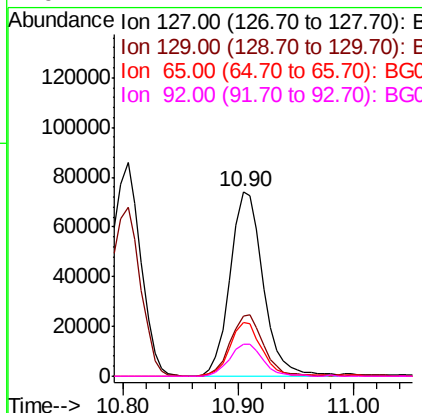
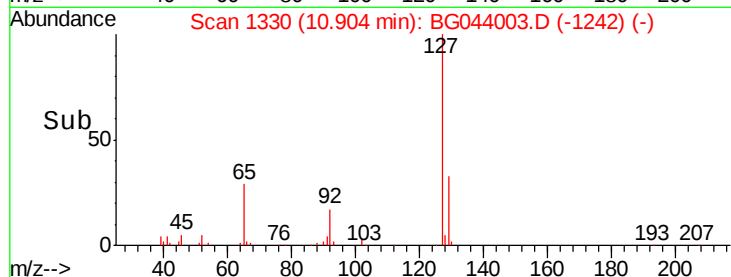
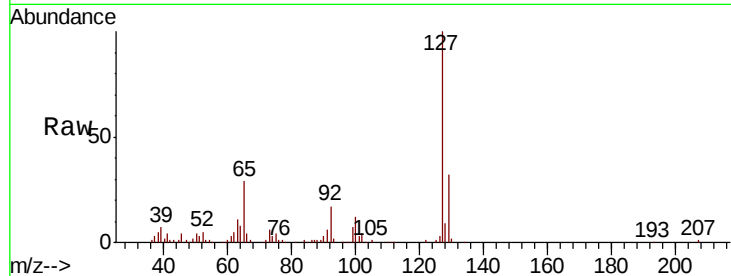
#33
4-Chloroaniline
Concen: 13.121 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.5	26.6	40.0		
65	29.0	23.3	34.9		
92	17.1	14.7	22.1		

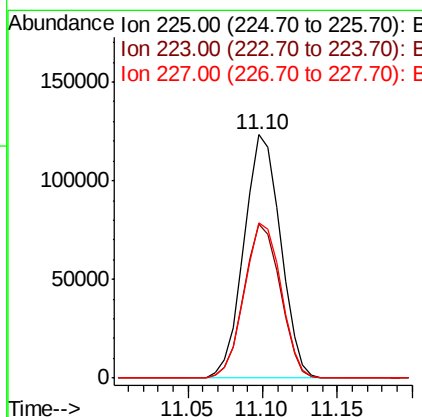
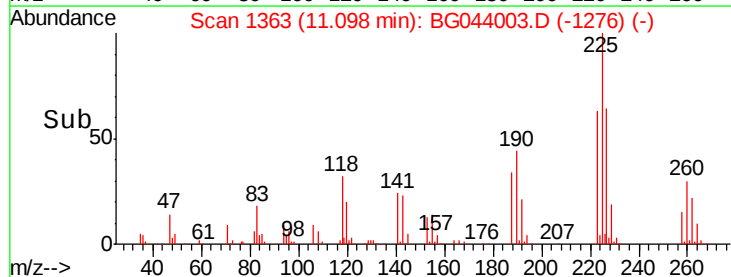
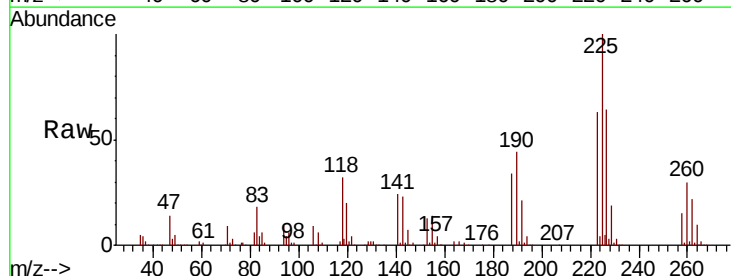
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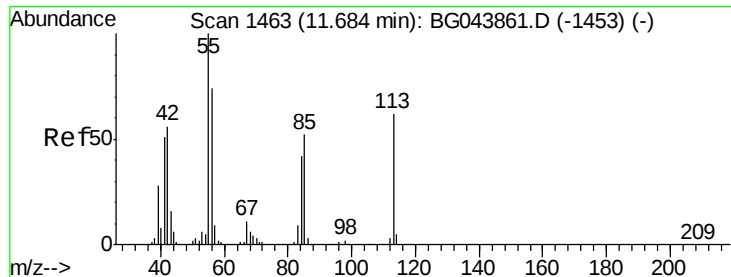
mohammad
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#34
Hexachlorobutadiene
Concen: 39.896 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.4	52.2	78.4		
227	64.0	52.1	78.1		





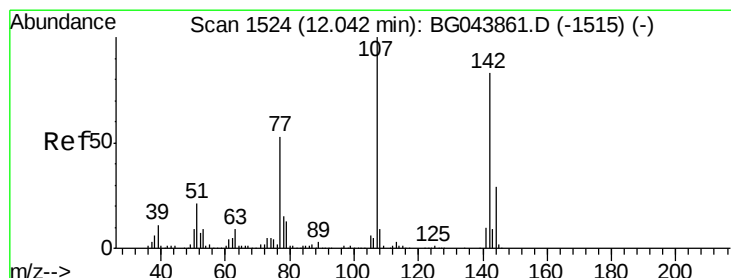
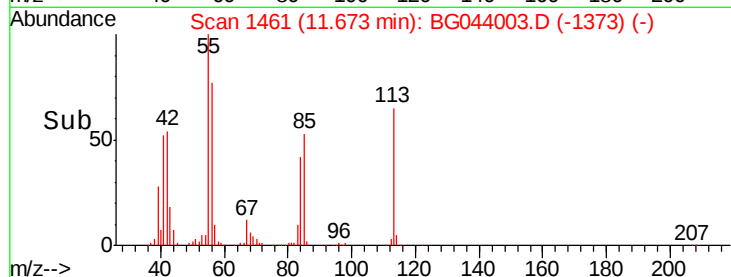
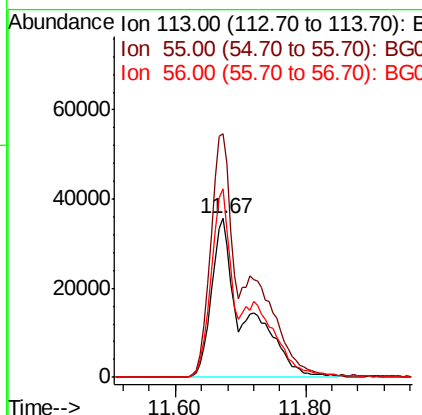
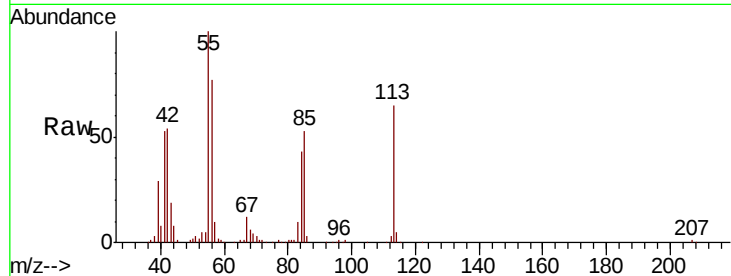
#35
Caprolactam
Concen: 44.778 ng/ml
RT: 11.67 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	153.5	142.5	182.5
56	118.6	101.4	141.4

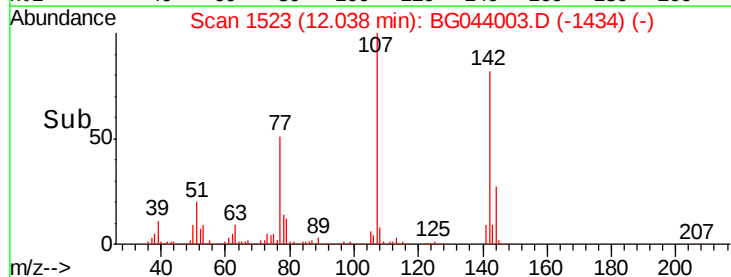
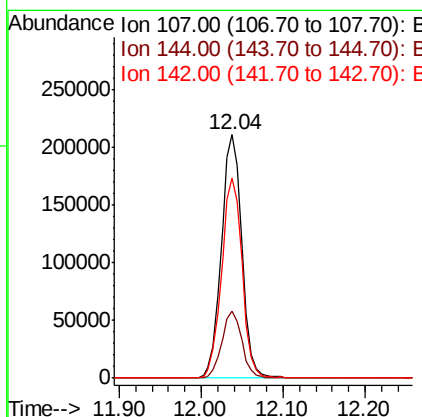
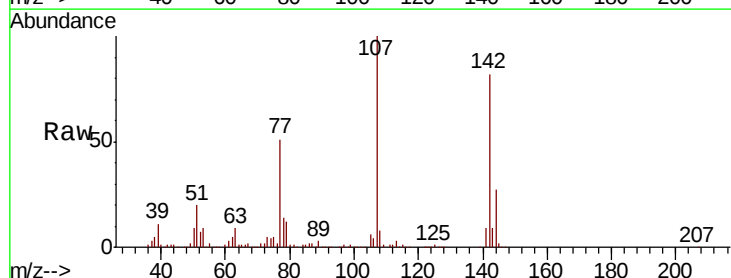
Manual Integrations
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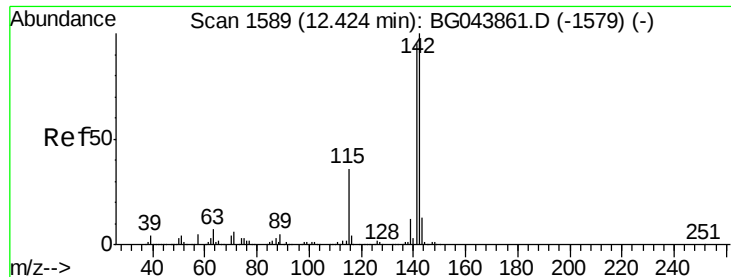
mohammad
1/13/2020 2:21:00 PM



#36
4-Chloro-3-methylphenol
Concen: 45.083 ng/ml
RT: 12.04 min Scan# 1523
Delta R.T. -0.00 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.4	23.4	35.2
142	82.0	66.3	99.5





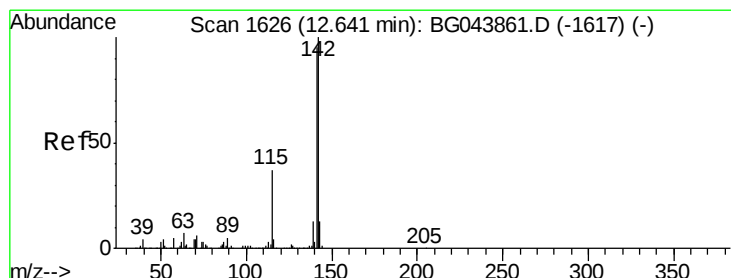
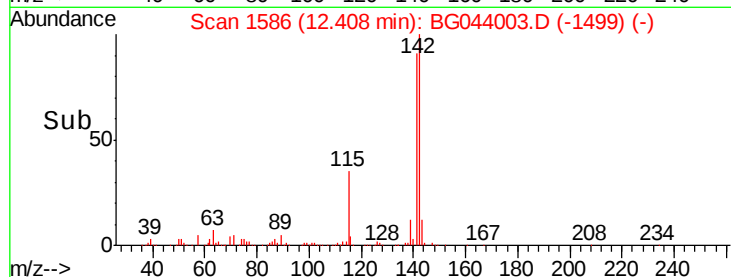
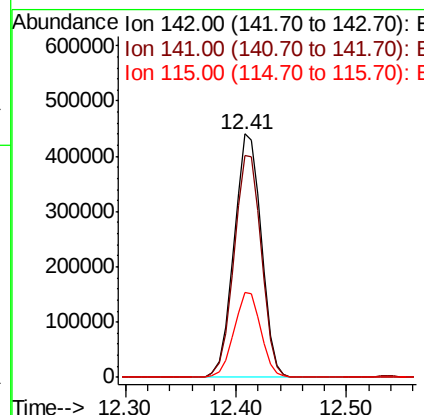
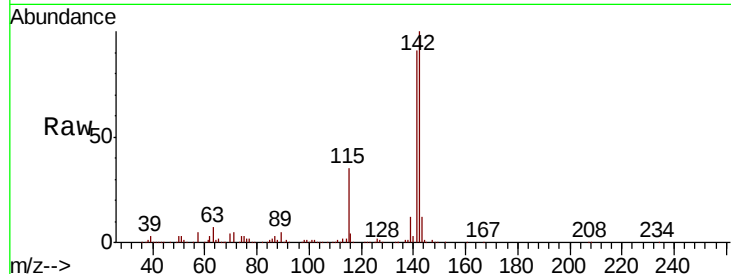
#37
2-Methylnaphthalene
Concen: 43.122 ng
RT: 12.41 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	75.8	113.8
115	34.6	28.6	42.8

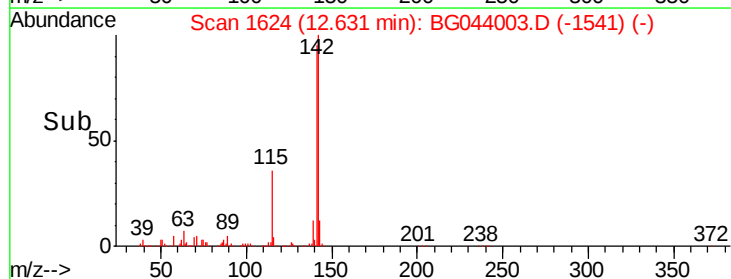
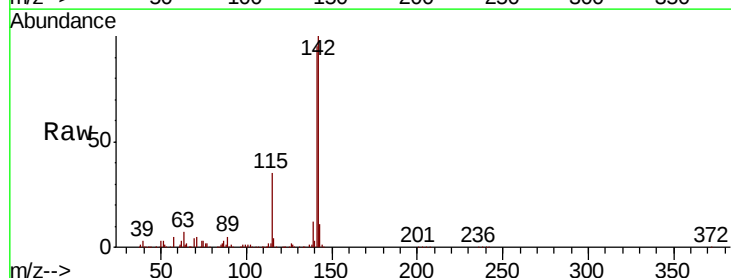
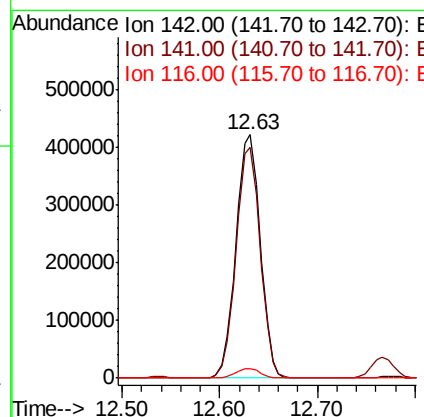
Manual Integrations
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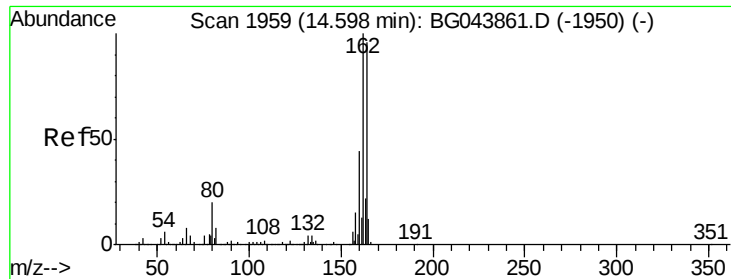
mohammad
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#38
1-Methylnaphthalene
Concen: 43.293 ng
RT: 12.63 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.7	76.0	114.0
116	3.7	3.1	4.7





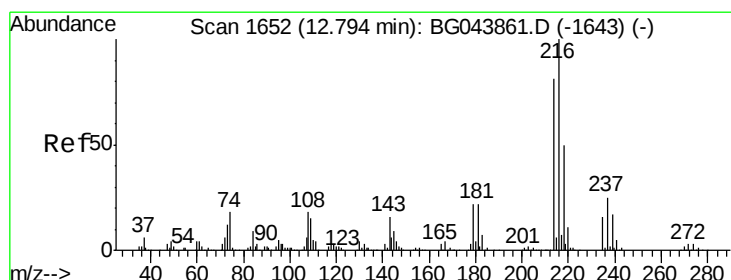
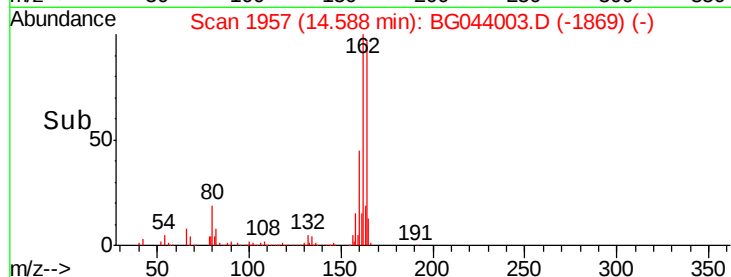
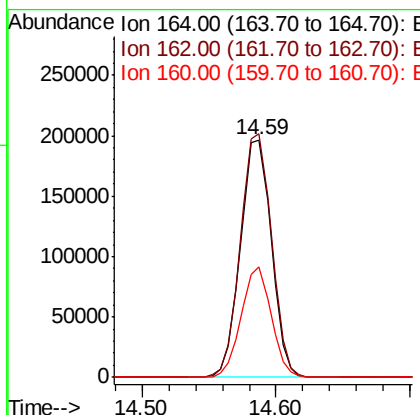
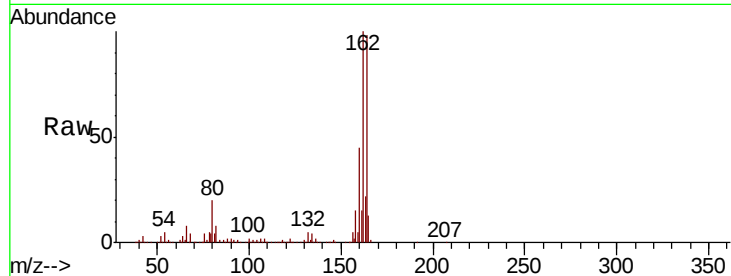
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampled :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.0	124.4
160	46.5	36.1	54.1

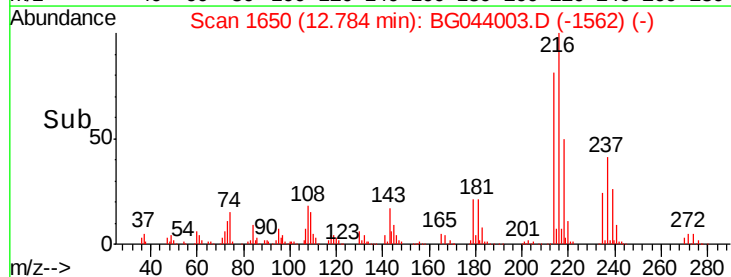
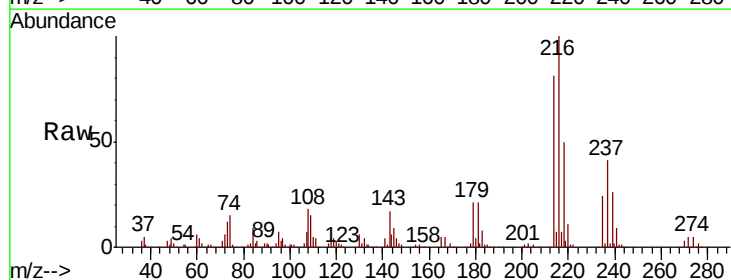
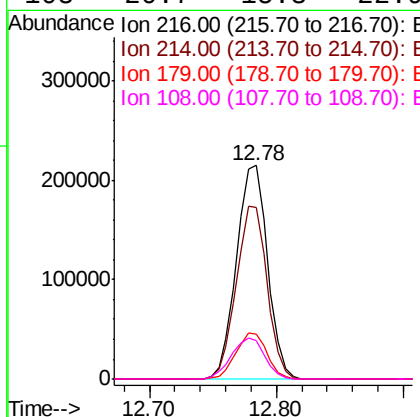
Manual Integrations
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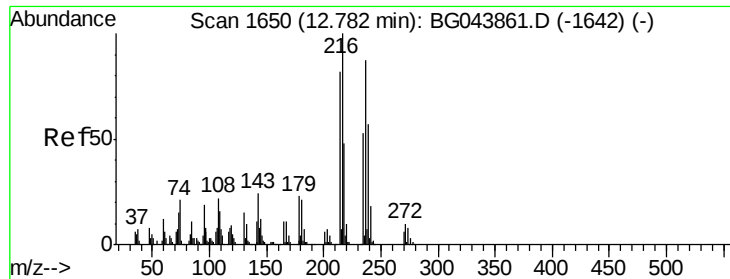
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.617 ng
RT: 12.78 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.8	95.8
179	21.4	17.3	25.9
108	20.7	15.3	22.9





#41

Hexachlorocyclopentadiene

Concen: 96.461 ng

RT: 12.77 min Scan# 1647

Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

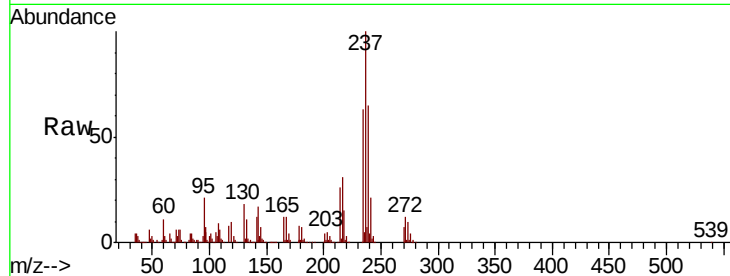
ClientSampleId :

SOIL-AMSD

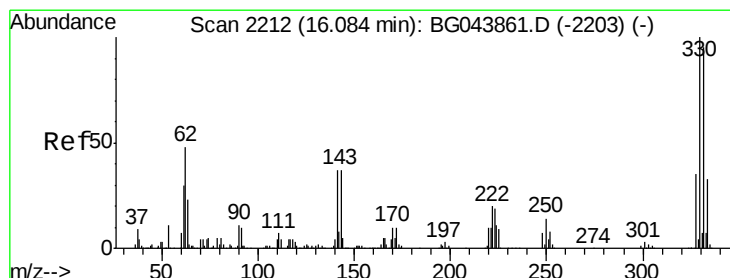
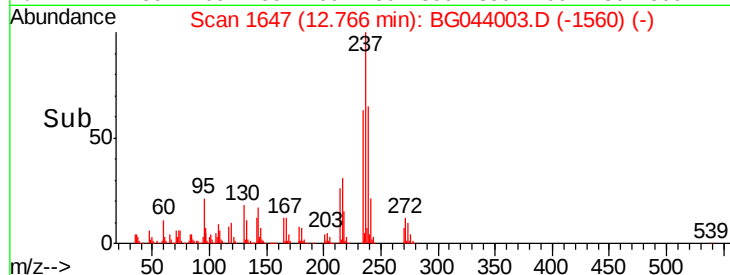
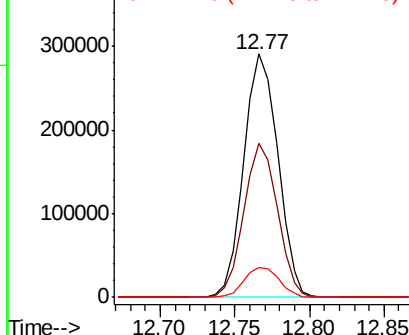
Tot Ion:	237	Resp:	460556
Ion Ratio	Lower	Upper	
237	100		
235	63.4	41.1	81.1
272	12.4	0.0	31.7

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



#42

2,4,6-Tribromophenol

Concen: 90.585 ng

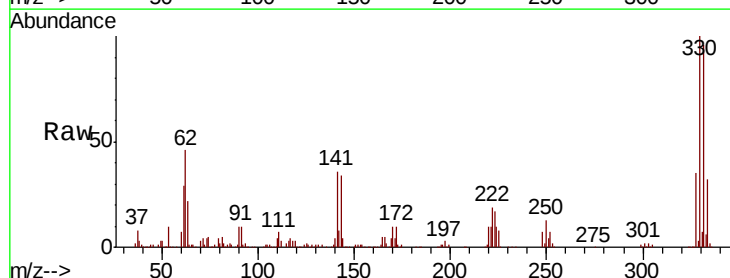
RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

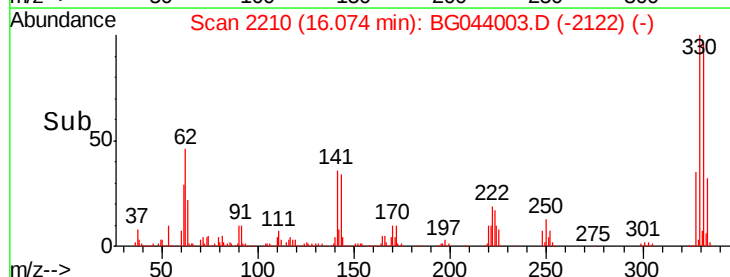
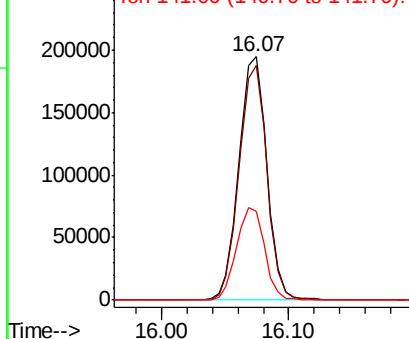
Lab File: BG044003.D

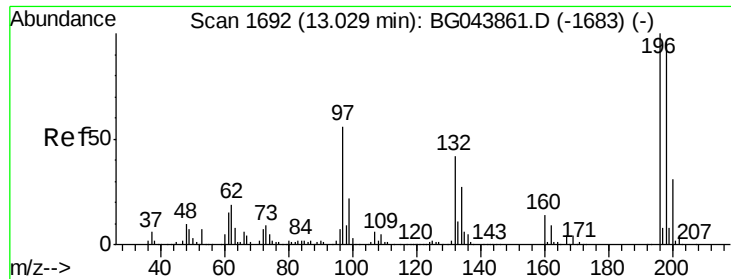
Acq: 10 Jan 2020 15:35

Tgt Ion:	330	Resp:	297853
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.2	115.8
141	38.2	33.1	49.7



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





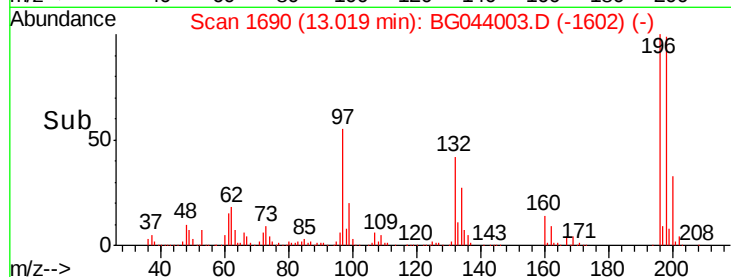
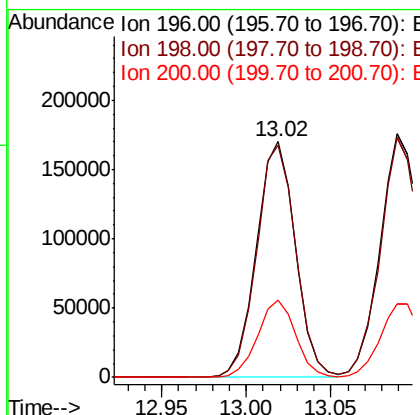
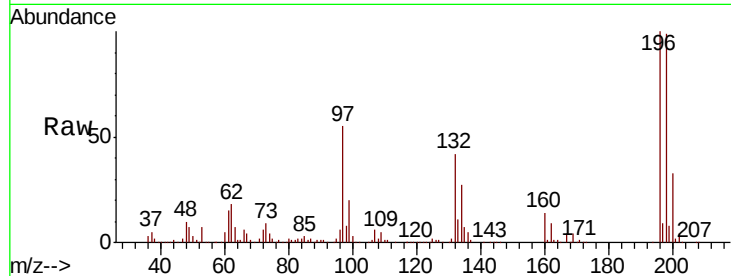
#43
 2,4,6-Trichlorophenol
 Concen: 42.933 ng
 RT: 13.02 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BG044003.D
 Acq: 10 Jan 2020 15:35

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	272057		
198	98.7	76.6	115.0	
200	32.6	24.6	37.0	

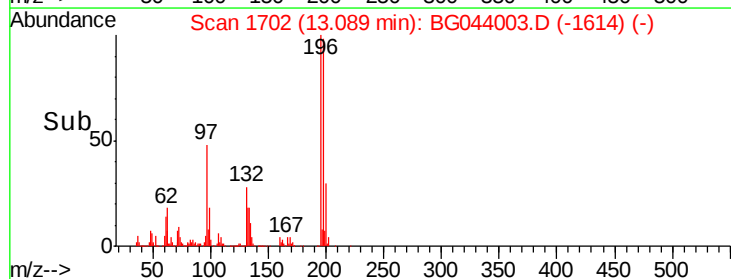
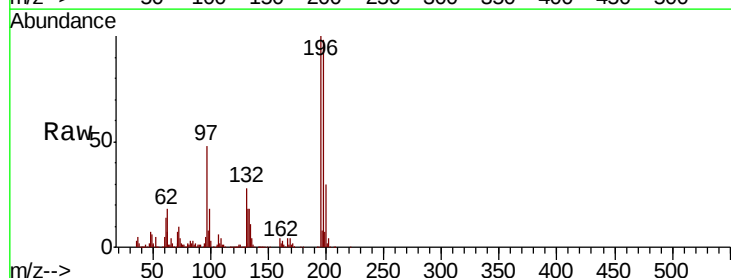
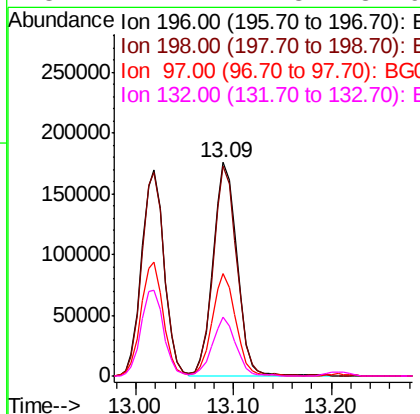
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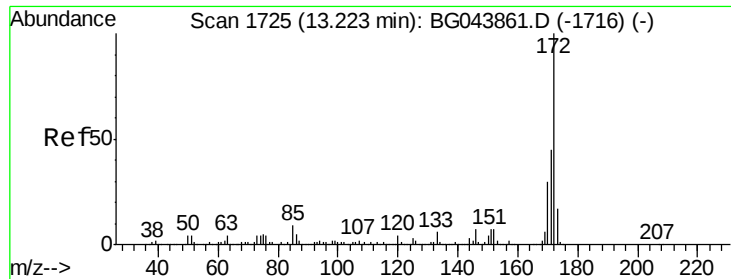
mohammad
 1/13/2020 2:21:00 PM



#44
 2,4,5-Trichlorophenol
 Concen: 45.510 ng
 RT: 13.09 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG044003.D
 Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	297437		
198	98.4	78.3	117.5	
97	48.2	38.8	58.2	
132	27.7	21.3	31.9	





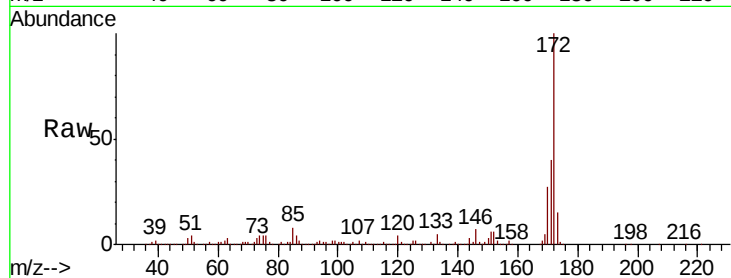
#45
2-Fluorobiphenyl
Concen: 57.825 ng
RT: 13.21 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.1	35.8	53.8
170	26.6	24.2	36.4

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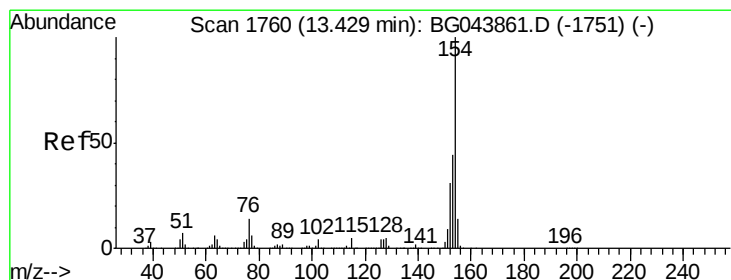
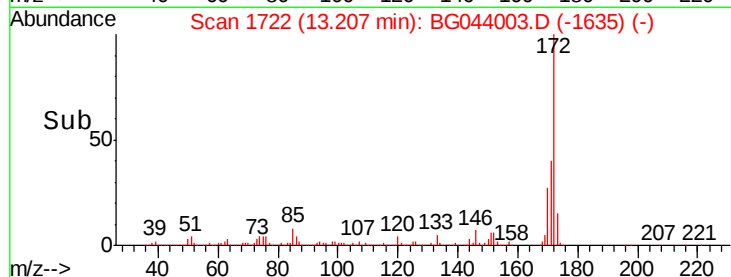
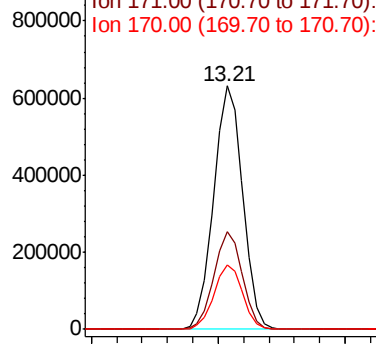


Abundance

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: 42.664 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

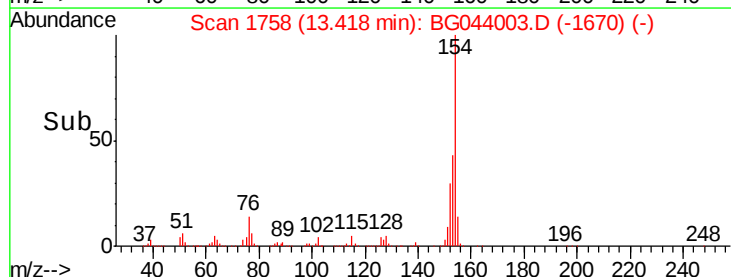
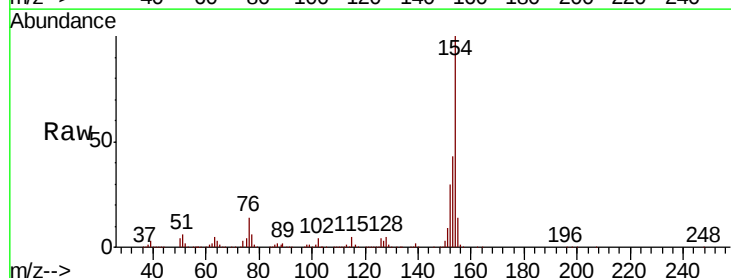
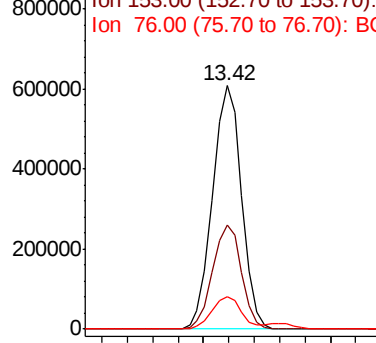
Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.0	23.6	63.6
76	13.6	0.0	34.4

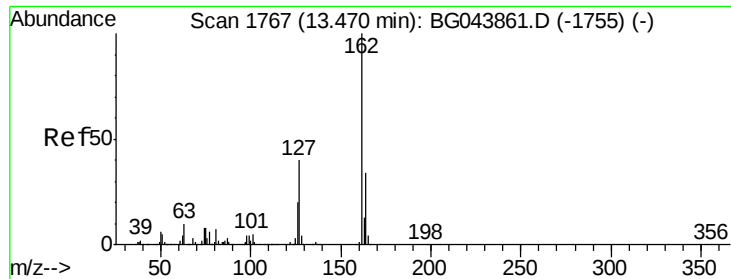
Abundance

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): BG





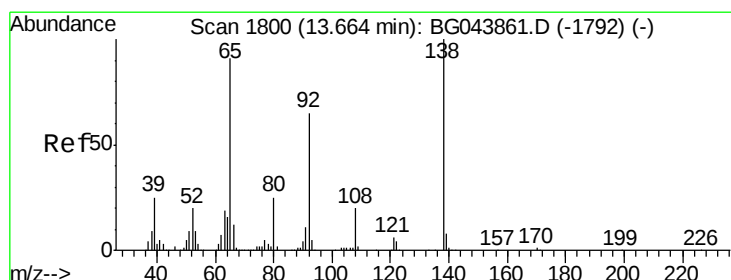
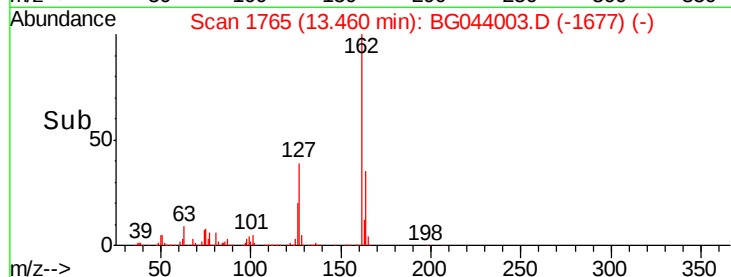
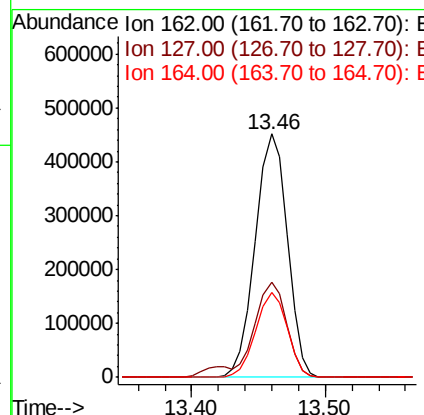
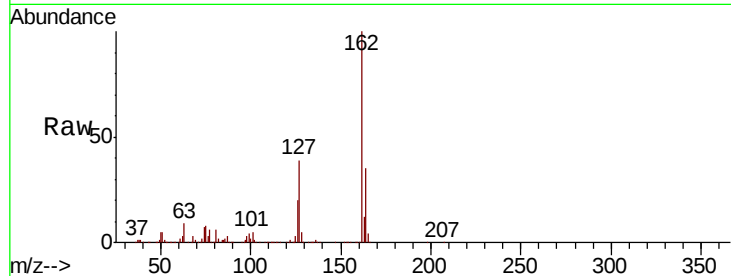
#47
 2-Chloronaphthalene
 Concen: 41.271 ng
 RT: 13.46 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BG044003.D
 Acq: 10 Jan 2020 15:35

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-AMSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	39.0	32.1	48.1
164	34.9	27.5	41.3

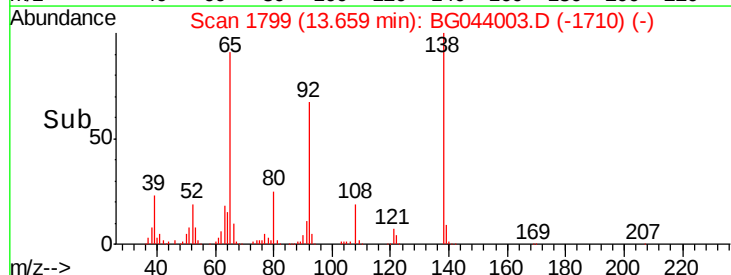
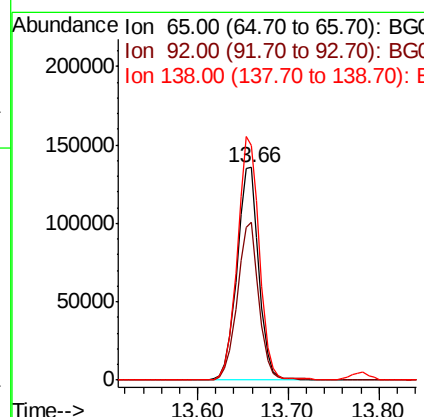
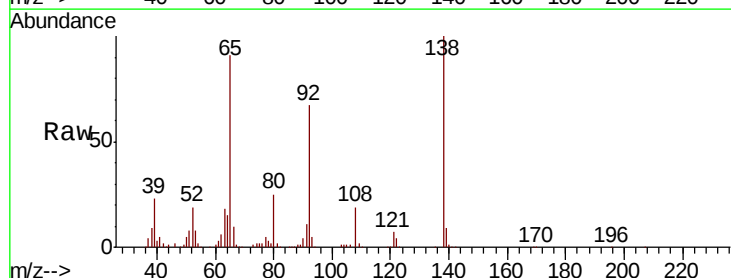
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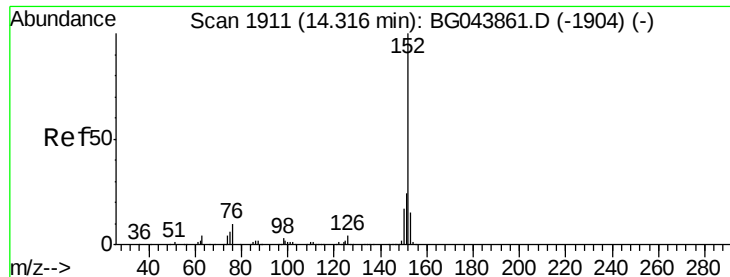
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#48
 2-Nitroaniline
 Concen: 39.168 ng
 RT: 13.66 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: BG044003.D
 Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	74.3	57.4	86.2
138	110.2	88.2	132.4





#49

Acenaphthylene

Concen: 44.797 ng

RT: 14.31 min Scan# 1909

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

ClientSampleId :

SOIL-AMSD

Tot Ion:152 Resp: 1172103

Ion Ratio Lower Upper

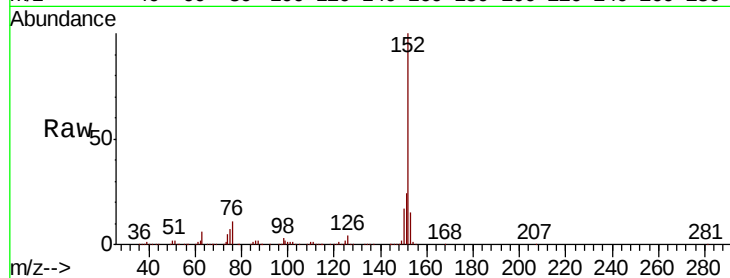
152 100

151 23.7 19.4 29.2

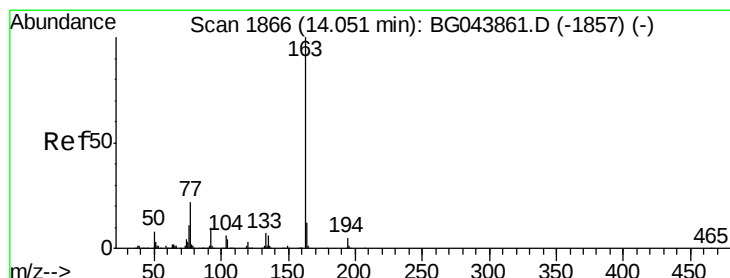
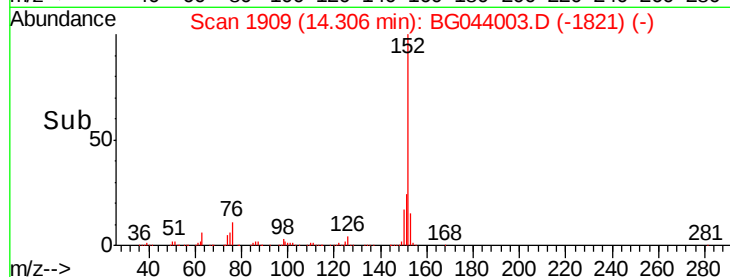
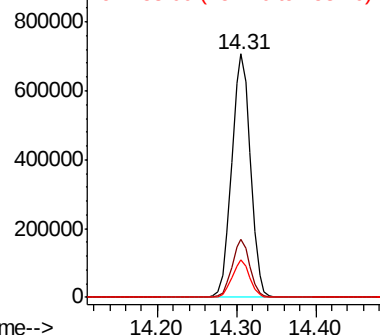
153 15.2 12.0 18.0

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



#50

Dimethylphthalate

Concen: 45.678 ng

RT: 14.04 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

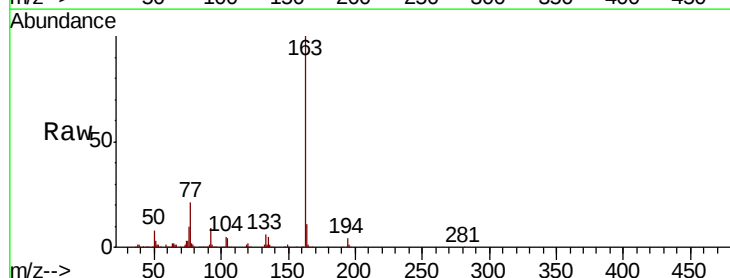
Tgt Ion:163 Resp: 1019080

Ion Ratio Lower Upper

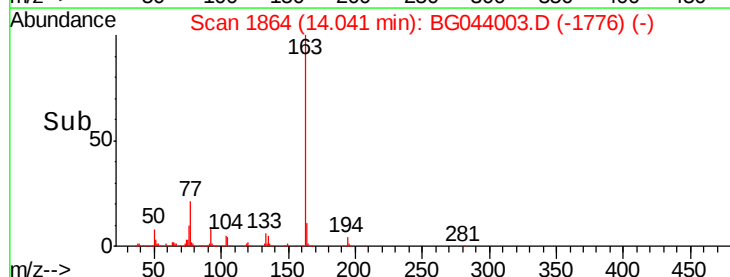
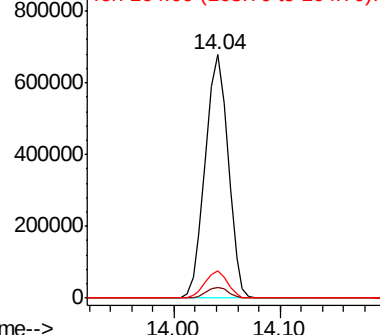
163 100

194 4.3 3.7 5.5

164 11.3 9.3 13.9



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





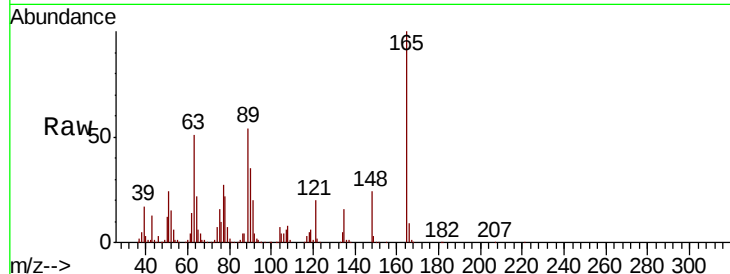
#51
2,6-Dinitrotoluene
Concen: 43.442 ng
RT: 14.15 min Scan# 1883
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

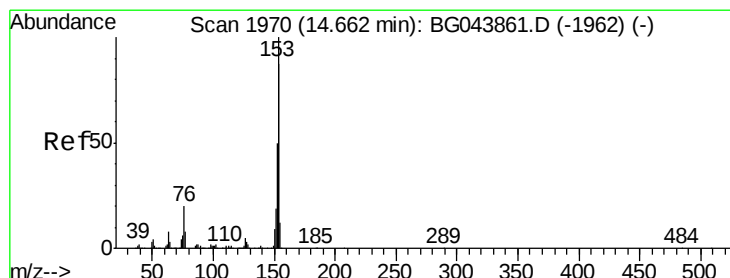
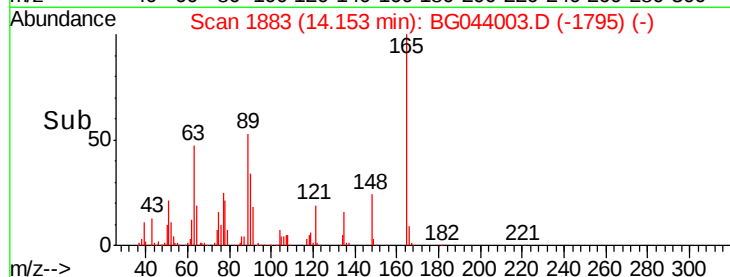
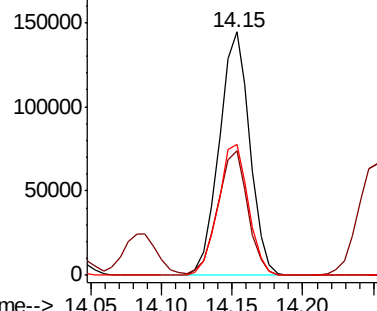
Tot Ion:	165	Resp:	219060
Ion Ratio	Lower	Upper	
165	100		
63	51.1	43.1	64.7
89	53.7	43.8	65.6

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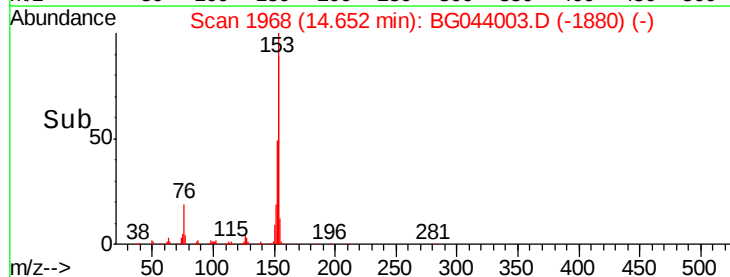
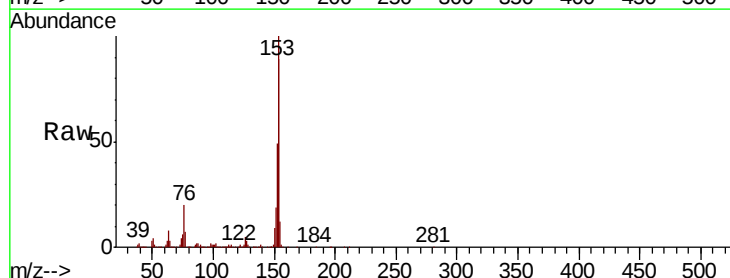
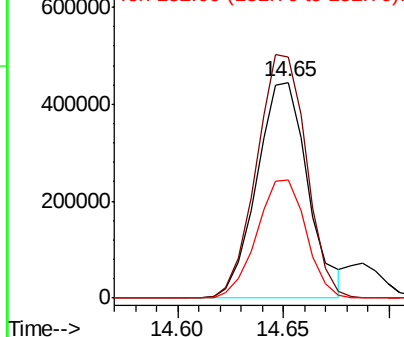
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC



#52
Acenaphthene
Concen: 40.783 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion:	154	Resp:	748330
Ion Ratio	Lower	Upper	
154	100		
153	112.0	91.6	137.4
152	55.0	45.4	68.0

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





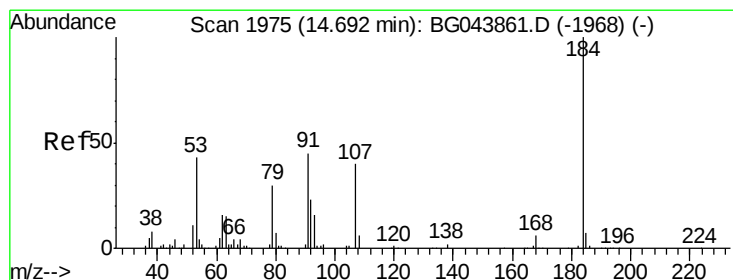
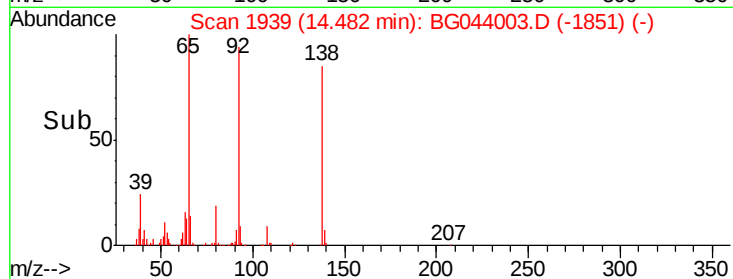
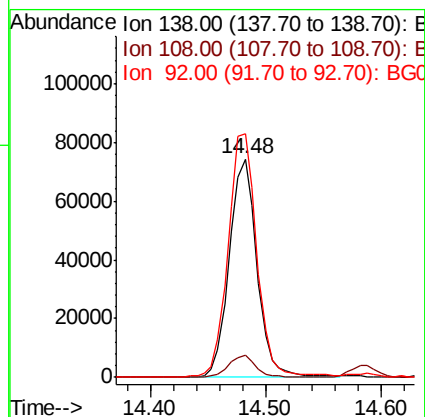
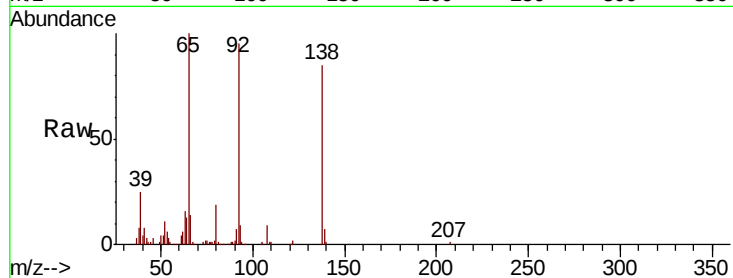
#53
3-Nitroaniline
Concen: 21.649 ng
RT: 14.48 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampled :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	7.4	11.2
92	111.6	92.1	138.1

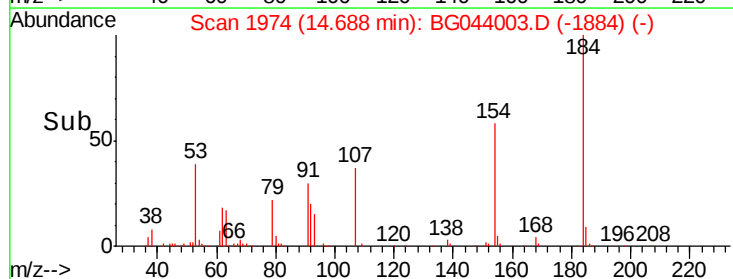
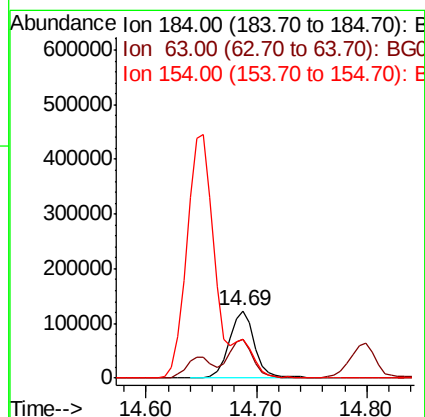
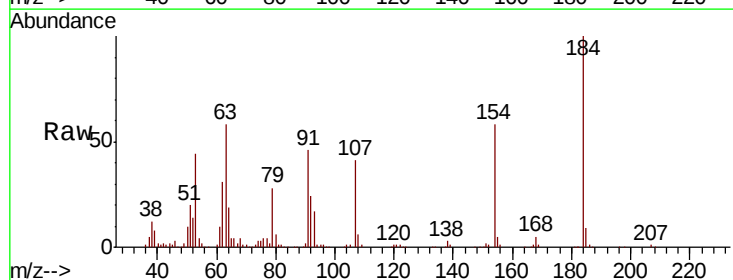
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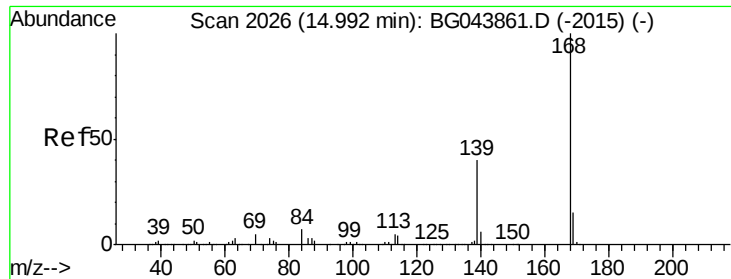
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#54
2,4-Dinitrophenol
Concen: 77.092 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.9	46.6	70.0
154	58.5	50.2	75.4





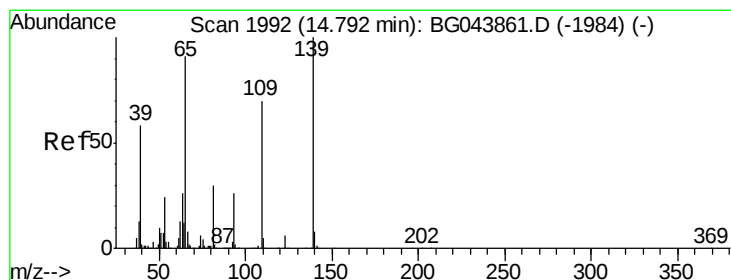
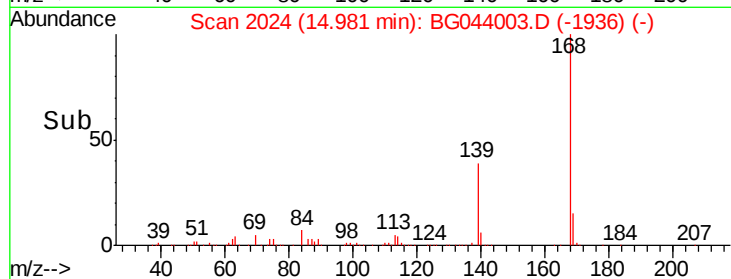
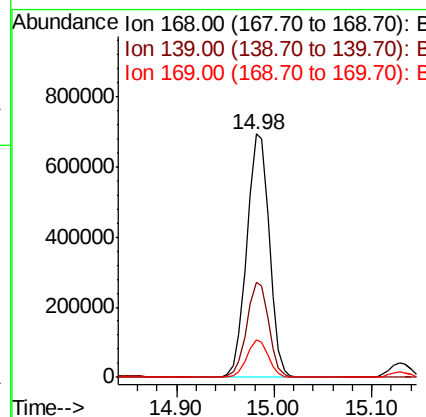
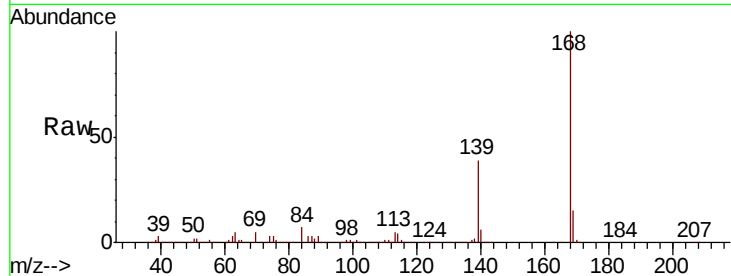
#55
Dibenzofuran
Concen: 44.093 ng
RT: 14.98 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.1	32.2	48.2
169	15.2	12.2	18.2

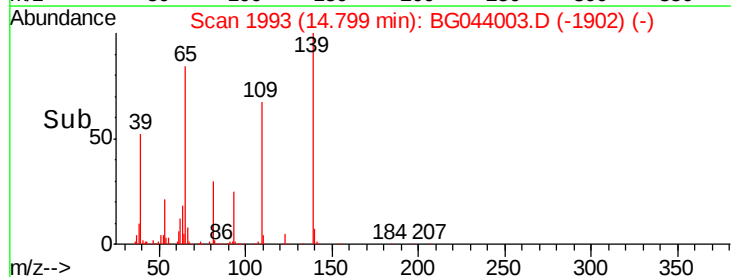
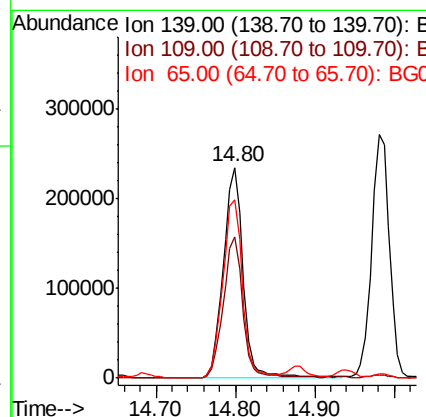
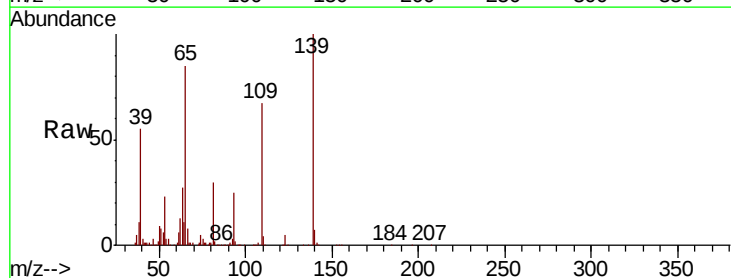
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#56
4-Nitrophenol
Concen: 92.840 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.0	50.4	90.4
65	84.7	71.4	111.4





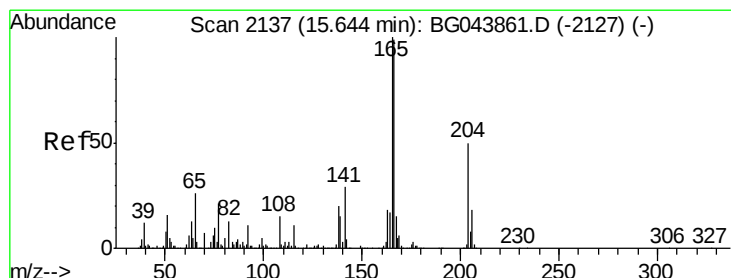
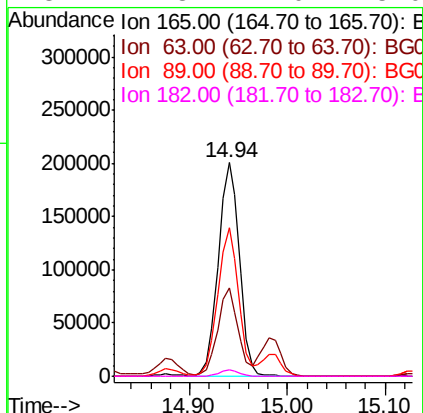
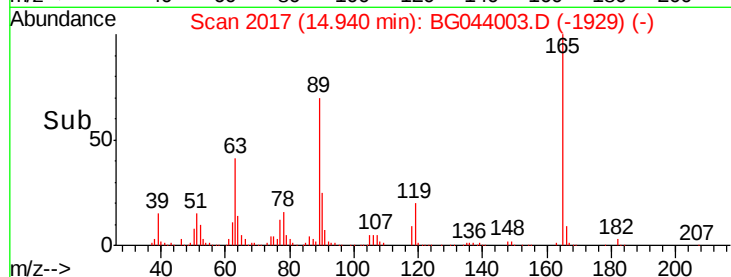
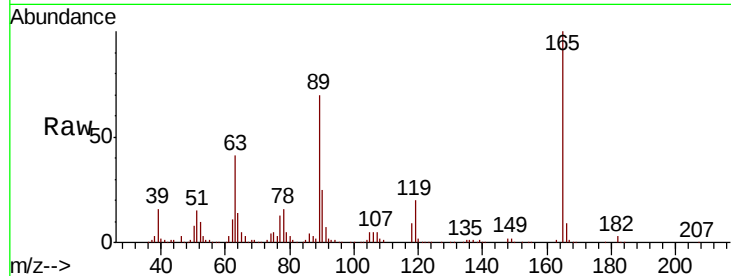
#57
2,4-Dinitrotoluene
Concen: 43.765 ng
RT: 14.94 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	300293		
63	41.3		31.9	47.9
89	69.7		53.8	80.6
182	2.8		2.0	3.0

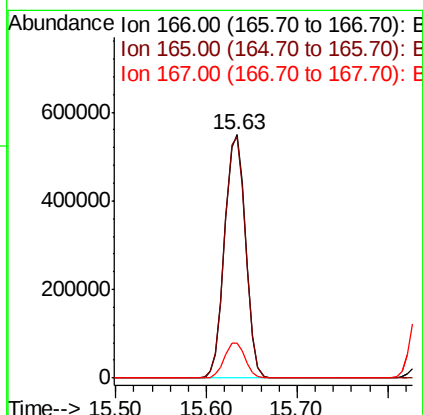
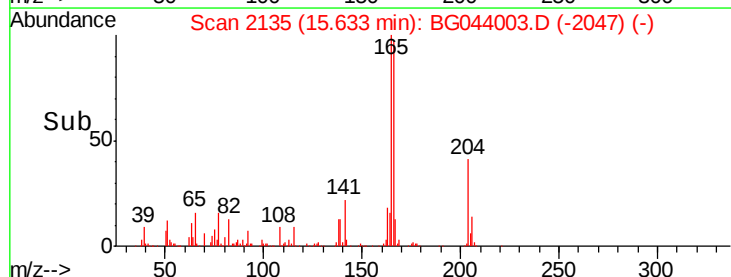
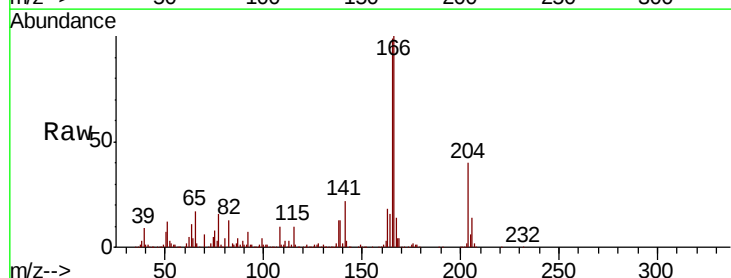
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#58
Fluorene
Concen: 43.859 ng
RT: 15.63 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	878099		
165	99.2		80.8	121.2
167	14.5		12.1	18.1





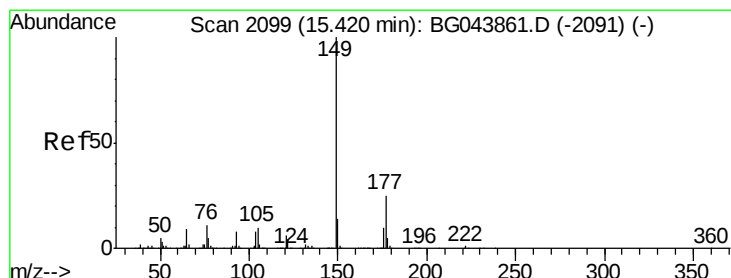
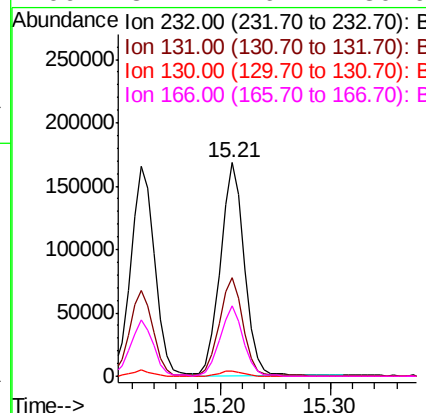
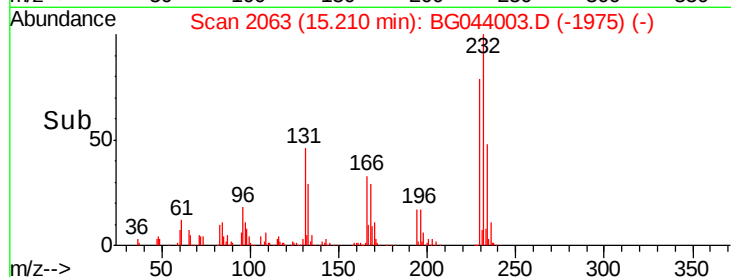
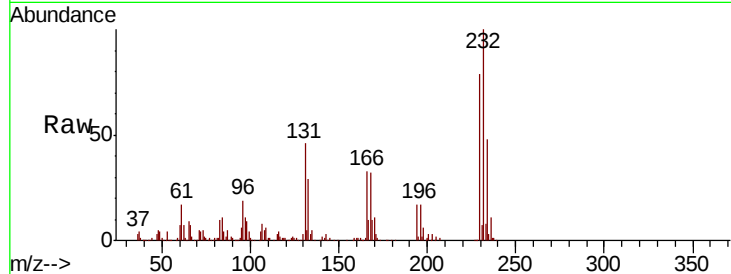
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.959 ng
RT: 15.21 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	252668		
131	44.8		38.2	57.2
130	2.6		2.2	3.2
166	32.1		26.4	39.6

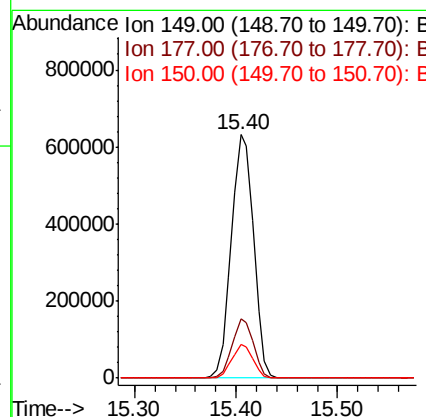
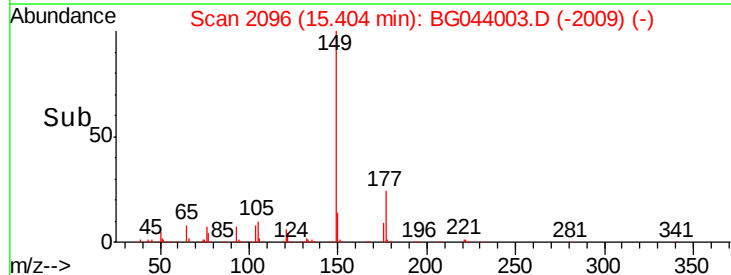
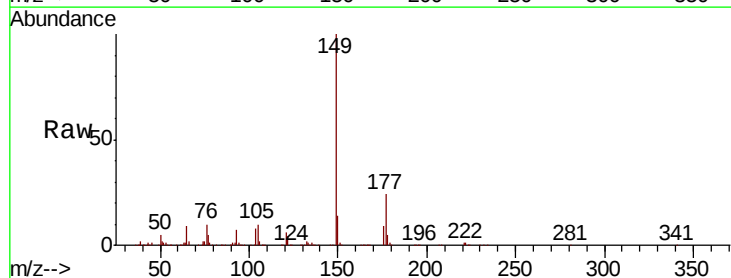
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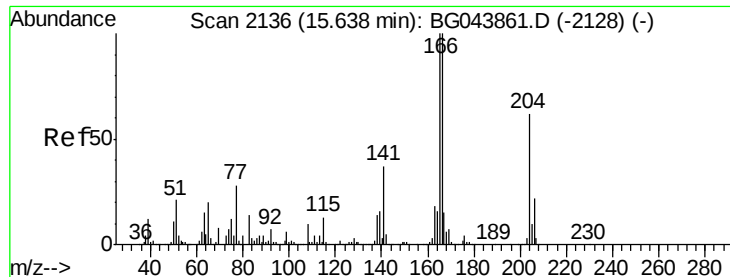
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#60
Diethylphthalate
Concen: 43.146 ng
RT: 15.40 min Scan# 2096
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	962778		
177	24.2		20.0	30.0
150	13.7		11.1	16.7





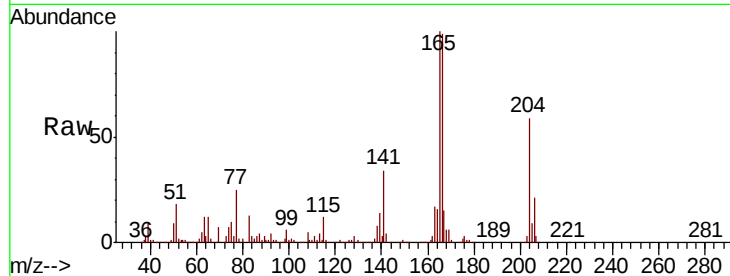
#61
4-Chlorophenyl-phenylether
Concen: 42.100 ng
RT: 15.63 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.9	28.2	42.2
141	57.3	48.2	72.2

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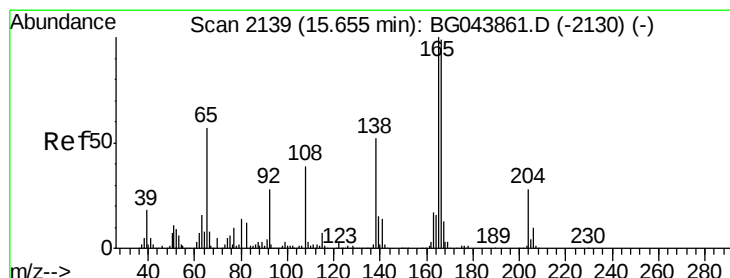
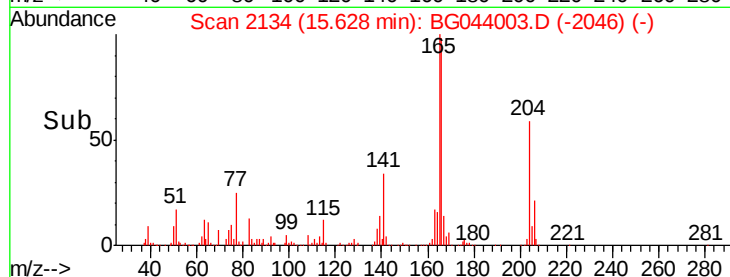
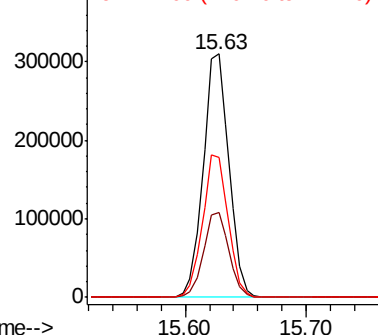


Abundance

Ion 204.00 (203.70 to 204.70): E

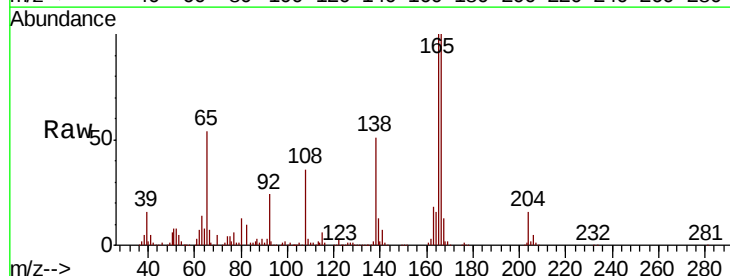
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 38.320 ng
RT: 15.65 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.5	34.3	74.3
108	71.5	55.0	95.0

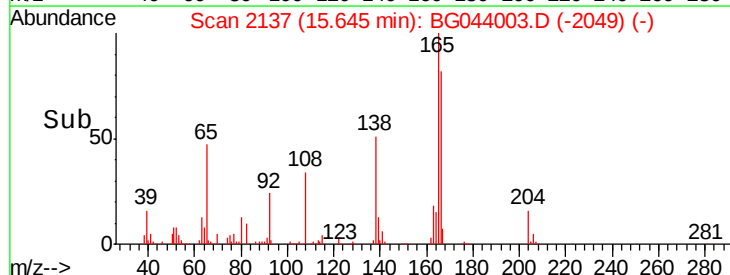
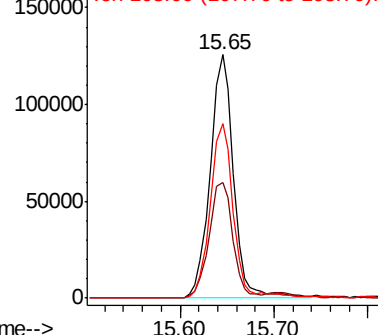


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





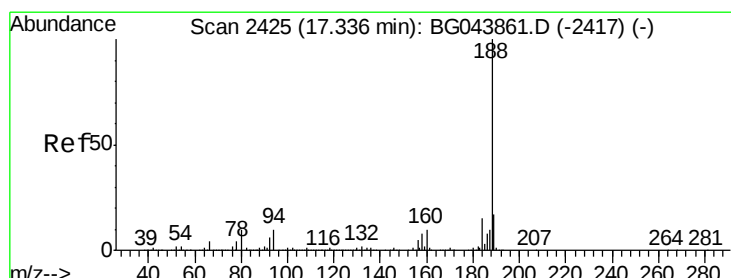
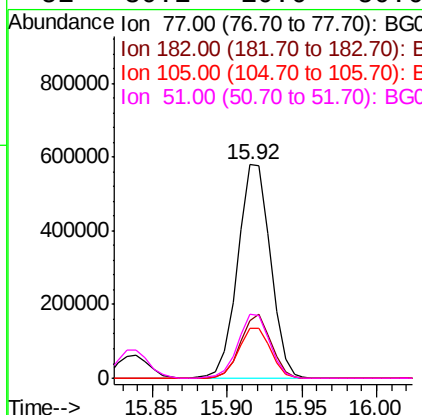
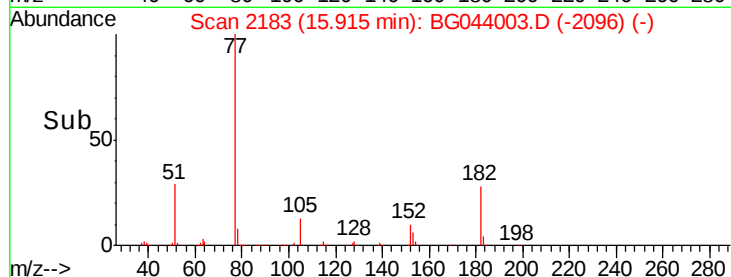
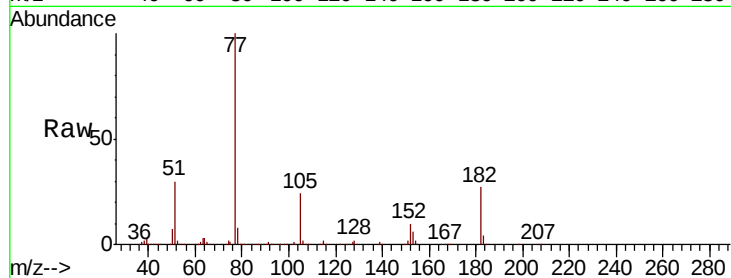
#63
Azobenzene
Concen: 42.660 ng
RT: 15.92 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.3	47.3
105	23.5	3.2	43.2
51	30.1	10.6	50.6

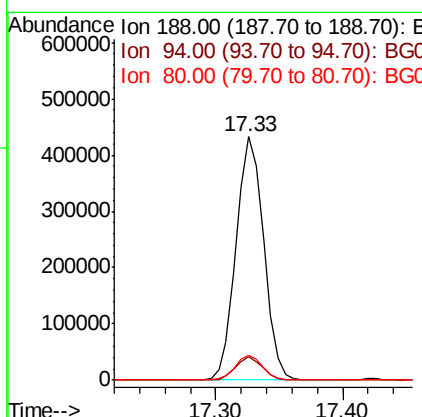
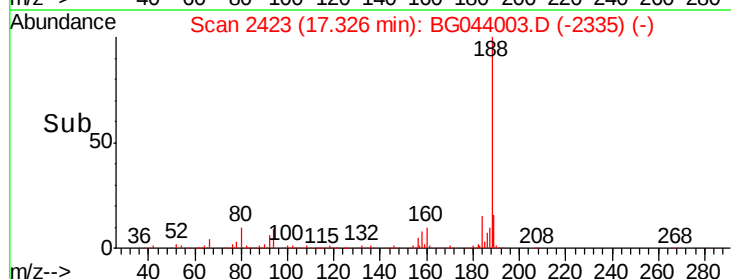
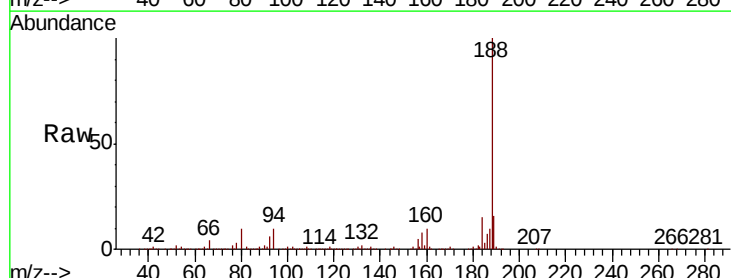
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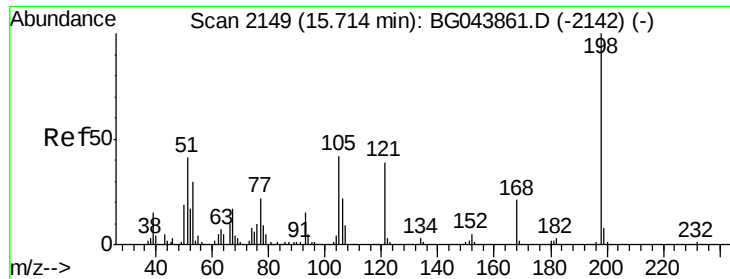
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.9	11.9
80	10.0	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 47.352 ng

RT: 15.70 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

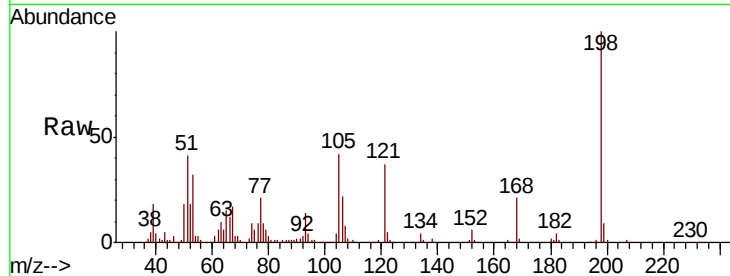
ClientSampleId :

SOIL-AMSD

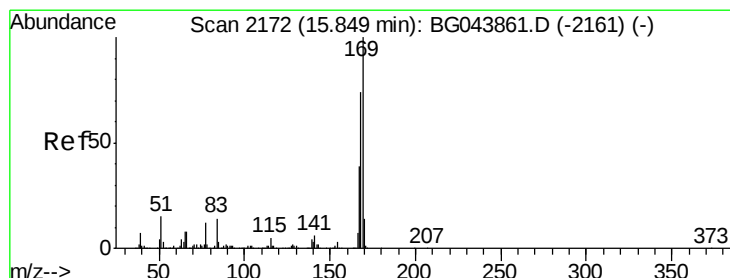
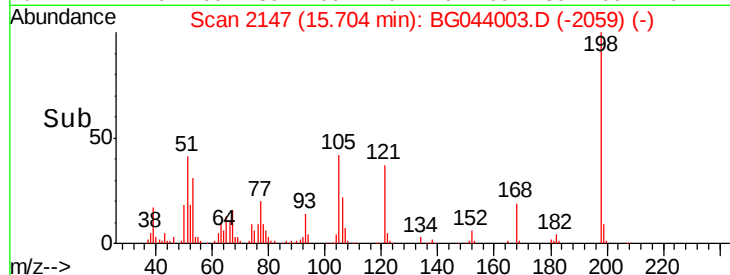
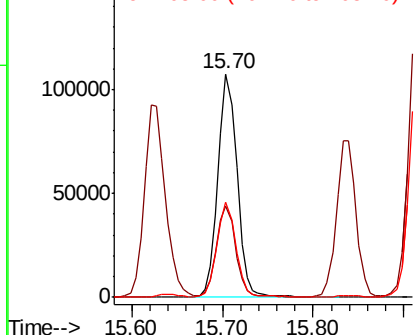
Tot Ion:	198	Resp:	158700
Ion Ratio	Lower	Upper	
198	100		
51	41.0	22.5	62.5
105	42.4	22.3	62.3

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



#66

n-Nitrosodiphenylamine

Concen: 42.971 ng

RT: 15.84 min Scan# 2170

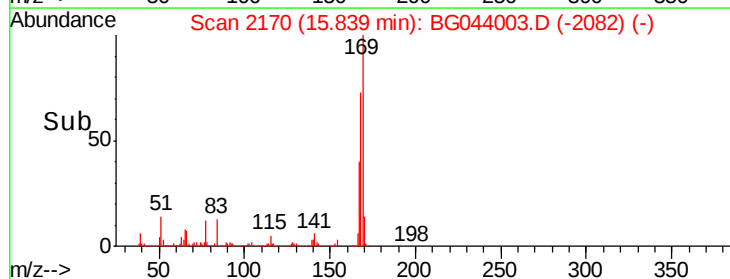
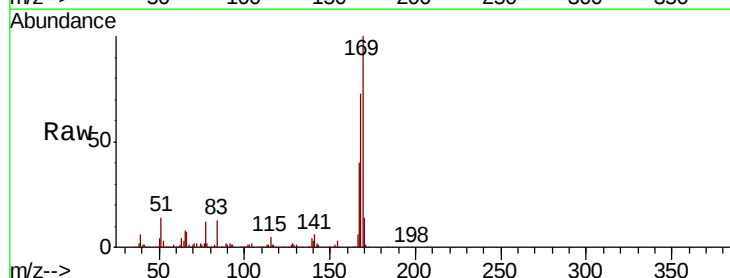
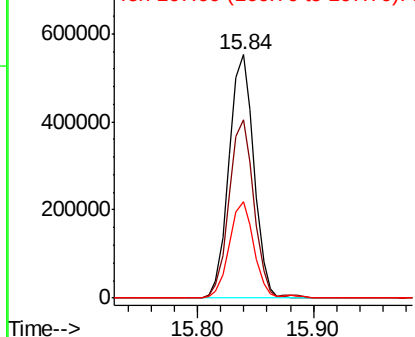
Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion:	169	Resp:	824305
Ion Ratio	Lower	Upper	
169	100		
168	73.0	59.0	88.6
167	39.6	31.4	47.0

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





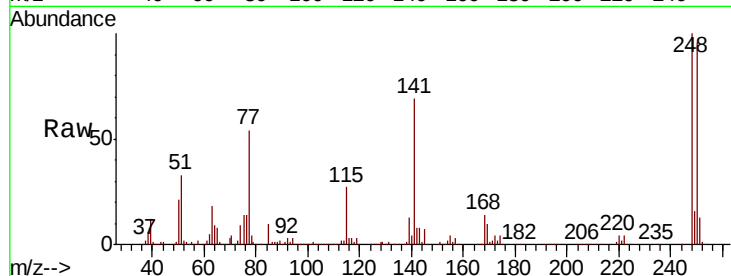
#67
4-Bromophenyl-phenylether
Concen: 40.641 ng
RT: 16.52 min Scan# 2286
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	78.2	117.2
141	69.5	59.3	88.9

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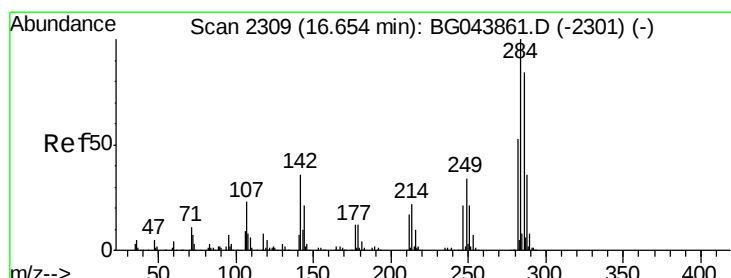
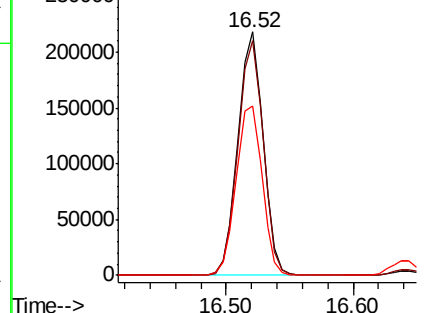
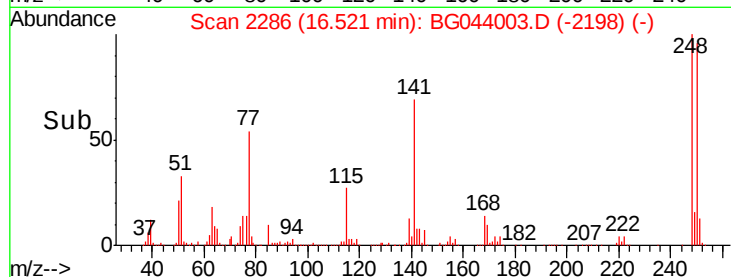


Abundance

Ion 248.00 (247.70 to 248.70): E

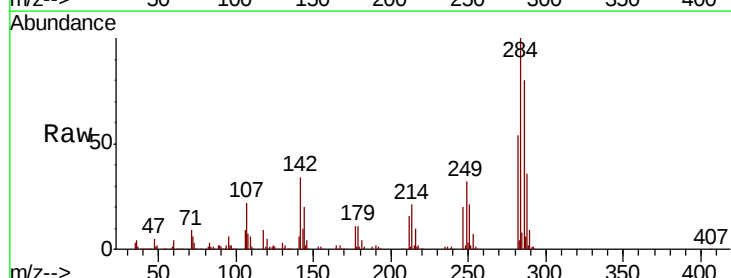
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 40.461 ng
RT: 16.64 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.6	28.6	43.0
249	31.6	27.0	40.6

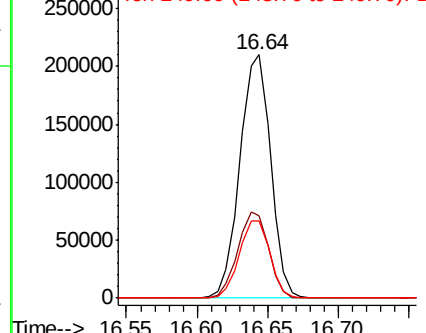
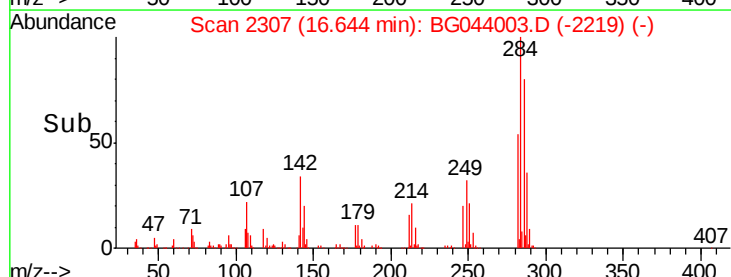


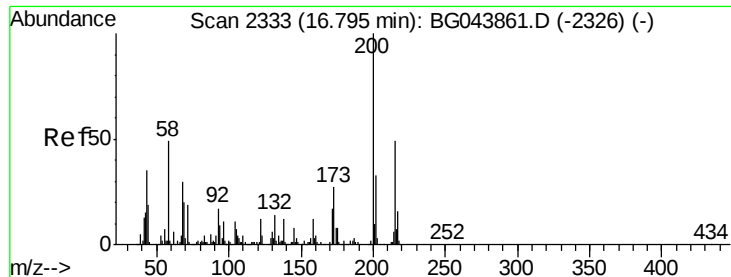
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





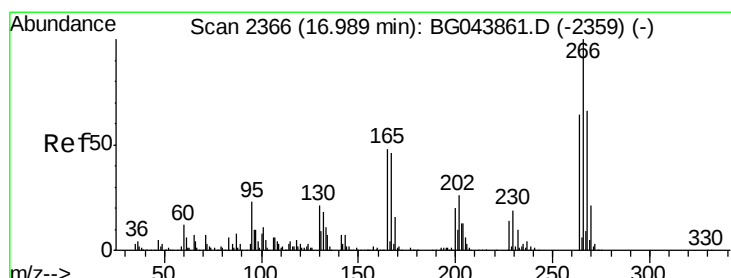
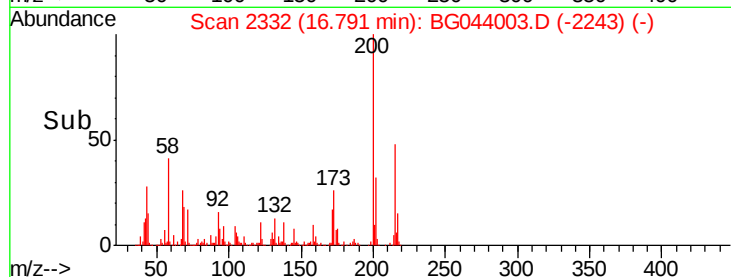
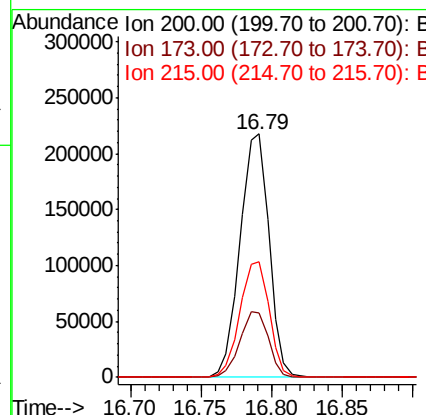
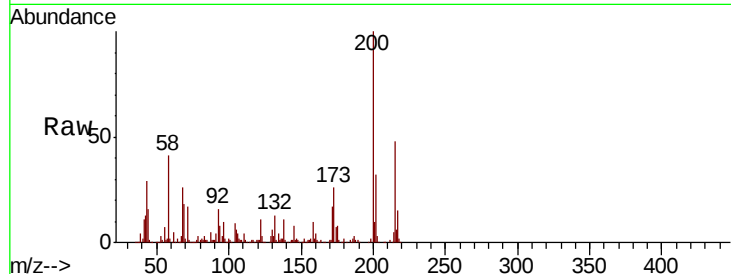
#69
Atrazine
Concen: 50.025 ng
RT: 16.79 min Scan# 2332
Delta R.T. -0.00 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	311927		
173	26.4	6.6	46.6	
215	47.6	28.6	68.6	

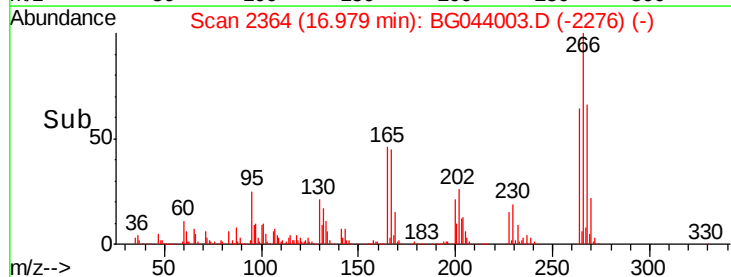
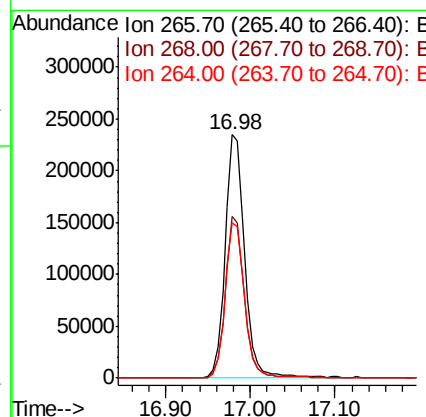
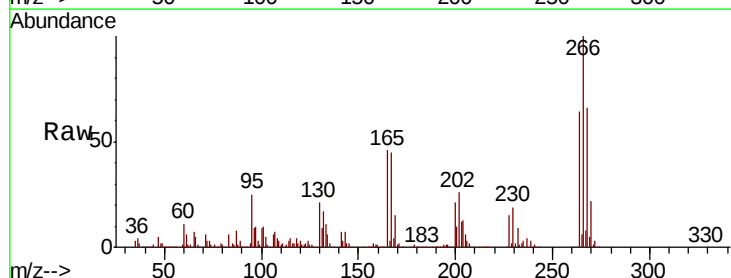
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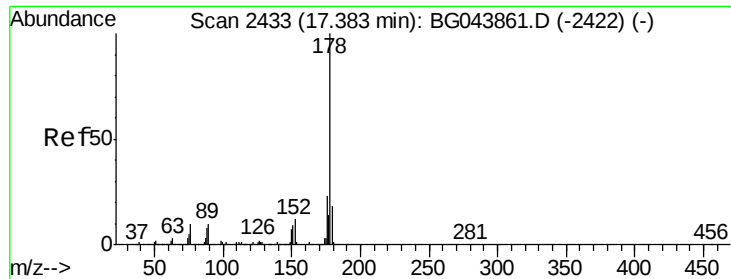
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#70
Pentachlorophenol
Concen: 86.578 ng
RT: 16.98 min Scan# 2364
Delta R.T. -0.01 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	376757		
268	66.2	52.6	79.0	
264	63.8	50.8	76.2	





#71

Phenanthrene

Concen: 44.230 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

ClientSampleId :

SOIL-AMSD

Tot Ion:178 Resp: 1381922

Ion Ratio Lower Upper

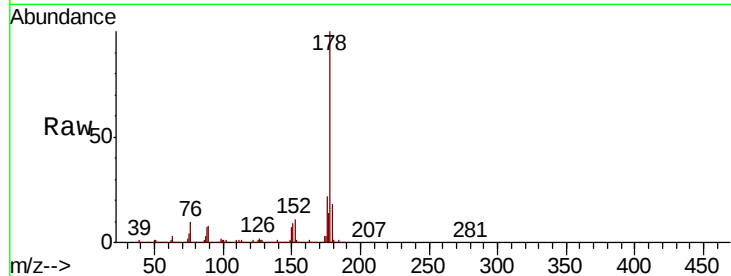
178 100

176 22.3 18.6 28.0

179 17.7 14.4 21.6

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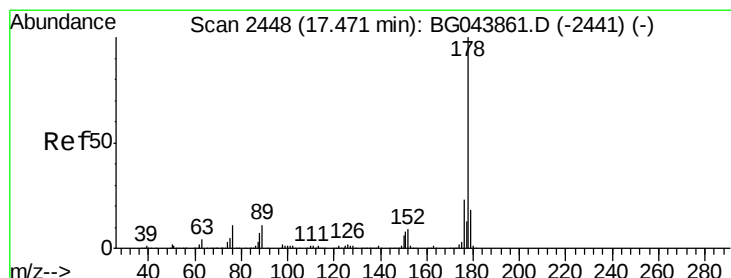
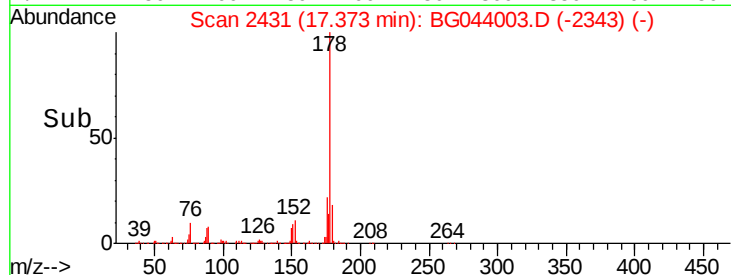
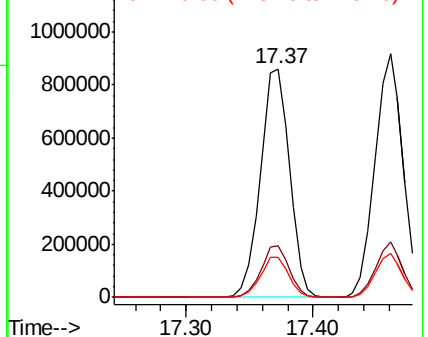


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 46.014 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion:178 Resp: 1420816

Ion Ratio Lower Upper

178 100

176 22.7 18.3 27.5

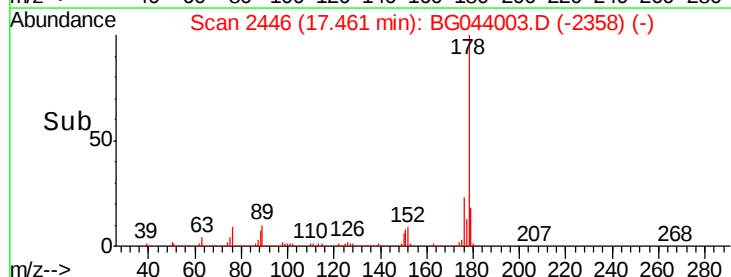
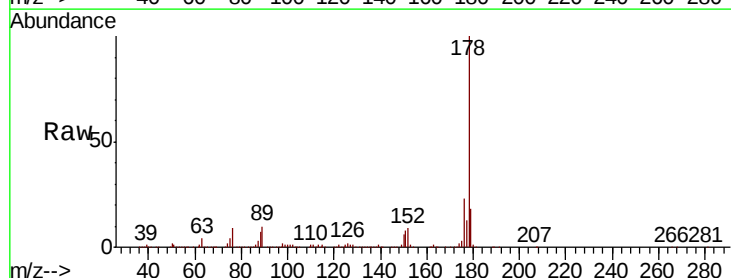
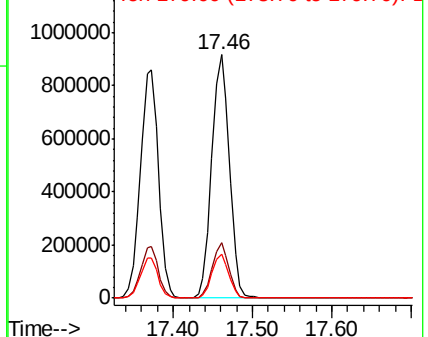
179 18.3 14.6 22.0

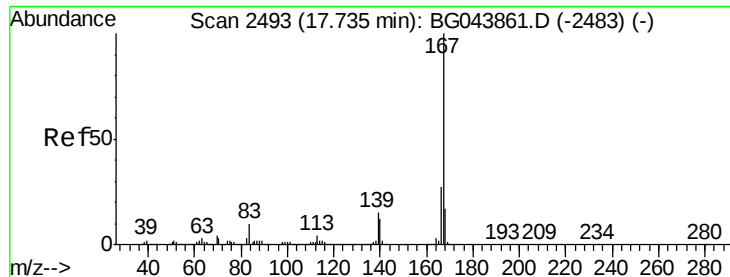
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





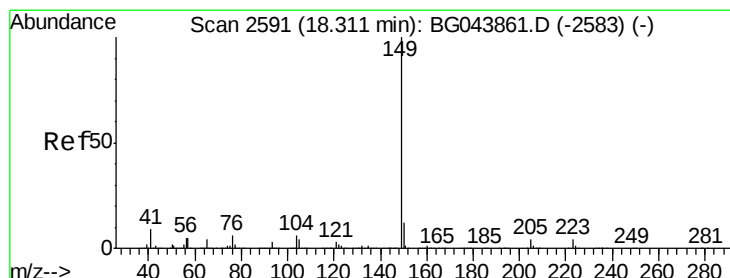
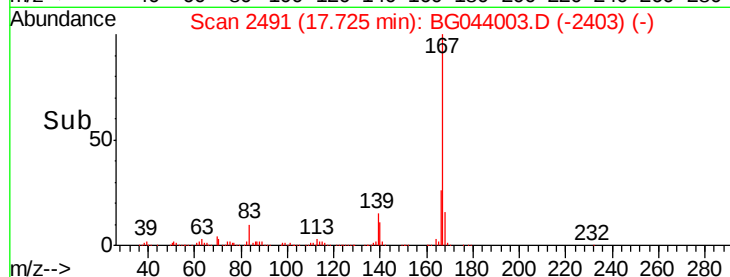
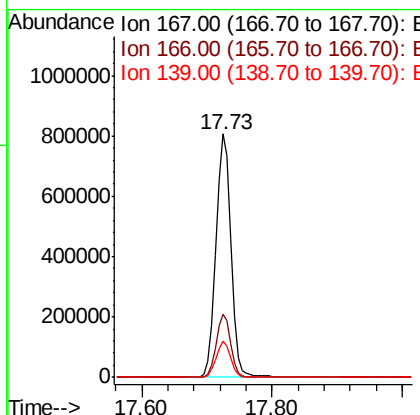
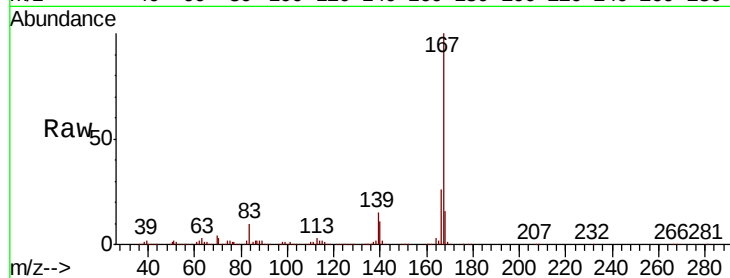
#73
 Carbazole
 Concen: 45.222 ng
 RT: 17.73 min Scan# 2491
 Delta R.T. -0.01 min
 Lab File: BG044003.D
 Acq: 10 Jan 2020 15:35

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.9	21.6	32.4
139	14.7	12.1	18.1

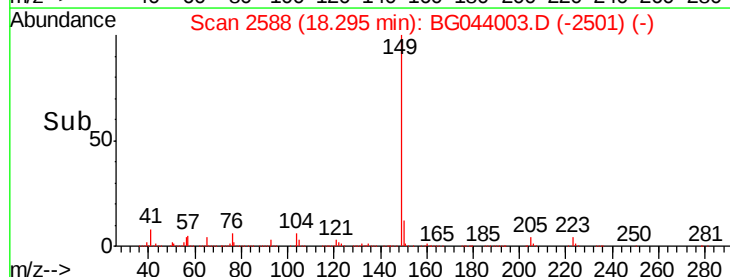
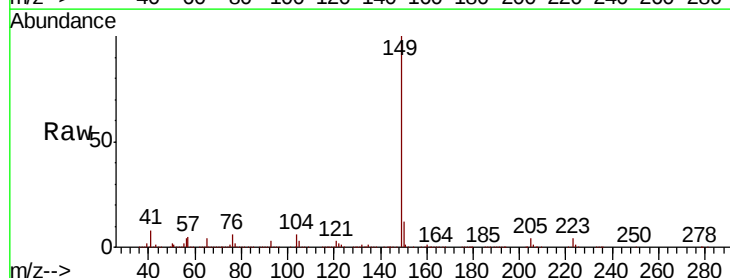
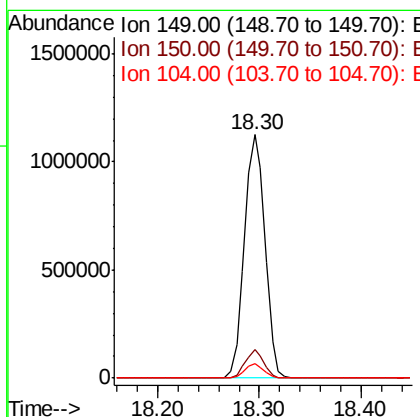
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#74
 Di-n-butylphthalate
 Concen: 43.334 ng
 RT: 18.30 min Scan# 2588
 Delta R.T. -0.02 min
 Lab File: BG044003.D
 Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.8	9.7	14.5
104	5.8	5.0	7.4





#75

Fluoranthene

Concen: 44.367 ng

RT: 19.38 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

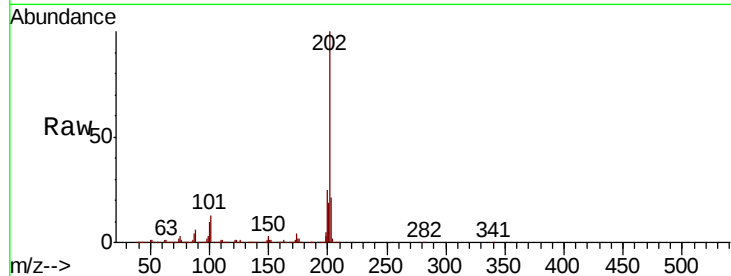
ClientSampleId :

SOIL-AMSD

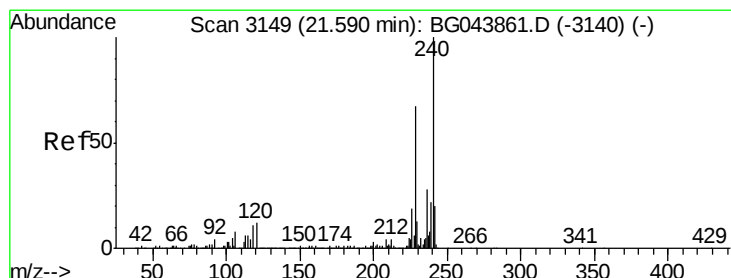
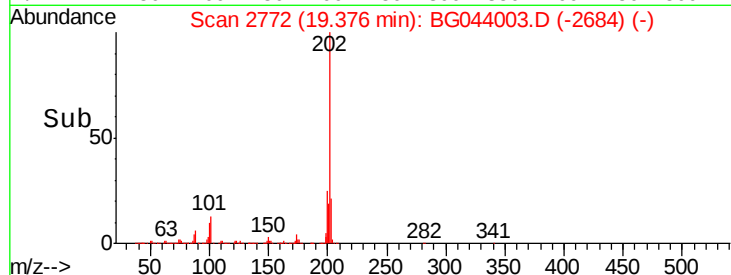
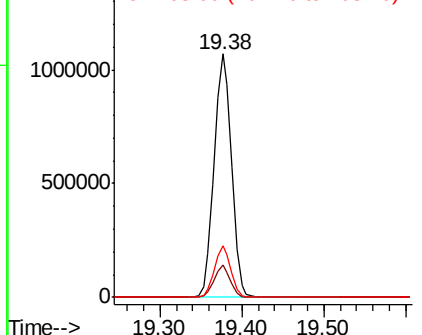
Tot Ion:	202	Resp:	1585320
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.3
203	21.0	1.6	41.6

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



#76

Chrysene-d12

Concen: 20.000 ng

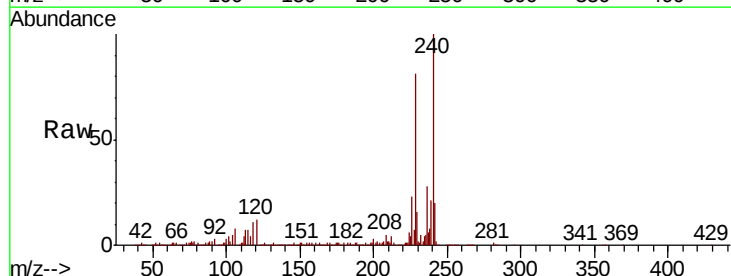
RT: 21.57 min Scan# 3146

Delta R.T. -0.02 min

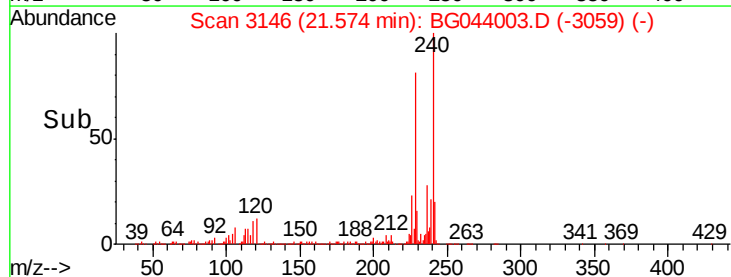
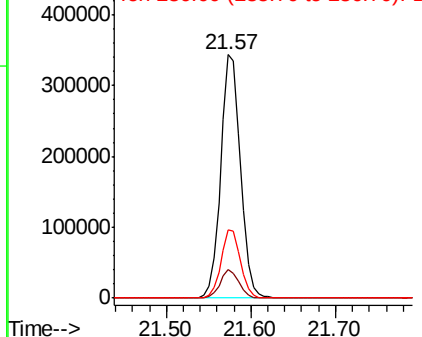
Lab File: BG044003.D

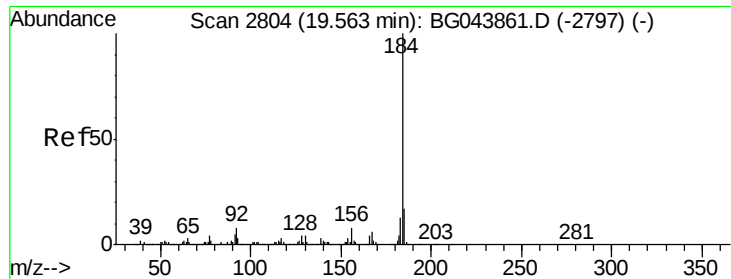
Acq: 10 Jan 2020 15:35

Tgt Ion:	240	Resp:	558153
Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.6	14.4
236	28.2	22.2	33.2



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





#77

Benzidine

Concen: 48.880 ng

RT: 19.55 min Scan# 2802

Delta R.T. -0.01 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

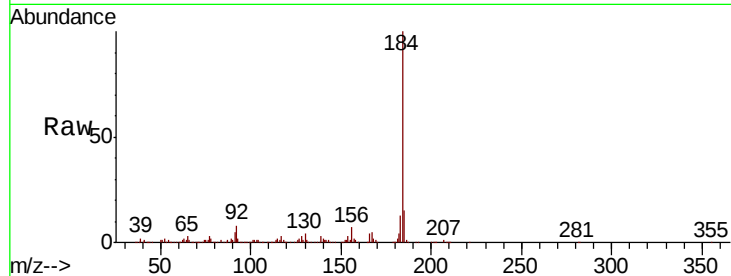
ClientSampleId :

SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	15.2	13.4	20.0
183	13.2	10.6	15.8

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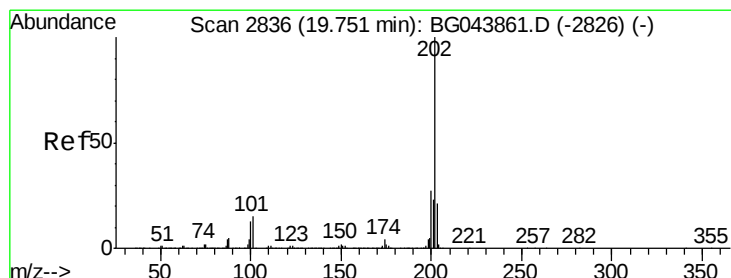
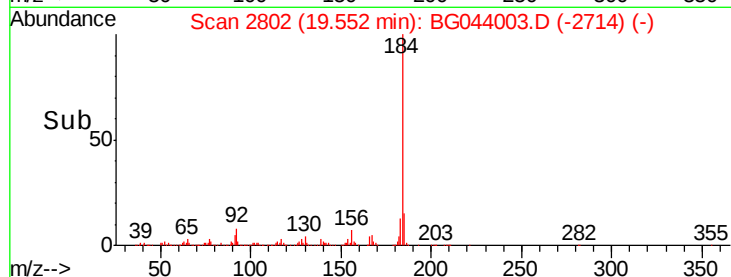
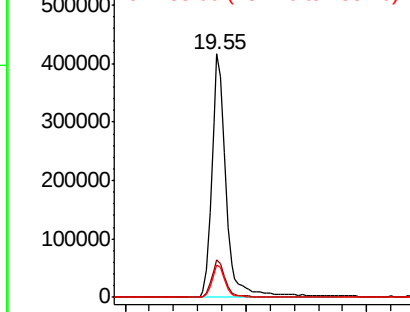


Abundance

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: 43.540 ng

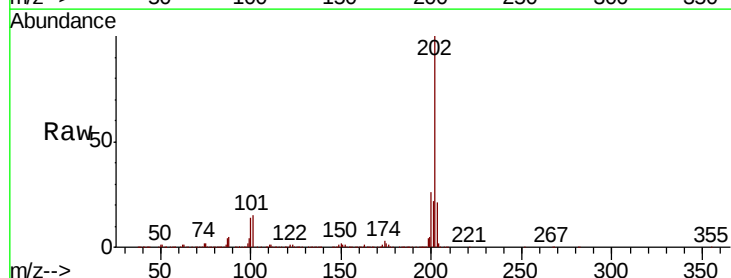
RT: 19.73 min Scan# 2833

Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	26.0	21.7	32.5
203	20.9	17.0	25.6

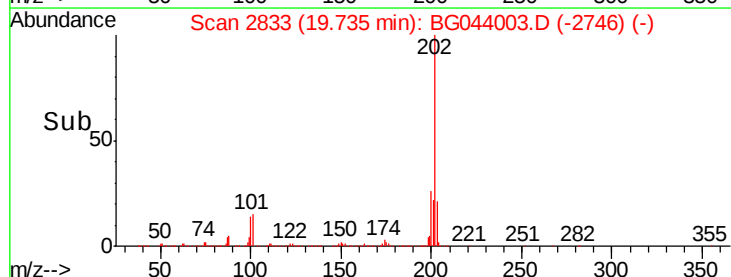
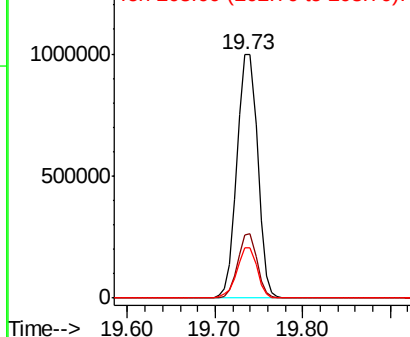


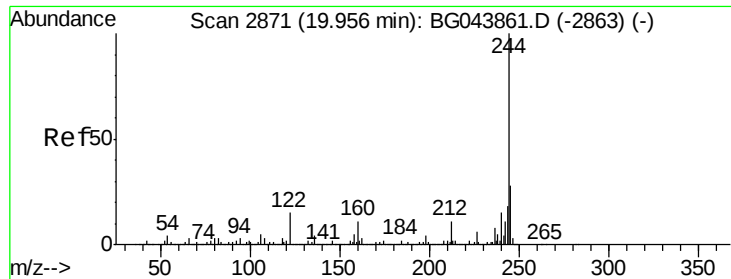
Abundance

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





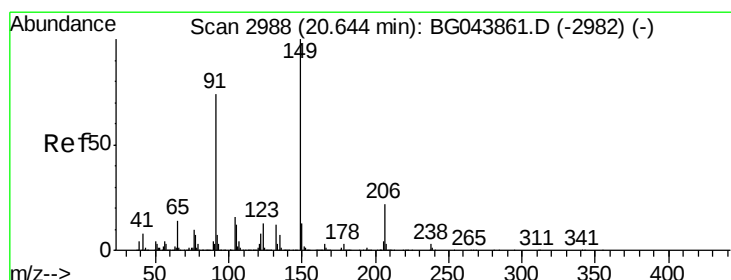
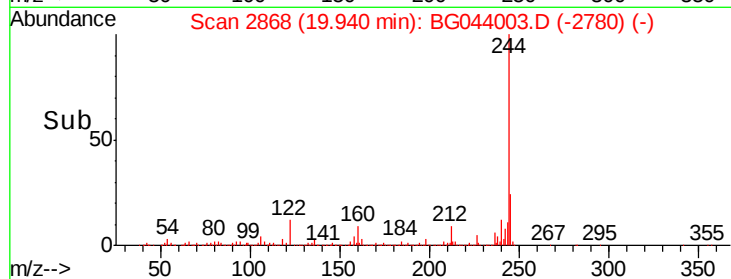
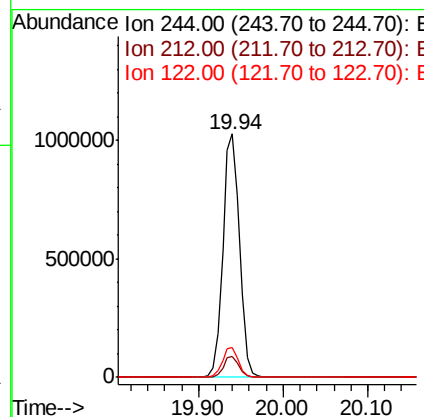
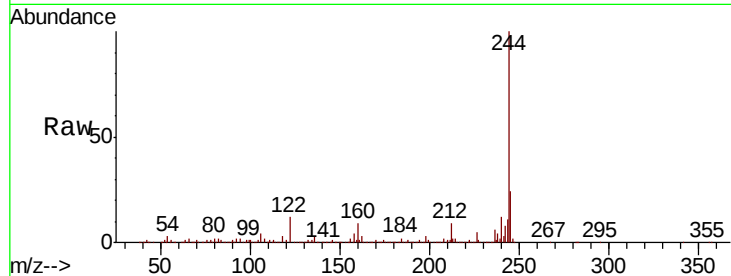
#79
 Terphenyl-d14
 Concen: 54.836 ng
 RT: 19.94 min Scan# 2868
 Delta R.T. -0.02 min
 Lab File: BG044003.D
 Acq: 10 Jan 2020 15:35

Instrument :
 BNA_G
 ClientSampled :
 SOIL-AMSD

Tot Ion:244 Resp: 1413274
 Ion Ratio Lower Upper
 244 100
 212 8.5 8.6 13.0#
 122 12.2 11.9 17.9

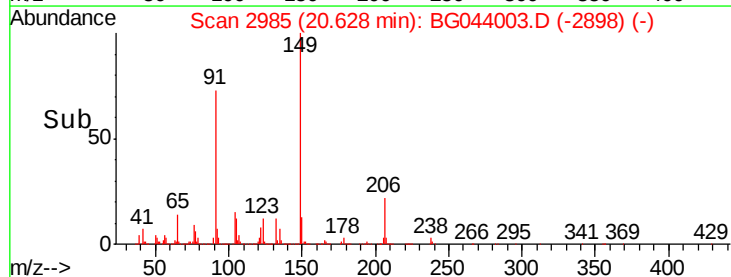
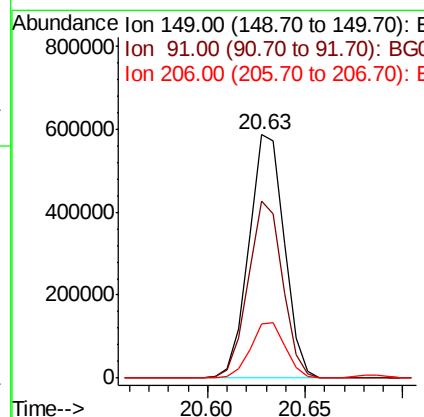
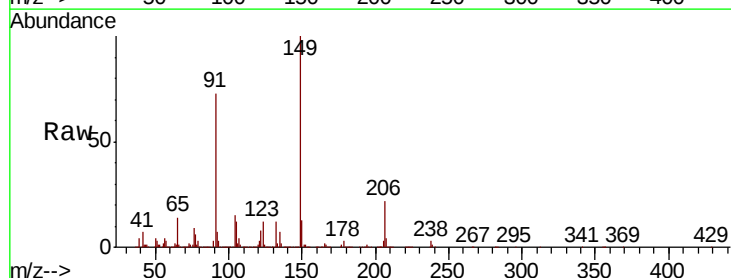
Manual Integrations
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#80
 Butylbenzylphthalate
 Concen: 42.567 ng
 RT: 20.63 min Scan# 2985
 Delta R.T. -0.02 min
 Lab File: BG044003.D
 Acq: 10 Jan 2020 15:35

Tgt Ion:149 Resp: 738336
 Ion Ratio Lower Upper
 149 100
 91 72.6 59.5 89.3
 206 22.1 17.8 26.6





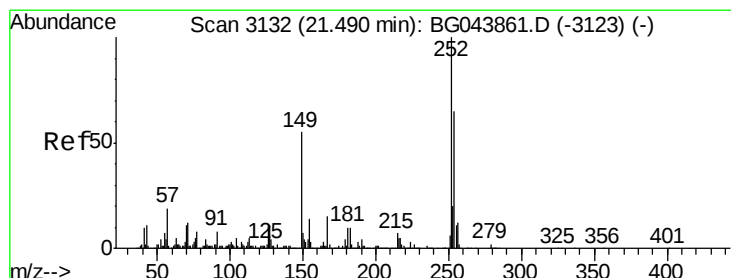
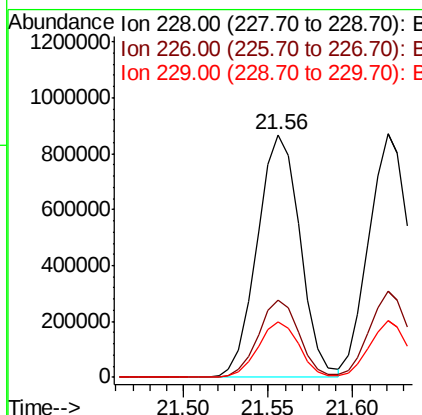
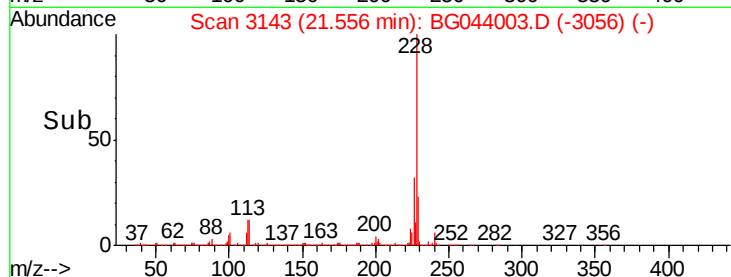
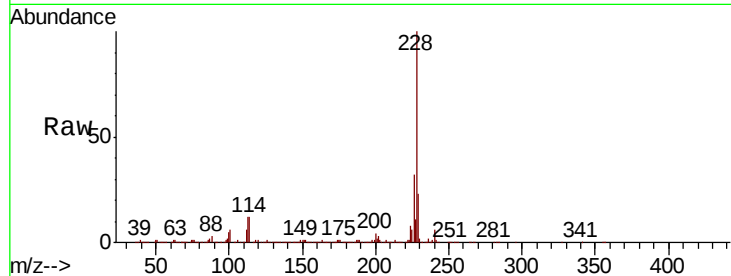
#81
Benzo(a)anthracene
Concen: 44.250 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	26.2	39.4
229	22.6	18.9	28.3

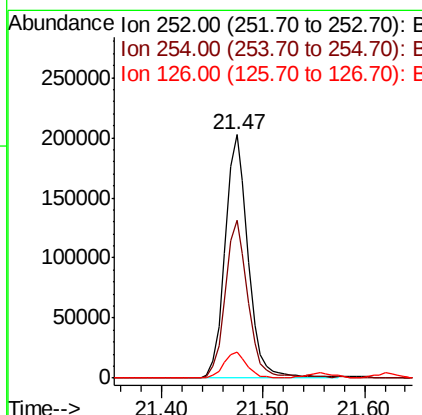
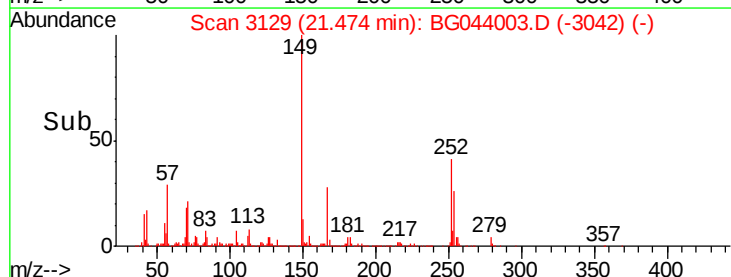
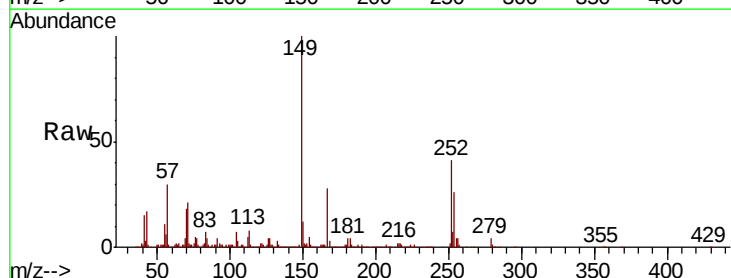
Manual Integrations
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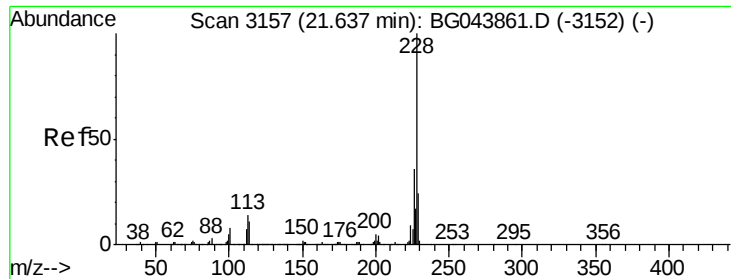
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#82
3,3'-Dichlorobenzidine
Concen: 23.370 ng
RT: 21.47 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.1	78.1
126	10.9	9.1	13.7





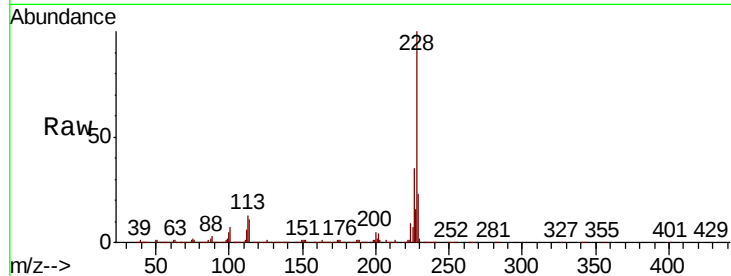
#83
Chrysene
Concen: 44.080 ng
RT: 21.62 min Scan# 3154
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

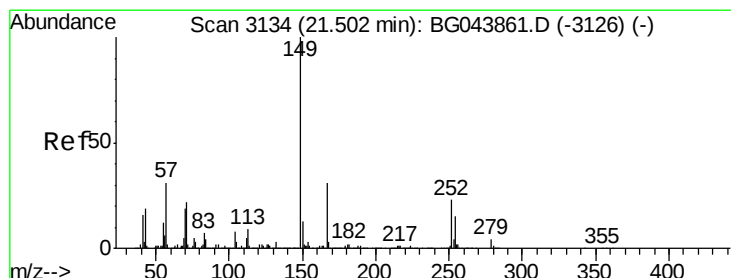
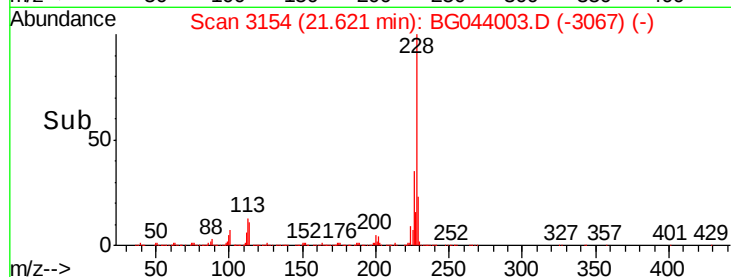
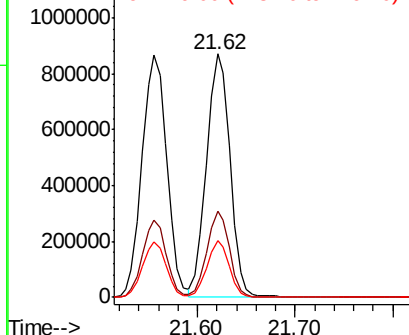
Tot Ion:228 Resp: 1449598
Ion Ratio Lower Upper
228 100
226 35.1 28.8 43.2
229 23.4 19.0 28.6

Manual Integrations
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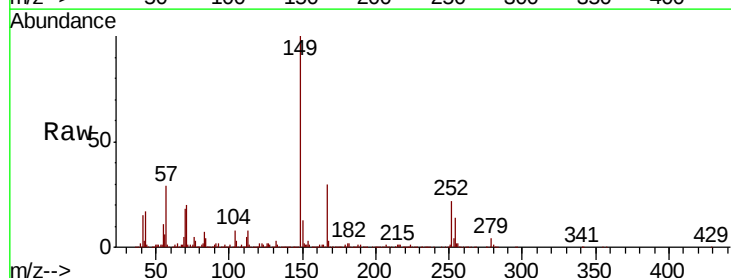


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

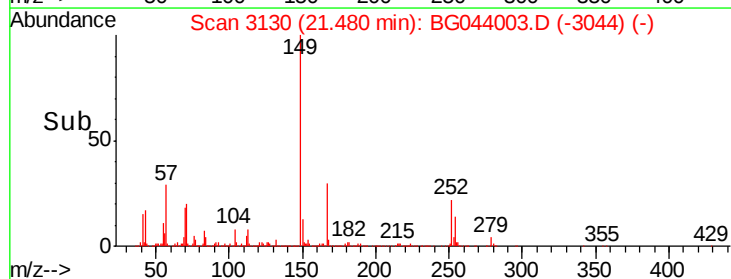
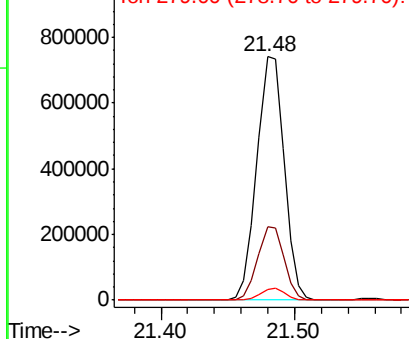


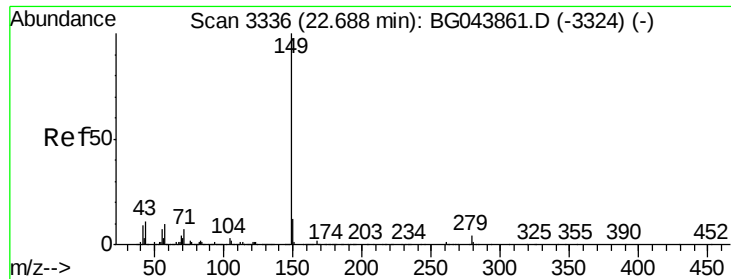
#84
Bis(2-ethylhexyl)phthalate
Concen: 43.759 ng
RT: 21.48 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion:149 Resp: 1047293
Ion Ratio Lower Upper
149 100
167 30.0 24.7 37.1
279 4.3 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 44.795 ng

RT: 22.66 min Scan# 3331

Delta R.T. -0.03 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

ClientSampleId :

SOIL-AMSD

Tot Ion:149 Resp: 1802359

Ion Ratio Lower Upper

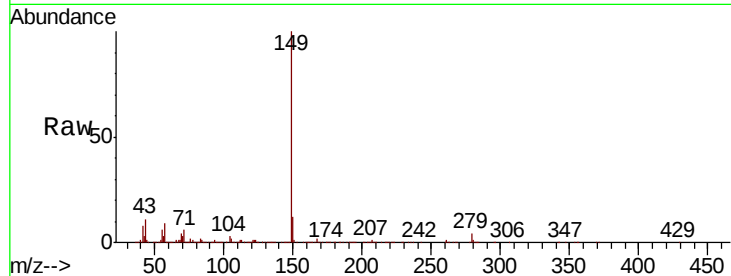
149 100

167 1.7 1.4 2.0

43 10.2 8.8 13.2

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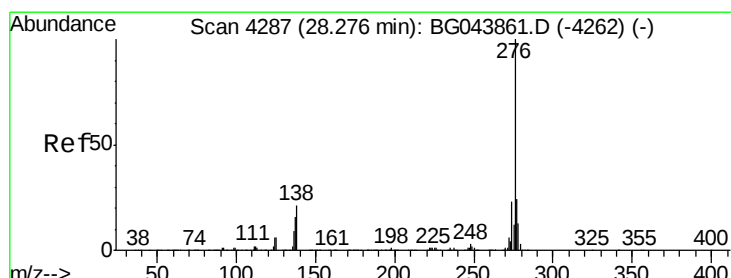
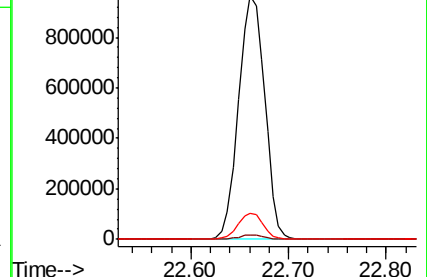
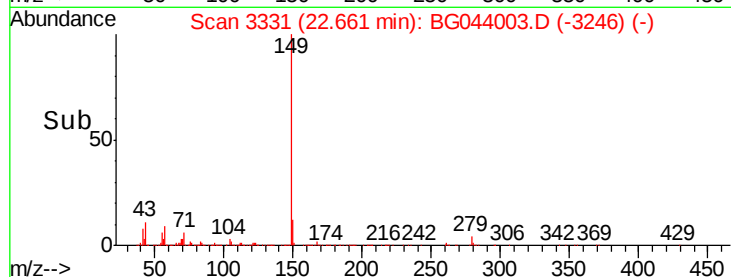
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 41.735 ng

RT: 28.23 min Scan# 4279

Delta R.T. -0.05 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

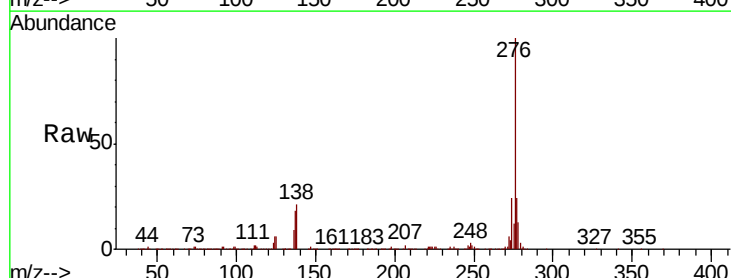
Tgt Ion:276 Resp: 1865230

Ion Ratio Lower Upper

276 100

138 18.0 21.0 31.4#

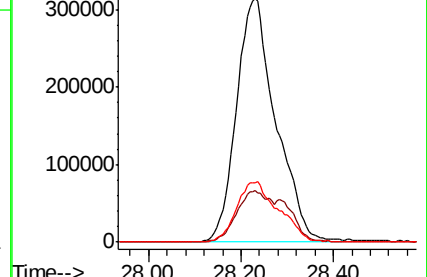
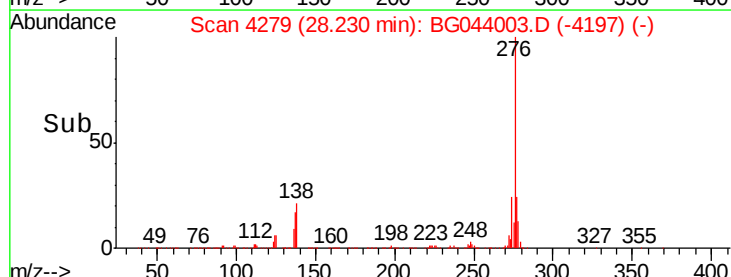
277 26.4 21.1 31.7

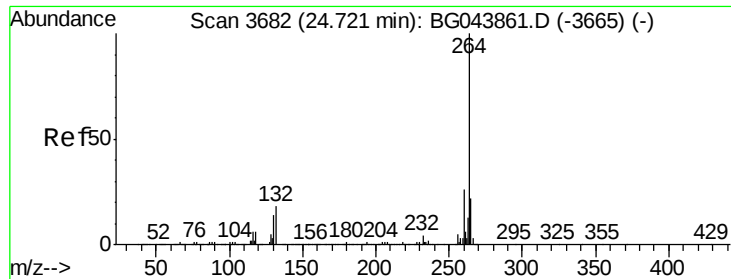


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





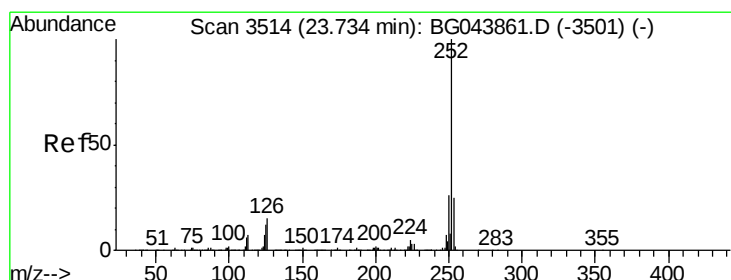
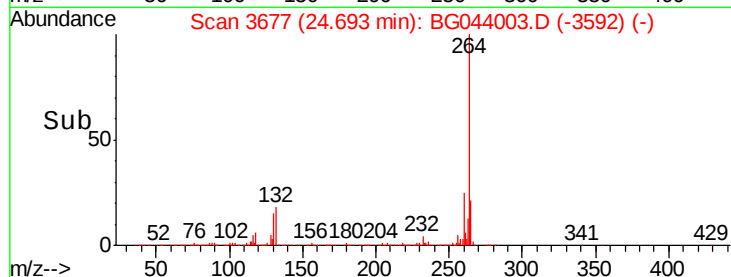
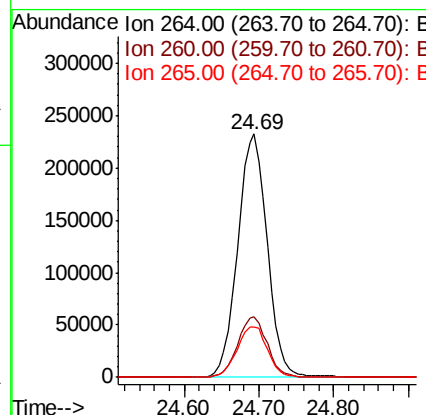
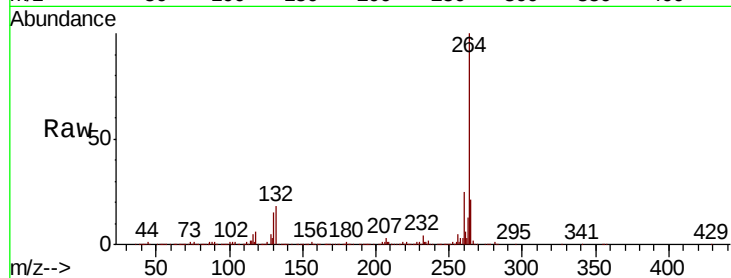
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.69 min Scan# 3677
Delta R.T. -0.03 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.4	30.6
265	20.8	17.4	26.2

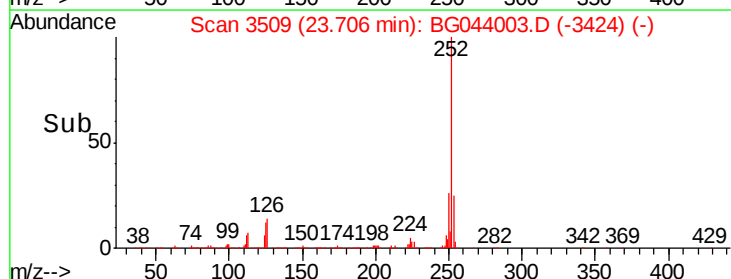
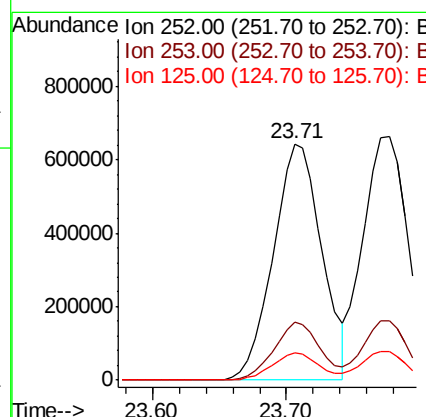
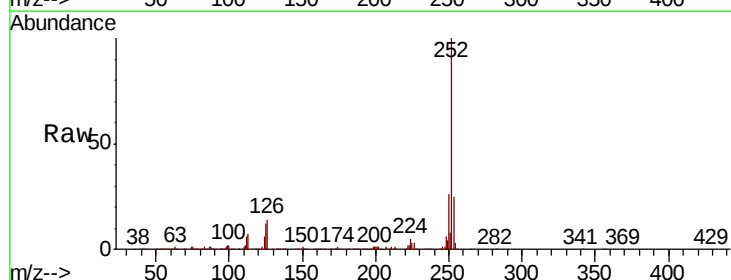
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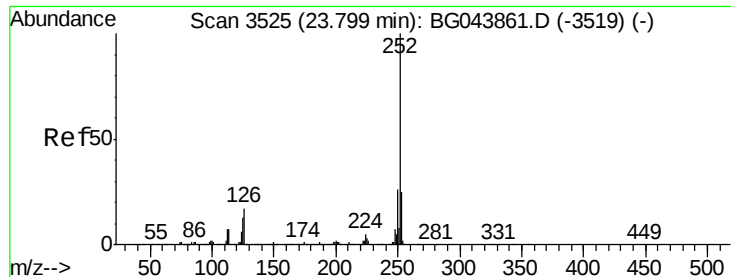
mohammad
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#88
Benzo(b)fluoranthene
Concen: 42.935 ng
RT: 23.71 min Scan# 3509
Delta R.T. -0.03 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.7	29.5
125	11.6	9.4	14.2





#89

Benzo(k)fluoranthene

Concen: 43.754 ng

RT: 23.78 min Scan# 3521

Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

Instrument :

BNA_G

ClientSampleId :

SOIL-AMSD

Tot Ion:252 Resp: 1569421

Ion Ratio Lower Upper

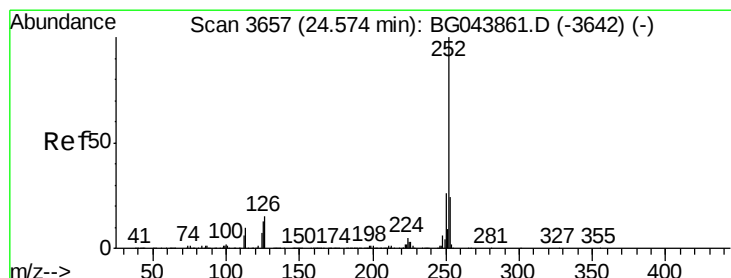
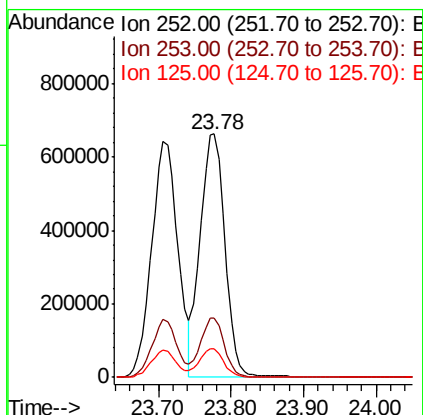
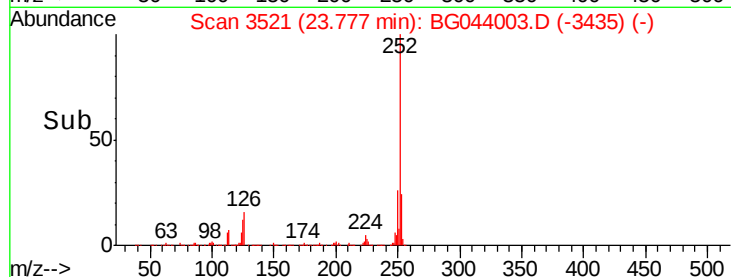
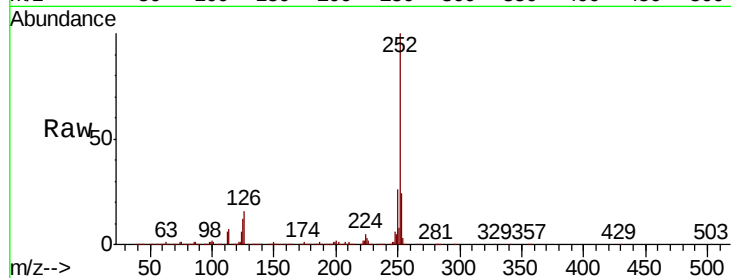
252 100

253 24.3 19.4 29.2

125 11.7 9.9 14.9

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#90

Benzo(a)pyrene

Concen: 42.076 ng

RT: 24.55 min Scan# 3653

Delta R.T. -0.02 min

Lab File: BG044003.D

Acq: 10 Jan 2020 15:35

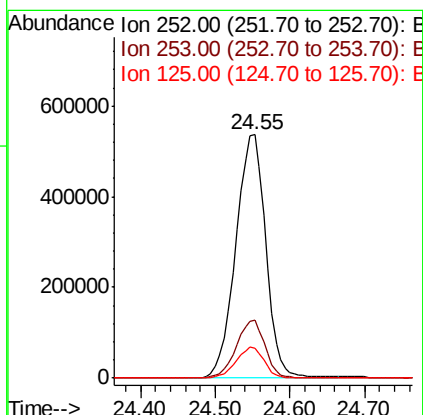
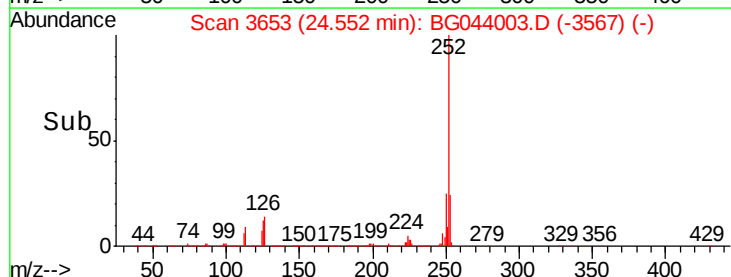
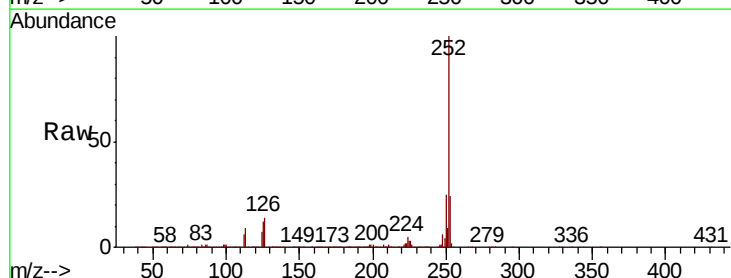
Tgt Ion:252 Resp: 1497922

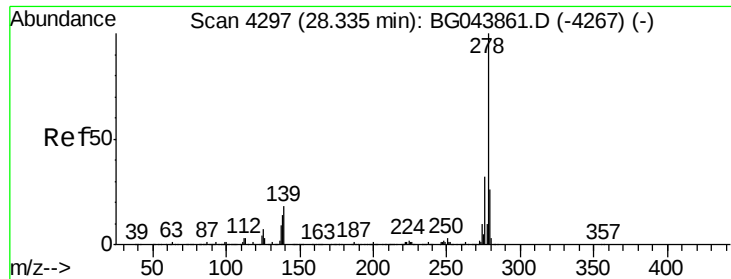
Ion Ratio Lower Upper

252 100

253 23.7 19.3 28.9

125 12.3 10.4 15.6





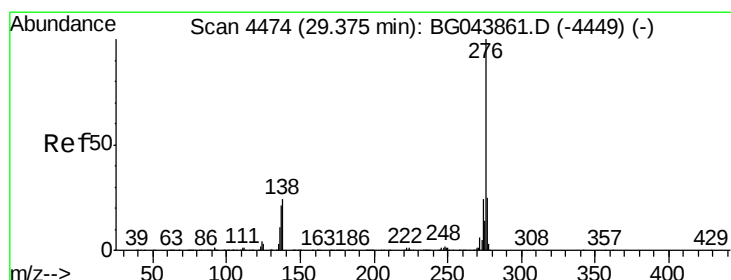
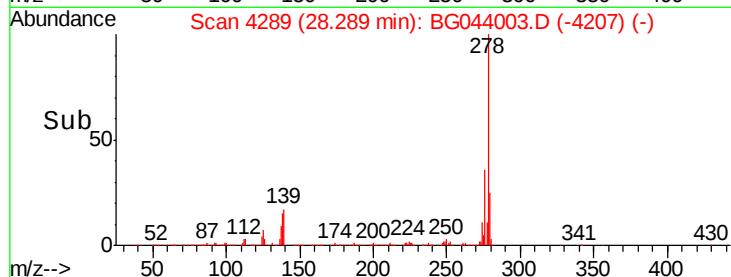
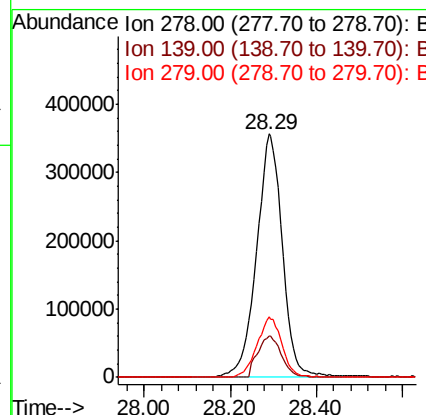
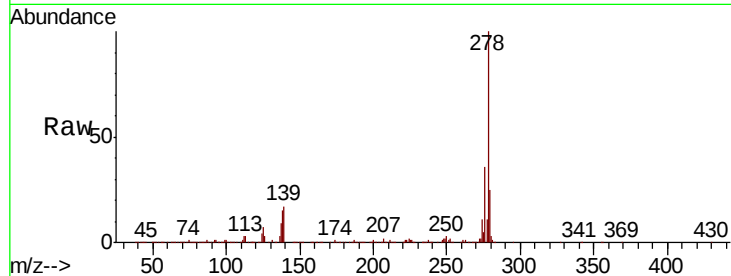
#91
Dibenzo(a,h)anthracene
Concen: 42.792 ng
RT: 28.29 min Scan# 4289
Delta R.T. -0.05 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Instrument :
BNA_G
ClientSampleId :
SOIL-AMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.2	21.4
279	25.0	20.6	30.8

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#92
Benzo(g,h,i)perylene
Concen: 43.323 ng
RT: 29.33 min Scan# 4466
Delta R.T. -0.05 min
Lab File: BG044003.D
Acq: 10 Jan 2020 15:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.4
138	22.2	19.0	28.6

