

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
 Data File : BG050286.D
 Acq On : 28 Sep 2021 14:06
 Operator : CG/JU
 Sample : M3263-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
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Quant Time: Sep 28 14:42:33 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 27 03:10:48 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.288	152	35360	20.000	ng/ul	0.00
20) Naphthalene-d8	11.114	136	142329	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.904	164	98326	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.648	188	230559	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.949	240	269021	20.000	ng/ul	# 0.00
88) Perylene-d12	25.392	264	274532	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.653	96	4654	6.365	ng/uL	0.00
4) Pyridine-d5	4.081	84	54329	24.653	ng/ul	-0.01
7) Phenol-d5	7.419	99	85498	30.453	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.601	67	54500	33.445	ng/ul	0.00
11) 2-Chlorophenol-d4	7.812	132	61524	30.150	ng/ul	0.00
15) 4-Methylphenol-d8	8.976	113	63687	28.796	ng/ul	0.00
21) Nitrobenzene-d5	9.458	128	30104	34.238	ng/ul	0.00
24) 2-Nitrophenol-d4	10.180	143	31910	32.858	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.721	165	61676	27.225	ng/ul	0.00
31) 4-Chloroaniline-d4	11.238	131	84285	28.321	ng/ul	0.00
46) Dimethylphthalate-d6	14.299	166	192927	28.870	ng/ul	0.00
49) Acenaphthylene-d8	14.599	160	227102	27.035	ng/ul	0.00
54) 4-Nitrophenol-d4	15.063	143	33990	30.146	ng/ul	0.00
60) Fluorene-d10	15.891	176	176293	28.814	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.991	200	29432	30.132	ng/ul	0.00
73) Anthracene-d10	17.748	188	280443	28.558	ng/ul	0.00
81) Pyrene-d10	20.016	212	357327	24.533	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.151	264	418840	29.924	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.694	88	1102	1.195	ng/uL#	80
5) Pyridine	4.105	79	10953	4.793	ng/ul#	52
6) Benzaldehyde	7.425	77	9251	5.191	ng/ul	82
8) Phenol	7.448	94	11540	4.058	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.695	93	9974	4.719	ng/ul#	93
12) 2-Chlorophenol	7.848	128	8533	3.968	ng/ul#	82
13) 2-Methylphenol	8.717	108	9027	4.068	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.811	45	13498	4.827	ng/ul#	91
16) Acetophenone	9.117	105	14118	4.179	ng/ul	95
17) N-Nitroso-di-n-propyla...	9.093	70	8066	4.200	ng/ul	97
18) 4-Methylphenol	9.040	108	9399	4.159	ng/ul	81
19) Hexachloroethane	9.381	117	3864	4.187	ng/ul	86
22) Nitrobenzene	9.499	77	12736	5.049	ng/ul#	94
23) Isophorone	10.027	82	20258	3.807	ng/ul	97
25) 2-Nitrophenol	10.210	139	4606	4.541	ng/ul#	75
26) 2,4-Dimethylphenol	10.257	107	10034	3.700	ng/ul#	84
27) Bis(2-Chloroethoxy)met...	10.503	93	12084	4.160	ng/ul	98
29) 2,4-Dichlorophenol	10.744	162	8242	3.776	ng/ul#	91
30) Naphthalene	11.167	128	29840	4.087	ng/ul	96
32) 4-Chloroaniline	11.267	127	11929	4.014	ng/ul	90
33) Hexachlorobutadiene	11.443	225	6884	3.802	ng/ul	93
34) Caprolactam	12.054	113	3399m	4.938	ng/ul	
35) 4-Chloro-3-methylphenol	12.354	107	8789	3.713	ng/ul	86
36) 2-Methylnaphthalene	12.748	142	20757	4.106	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.965	142	21088	4.131	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.106	216	12806	4.137	ng/ul	90
40) Hexachlorocyclopentadiene	13.089	237	8696	4.072	ng/ul	94
41) 2,4,6-Trichlorophenol	13.341	196	7512	4.115	ng/ul	94
42) 2,4,5-Trichlorophenol	13.406	196	8036	4.092	ng/ul	95
43) 1,1'-Biphenyl	13.741	154	27873	4.179	ng/ul#	97
44) 2-Chloronaphthalene	13.788	162	21648	4.102	ng/ul	95
45) 2-Nitroaniline	13.982	65	5252	4.180	ng/ul	95
47) Dimethylphthalate	14.346	163	27225	4.044	ng/ul	99
48) 2,6-Dinitrotoluene	14.463	165	4830	4.533	ng/ul#	80
50) Acenaphthylene	14.628	152	32665	3.849	ng/ul	99
51) 3-Nitroaniline	14.792	138	4732	3.972	ng/ul#	86
52) Acenaphthene	14.969	153	22846	4.112	ng/ul	98
53) 2,4-Dinitrophenol	14.998	184	3708	5.496	ng/ul#	69
55) 4-Nitrophenol	15.074	109	4483	3.869	ng/ul#	60
56) Dibenzofuran	15.298	168	33255	4.000	ng/ul	97
57) 2,4-Dinitrotoluene	15.245	165	6404	4.241	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.515	232	6502	3.680	ng/ul#	90
59) Diethylphthalate	15.697	149	27103	3.916	ng/ul	94
61) Fluorene	15.944	166	25864	3.970	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.932	204	14894	4.062	ng/ul	93
63) 4-Nitroaniline	15.950	138	5228	4.263	ng/ul#	67
66) 4,6-Dinitro-2-methylph...	16.009	198	4010	4.086	ng/ul#	99
67) N-Nitrosodiphenylamine	16.144	169	22203	3.808	ng/ul	97
68) 4-Bromophenyl-phenylether	16.825	248	8913	3.728	ng/ul	98
69) Hexachlorobenzene	16.943	284	10336	3.902	ng/ul#	91
70) Atrazine	17.084	200	11023	4.285	ng/ul	96
71) Pentachlorophenol	17.284	266	8284	4.901	ng/ul	92
72) Phenanthrene	17.689	178	46375	4.053	ng/ul	99
74) Anthracene	17.783	178	44667	3.919	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.705	216	11948	3.645	ng/ul	90
76) Pentachlorobenzene	15.215	250	11583	3.665	ng/ul	93
77) Carbazole	18.042	167	39780	3.945	ng/ul	99
78) Di-n-butylphthalate	18.588	149	47176	4.058	ng/ul#	95
80) Fluoranthene	19.681	202	61179	3.313	ng/ul#	91
82) Pyrene	20.045	202	62251	3.428	ng/ul#	91
83) Butylbenzylphthalate	20.921	149	21194	3.465	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.837	252	23558	4.089	ng/ul#	96
85) Benzo(a)anthracene	21.931	228	62288	3.845	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.820	149	32553	3.728	ng/ul	99
87) Chrysene	22.002	228	61840	3.937	ng/ul	95
89) Di-n-octyl phthalate	23.118	149	53868	4.003	ng/ul	100
90) Benzo(b)fluoranthene	24.293	252	64073	3.987	ng/ul#	94
91) Benzo(k)fluoranthene	24.364	252	62964m	4.173	ng/ul	
93) Benzo(a)pyrene	25.227	252	56775	3.720	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	29.340	276	71629m	4.016	ng/ul	
95) Dibenzo(a,h)anthracene	29.405	278	59952m	3.900	ng/ul	
96) Benzo(g,h,i)perylene	30.568	276	58163	3.811	ng/ul	95

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

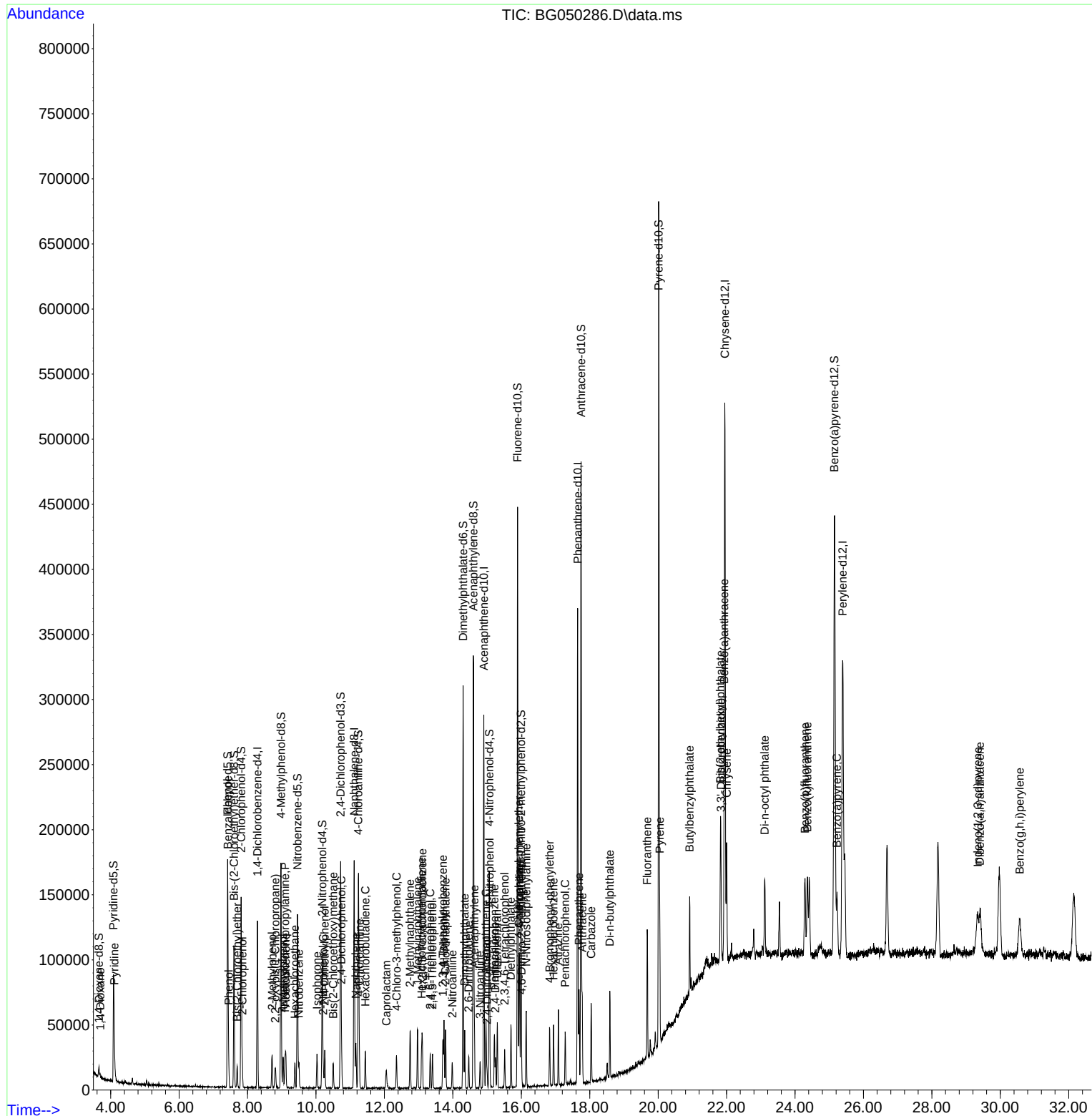
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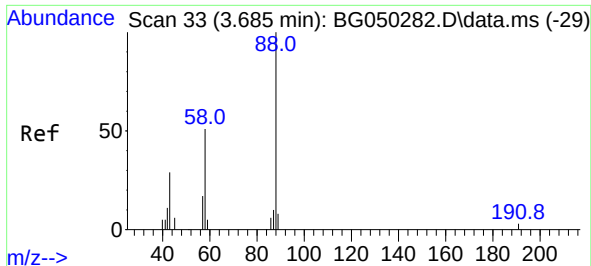
Instrument :
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 MDL-SOIL-QT4-2021-07

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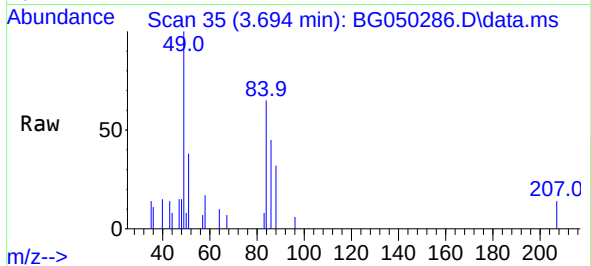
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#2
1,4-Dioxane
Concen: 1.195 ng/uL
RT: 3.694 min Scan# 35
Delta R.T. -0.008 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

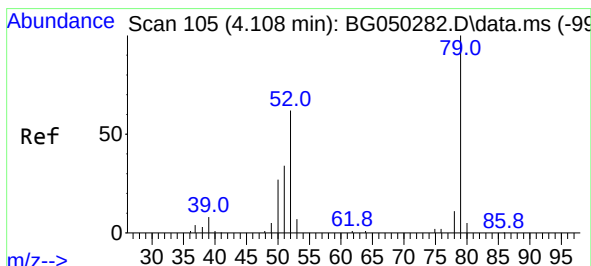
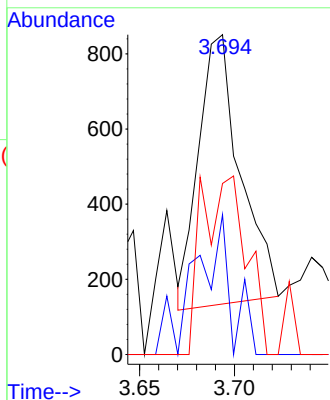
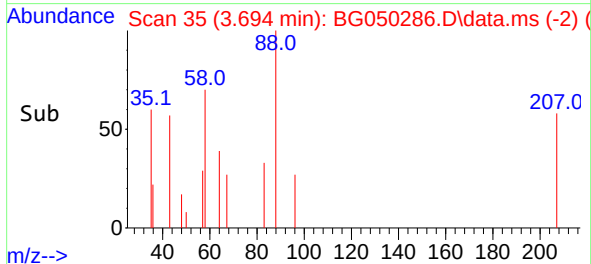
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07



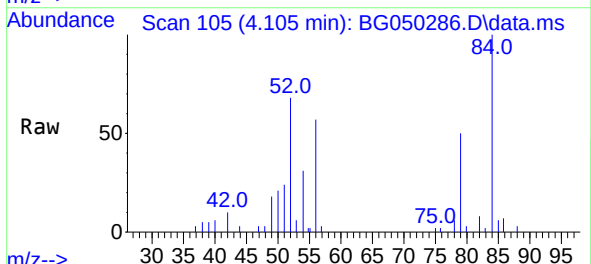
Tgt Ion: 88 Resp: 1102
Ion Ratio Lower Upper
88 100
43 43.7 21.6 32.4#
58 53.5 52.0 78.0

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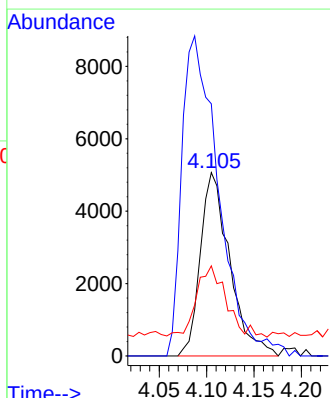
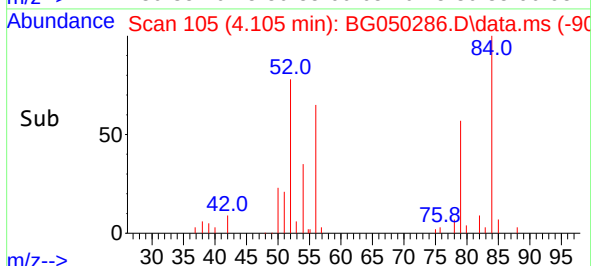
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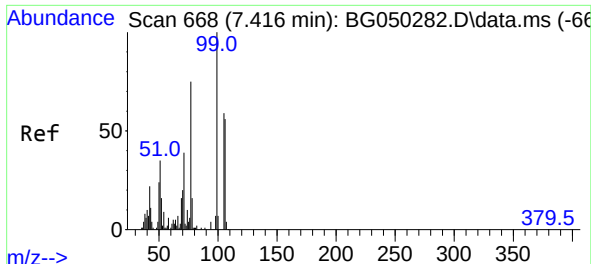


#5
Pyridine
Concen: 4.793 ng/uL
RT: 4.105 min Scan# 105
Delta R.T. -0.014 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



Tgt Ion: 79 Resp: 10953
Ion Ratio Lower Upper
79 100
52 137.5 61.1 91.7#
51 49.2 34.8 52.2





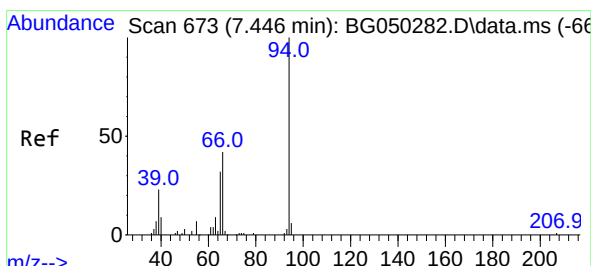
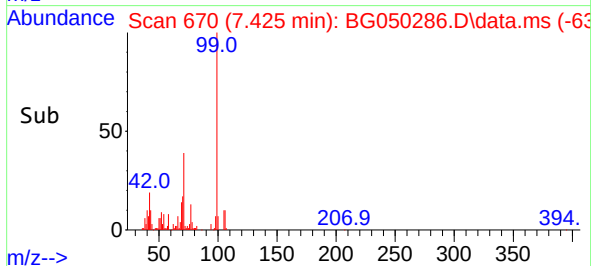
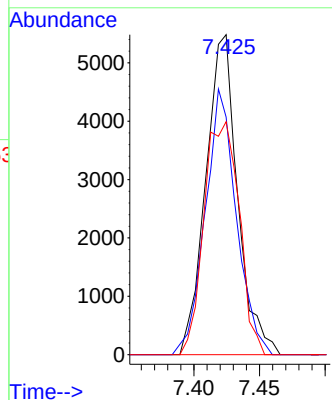
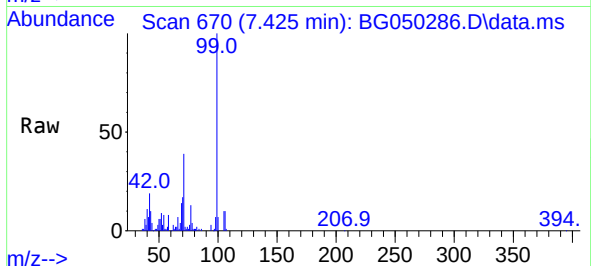
#6
Benzaldehyde
Concen: 5.191 ng/ul
RT: 7.425 min Scan# 670
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:	77	Resp:	9251
Ion	Ratio	Lower	Upper
77	100		
105	74.3	72.3	108.5
106	72.8	72.3	108.5

Instrument :
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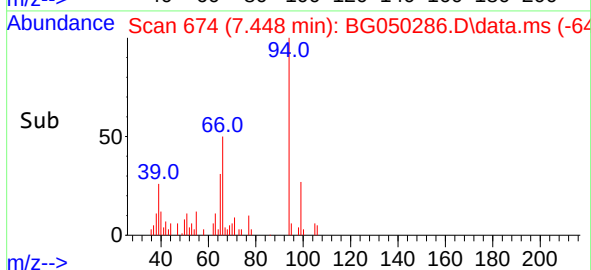
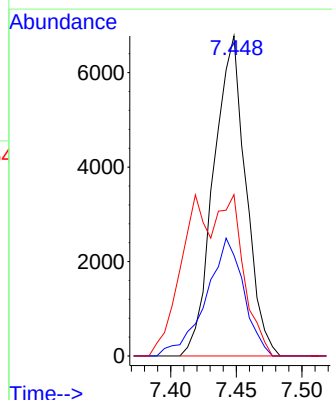
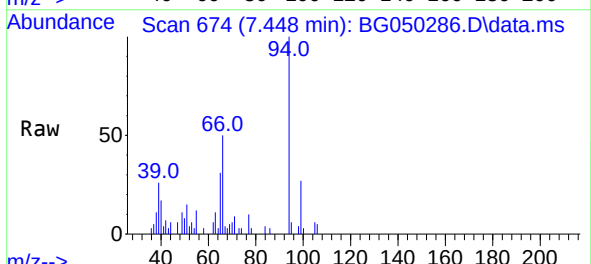
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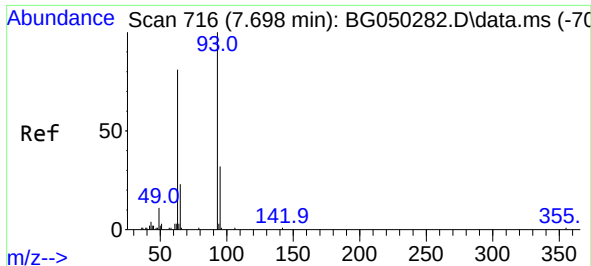
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#8
Phenol
Concen: 4.058 ng/ul
RT: 7.448 min Scan# 674
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

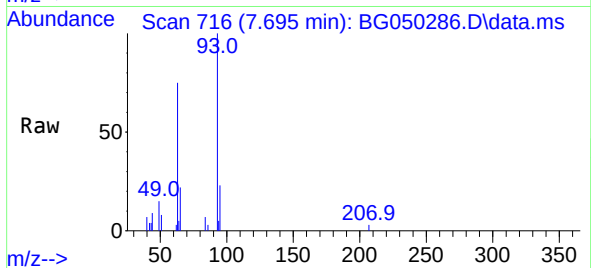
Tgt Ion:	94	Resp:	11540
Ion	Ratio	Lower	Upper
94	100		
65	31.4	27.7	41.5
66	50.4	39.0	58.4





#10
Bis(2-Chloroethyl)ether
Concen: 4.719 ng/ul
RT: 7.695 min Scan# 716
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

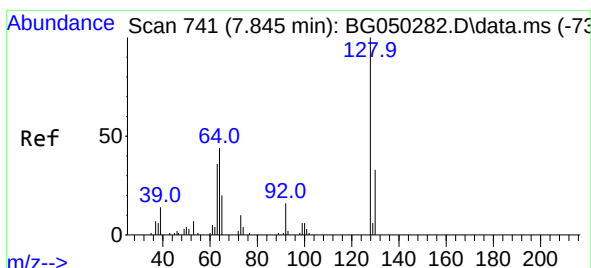
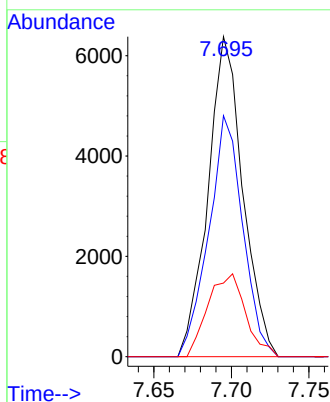
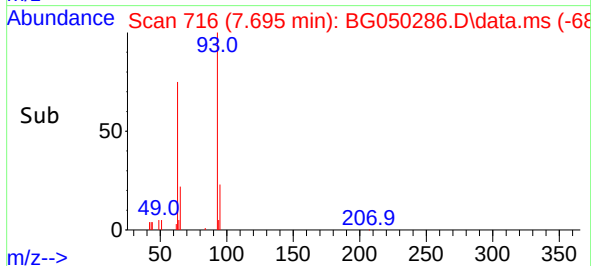
Instrument :
BNA_G
ClientSampleId :
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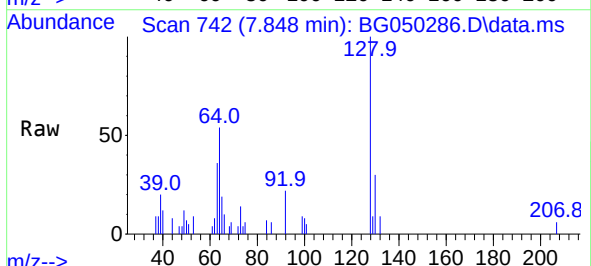
Tgt Ion: 93 Resp: 9974
Ion Ratio Lower Upper
93 100
63 75.3 59.9 89.9
95 23.0 27.6 41.4#

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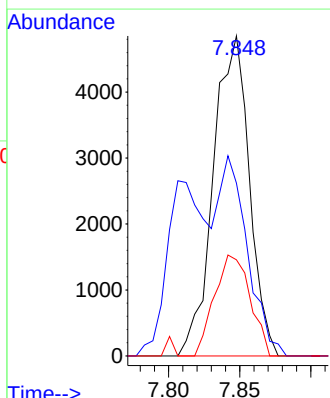
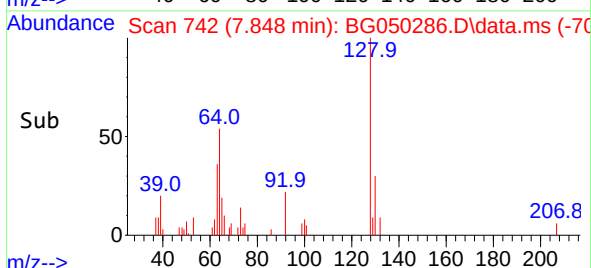
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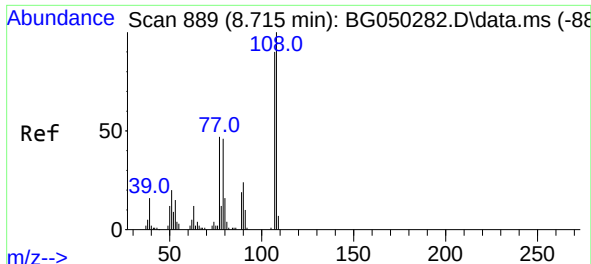


#12
2-Chlorophenol
Concen: 3.968 ng/ul
RT: 7.848 min Scan# 742
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



Tgt Ion: 128 Resp: 8533
Ion Ratio Lower Upper
128 100
64 54.0 28.0 42.0#
130 30.1 24.4 36.6





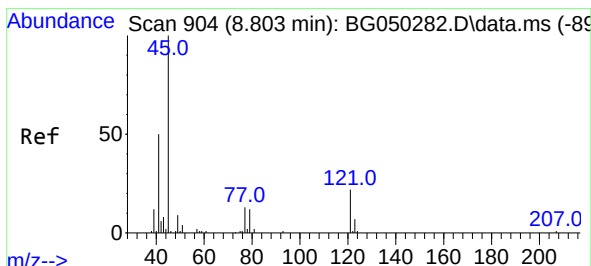
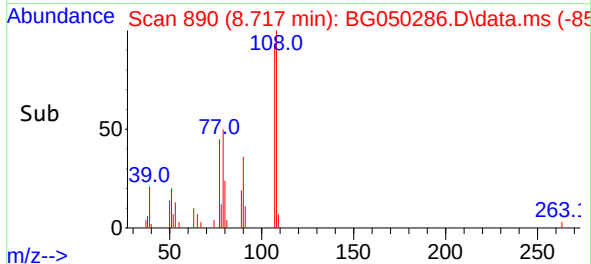
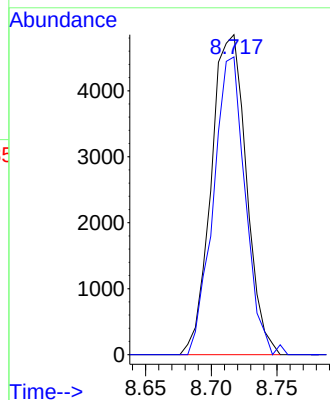
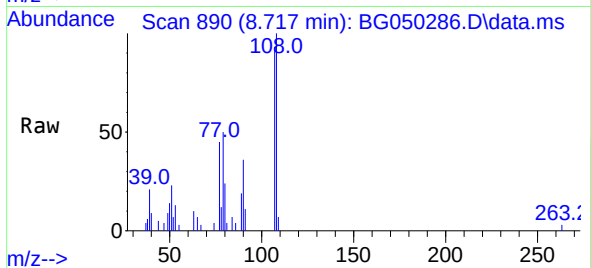
#13
2-Methylphenol
Concen: 4.068 ng/ul
RT: 8.717 min Scan# 890
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion: 108 Resp: 9027
Ion Ratio Lower Upper
108 100
107 93.0 71.0 106.4

Instrument :
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MDL-SOIL-QT4-2021-07

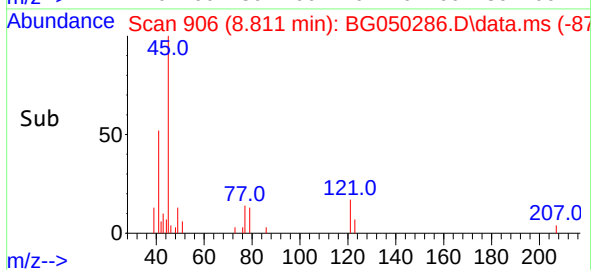
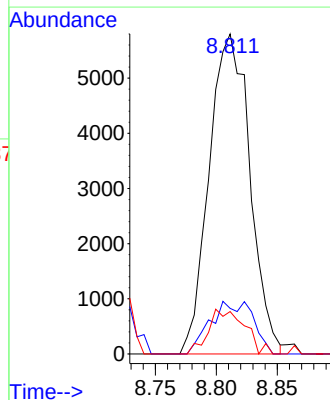
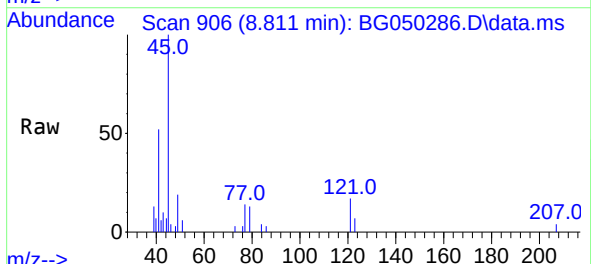
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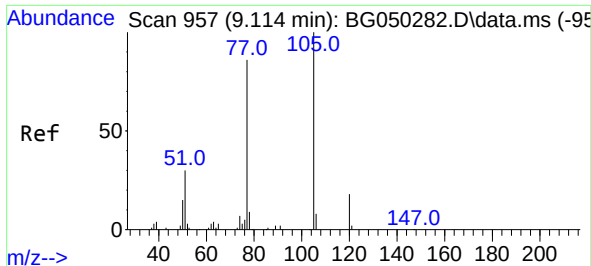
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#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.827 ng/ul
RT: 8.811 min Scan# 906
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

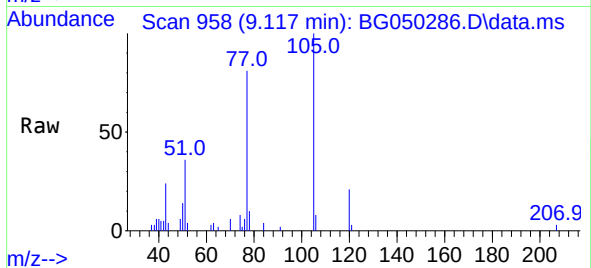
Tgt Ion: 45 Resp: 13498
Ion Ratio Lower Upper
45 100
77 14.3 16.9 25.3#
79 13.3 11.0 16.4





#16
Acetophenone
Concen: 4.179 ng/ul
RT: 9.117 min Scan# 958
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

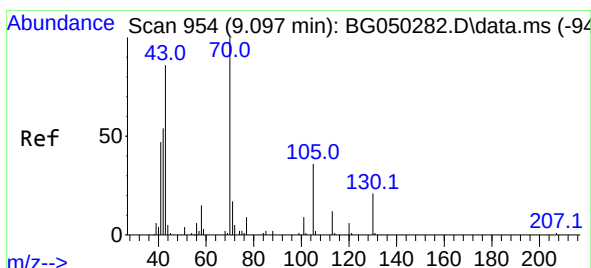
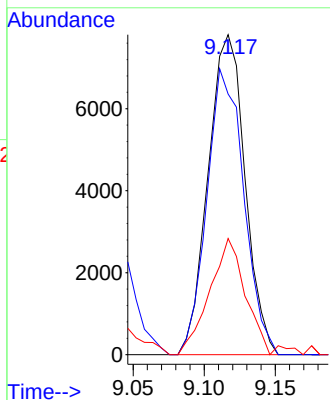
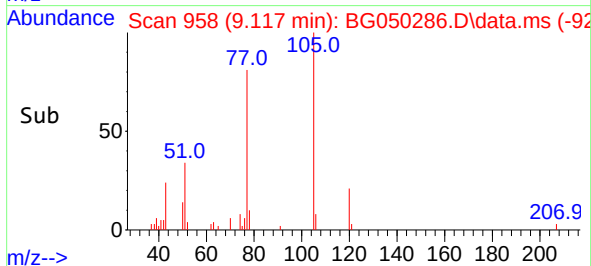
Instrument :
BNA_G
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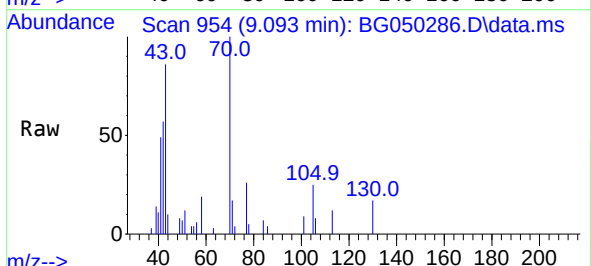
Tgt Ion:105 Resp: 14118
Ion Ratio Lower Upper
105 100
77 81.4 67.7 101.5
51 36.3 25.3 37.9

Manual Integrations
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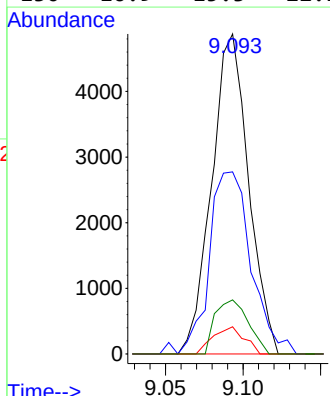
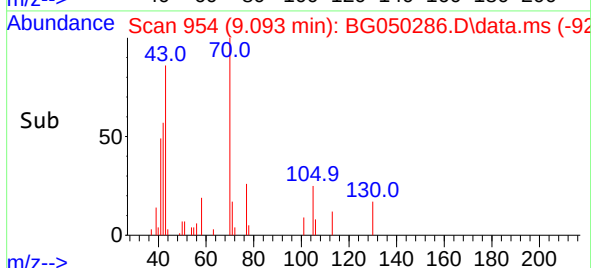
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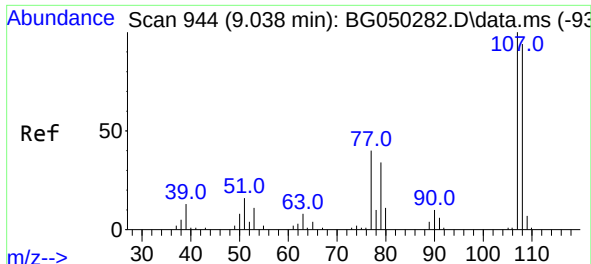


#17
N-Nitroso-di-n-propylamine
Concen: 4.200 ng/ul
RT: 9.093 min Scan# 954
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



Tgt Ion: 70 Resp: 8066
Ion Ratio Lower Upper
70 100
42 56.9 44.2 66.4
101 8.5 7.8 11.8
130 16.9 15.3 22.9





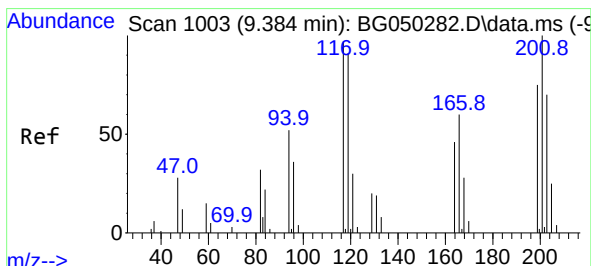
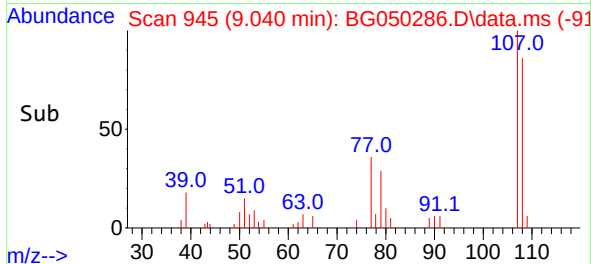
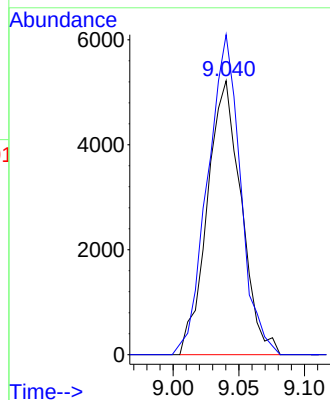
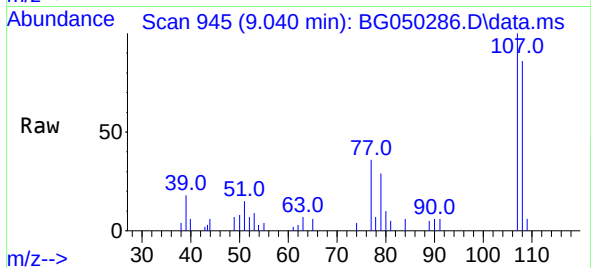
#18
4-Methylphenol
Concen: 4.159 ng/ul
RT: 9.040 min Scan# 945
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:108 Resp: 9399
Ion Ratio Lower Upper
108 100
107 116.8 78.3 117.5

Instrument :
BNA_G
ClientSampleId :
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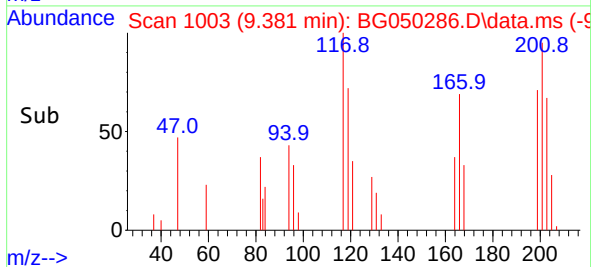
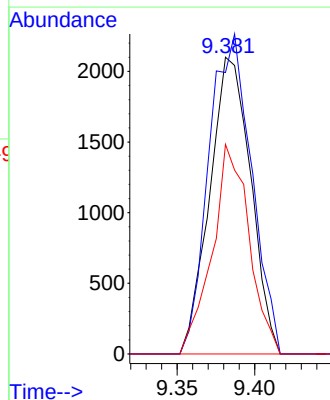
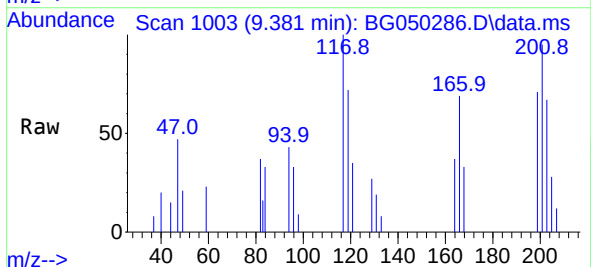
Manual Integrations
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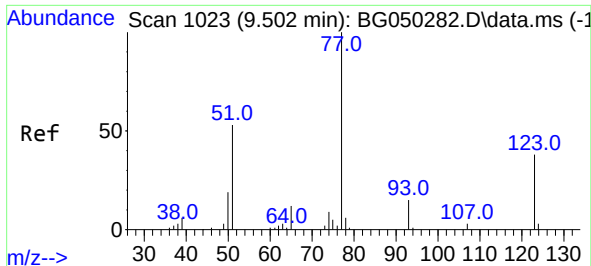
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#19
Hexachloroethane
Concen: 4.187 ng/ul
RT: 9.381 min Scan# 1003
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:117 Resp: 3864
Ion Ratio Lower Upper
117 100
201 94.8 89.3 133.9
199 70.6 50.5 75.7





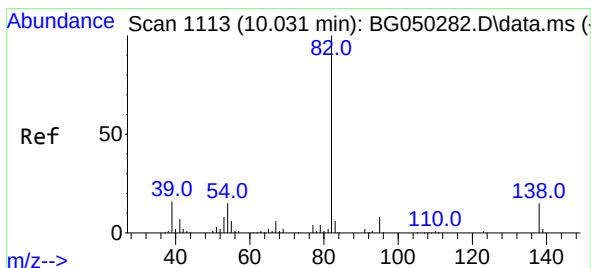
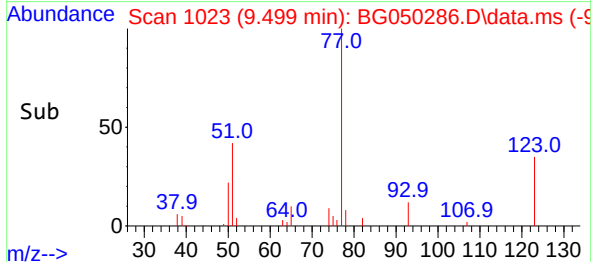
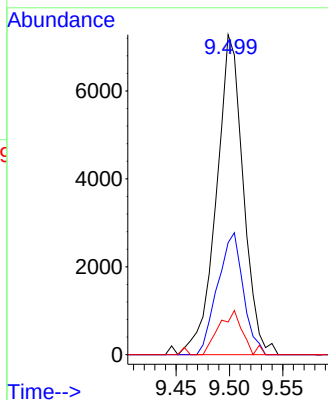
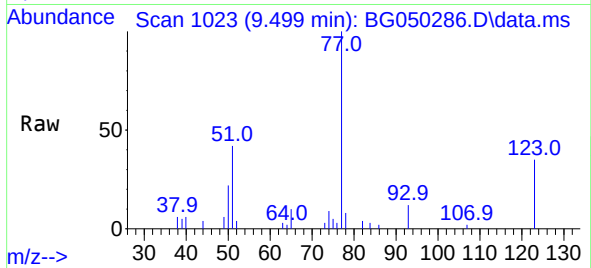
#22
Nitrobenzene
Concen: 5.049 ng/ul
RT: 9.499 min Scan# 1023
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion: 77 Resp: 12736
Ion Ratio Lower Upper
77 100
123 35.0 30.4 45.6
65 10.2 11.3 16.9#

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07

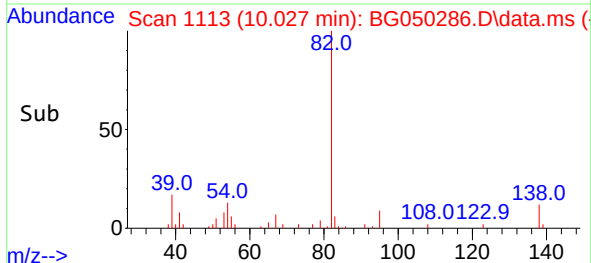
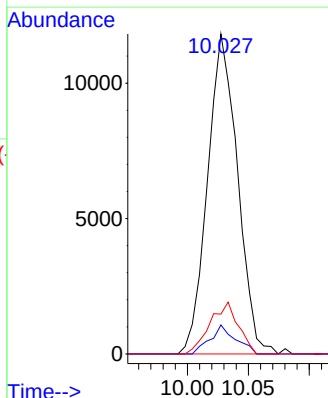
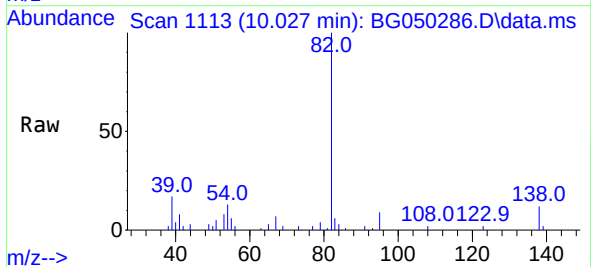
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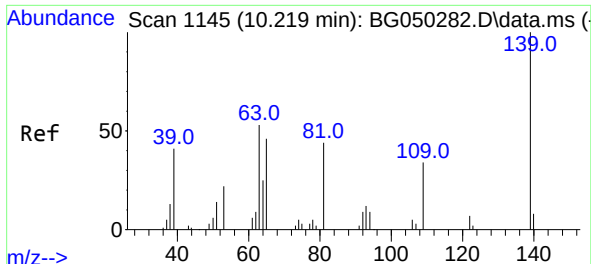
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#23
Isophorone
Concen: 3.807 ng/ul
RT: 10.027 min Scan# 1113
Delta R.T. -0.014 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion: 82 Resp: 20258
Ion Ratio Lower Upper
82 100
95 9.1 7.8 11.8
138 12.5 11.4 17.0





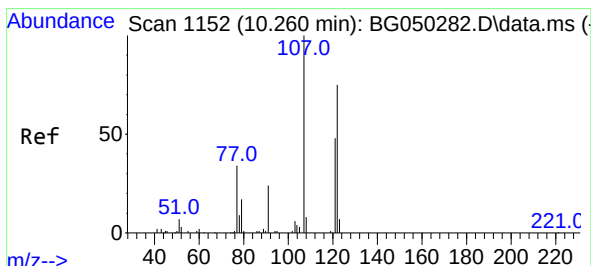
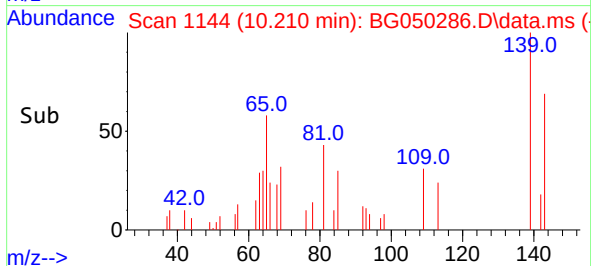
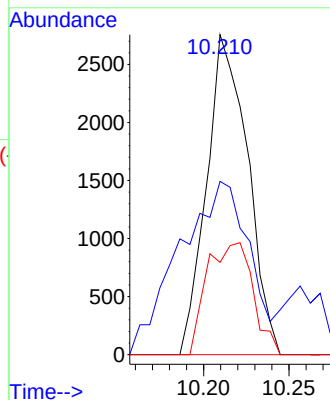
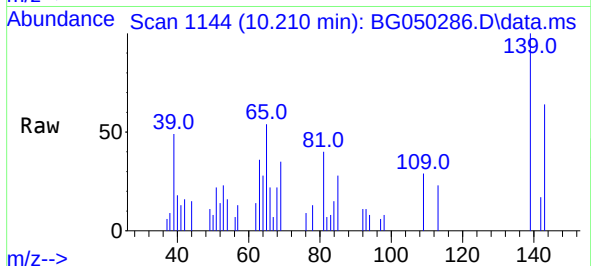
#25
2-Nitrophenol
Concen: 4.541 ng/ul
RT: 10.210 min Scan# 1144
Delta R.T. -0.014 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:	139	Resp:	4606
Ion Ratio	Lower	Upper	
139	100		
65	54.1	53.1	79.7
109	28.8	44.1	66.1#

Instrument :
BNA_G
ClientSampleId :
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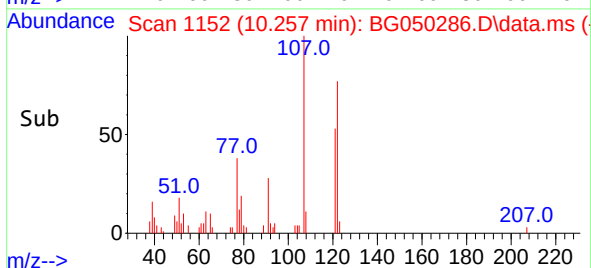
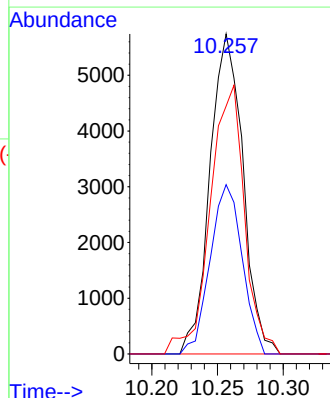
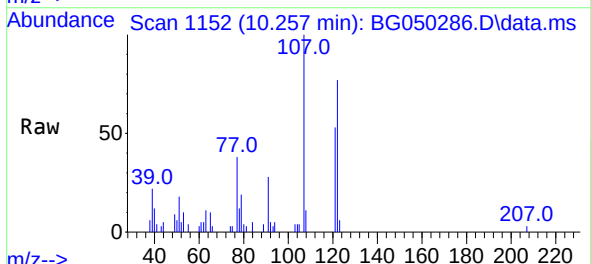
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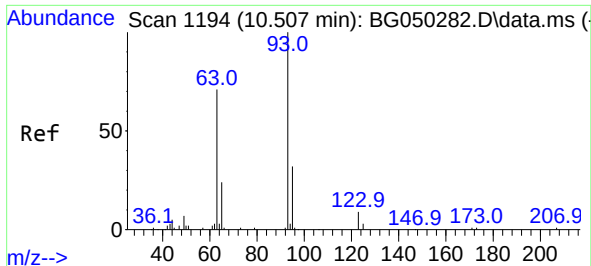
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#26
2,4-Dimethylphenol
Concen: 3.700 ng/ul
RT: 10.257 min Scan# 1152
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

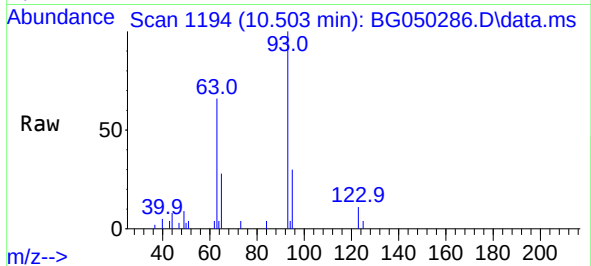
Tgt Ion:	107	Resp:	10034
Ion Ratio	Lower	Upper	
107	100		
121	52.9	32.7	49.1#
122	77.4	52.6	79.0





#27
Bis(2-Chloroethoxy)methane
Concen: 4.160 ng/ul
RT: 10.503 min Scan# 1194
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

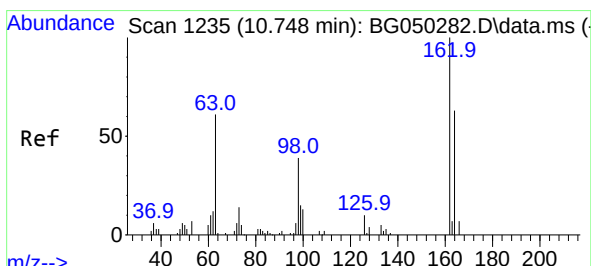
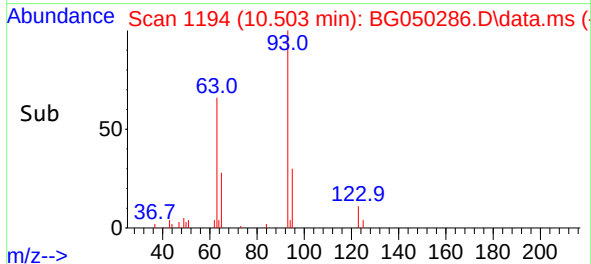
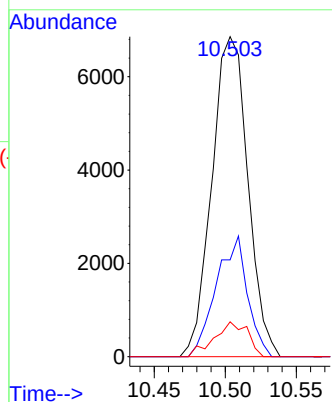
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 93 Resp: 12084
Ion Ratio Lower Upper
93 100
95 30.2 24.8 37.2
123 10.9 8.2 12.2

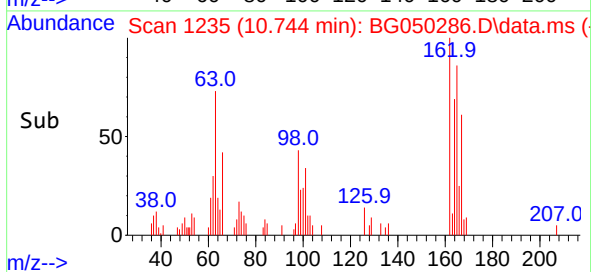
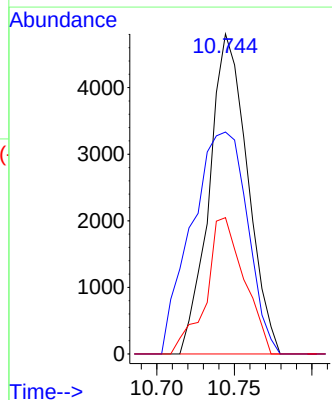
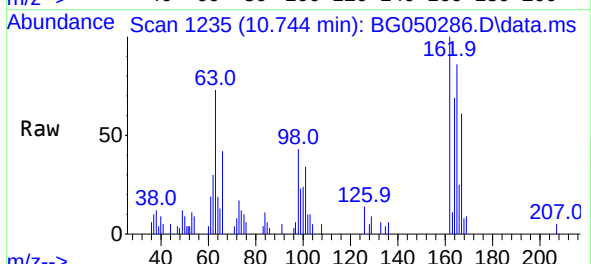
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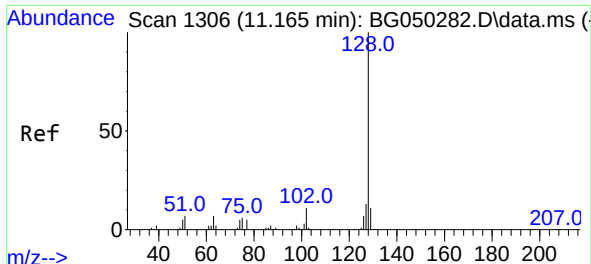
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#29
2,4-Dichlorophenol
Concen: 3.776 ng/ul
RT: 10.744 min Scan# 1235
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

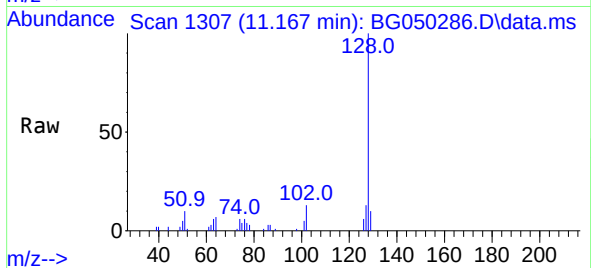
Tgt Ion: 162 Resp: 8242
Ion Ratio Lower Upper
162 100
164 69.3 51.0 76.6
98 42.6 27.8 41.8#





#30
Naphthalene
Concen: 4.087 ng/ul
RT: 11.167 min Scan# 1307
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

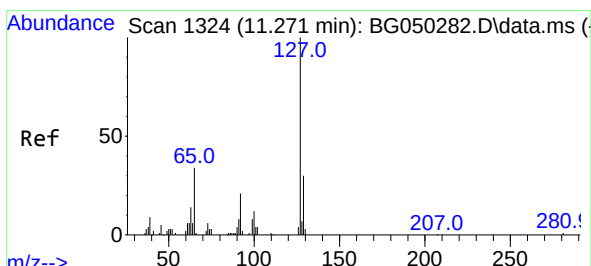
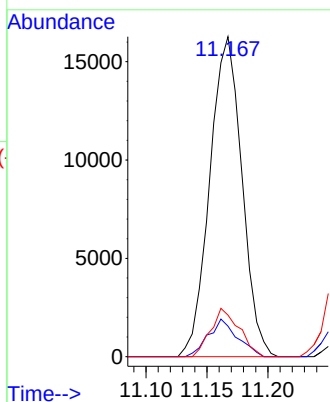
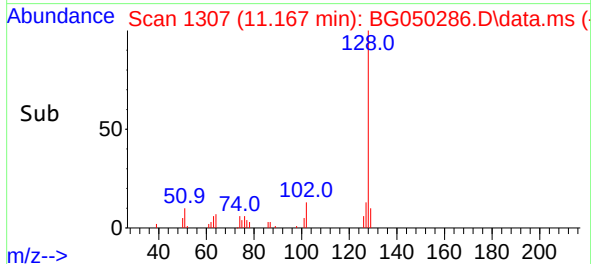
Instrument :
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ClientSampleId :
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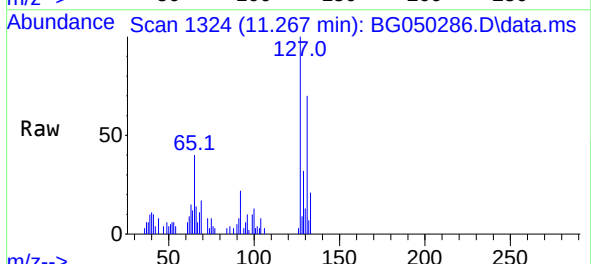
Tgt Ion:128 Resp: 29840
Ion Ratio Lower Upper
128 100
129 9.5 9.3 13.9
127 13.0 9.8 14.6

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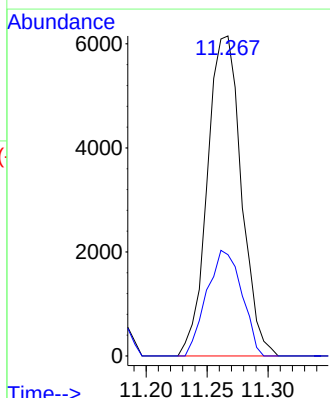
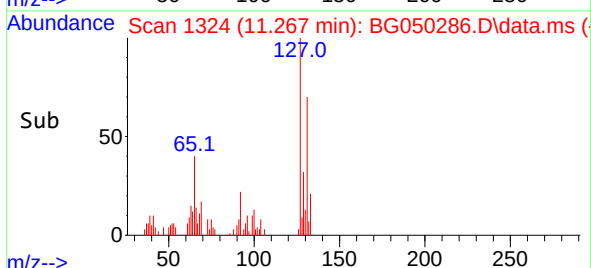
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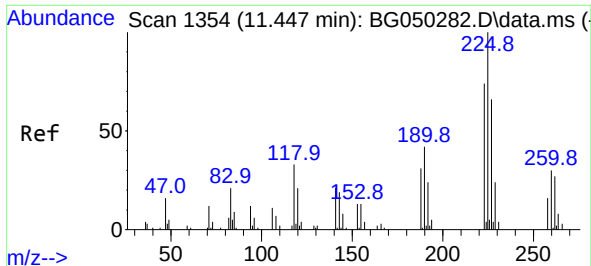


#32
4-Chloroaniline
Concen: 4.014 ng/ul
RT: 11.267 min Scan# 1324
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

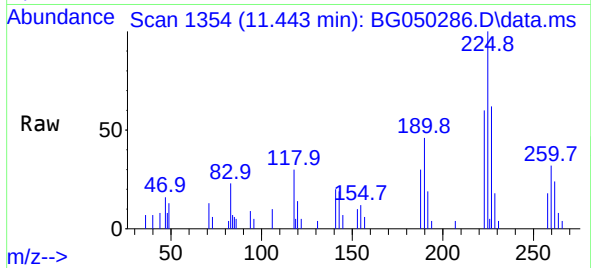


Tgt Ion:127 Resp: 11929
Ion Ratio Lower Upper
127 100
129 31.7 30.3 45.5

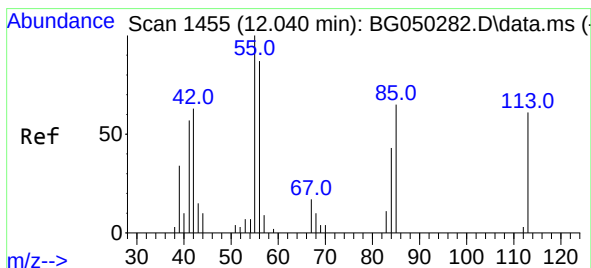
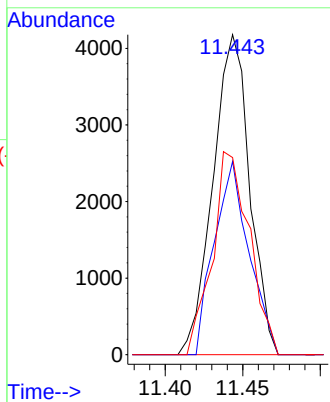
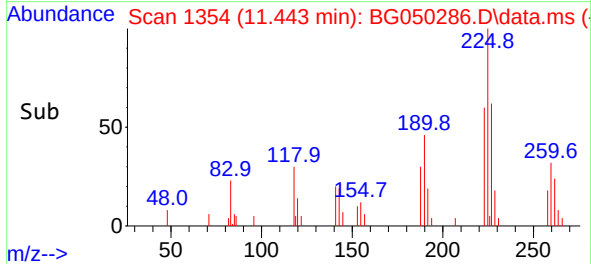




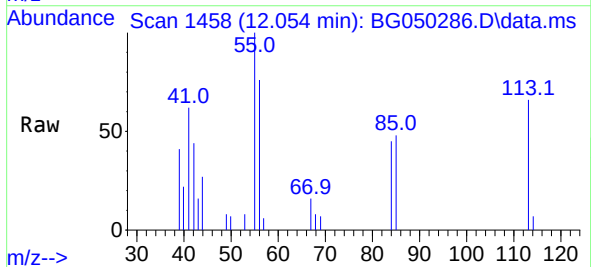
#33
Hexachlorobutadiene
Concen: 3.802 ng/ul
RT: 11.443 min Scan# 1354
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



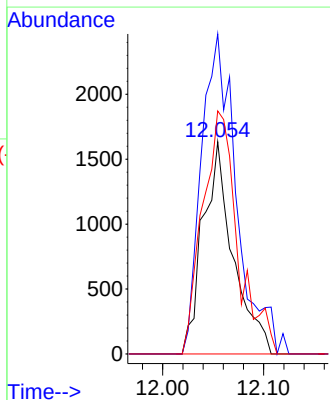
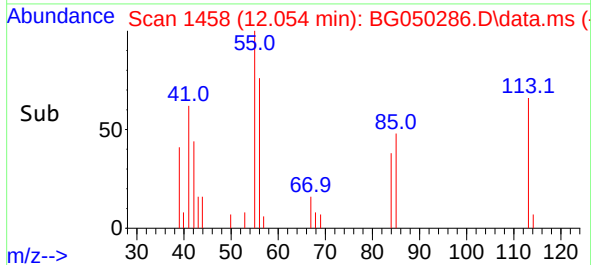
Tgt Ion:225 Resp: 6884
Ion Ratio Lower Upper
225 100
223 60.4 51.3 76.9
227 61.6 55.1 82.7



#34
Caprolactam
Concen: 4.938 ng/ul m
RT: 12.054 min Scan# 1458
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



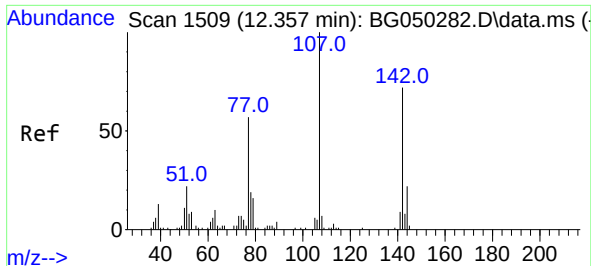
Tgt Ion:113 Resp: 3399
Ion Ratio Lower Upper
113 100
55 150.9 114.0 171.0
56 114.6 107.4 161.0



Instrument :
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ClientSampleId :
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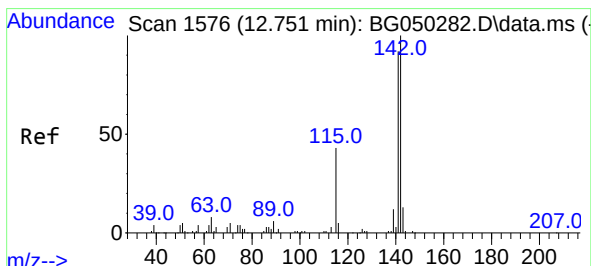
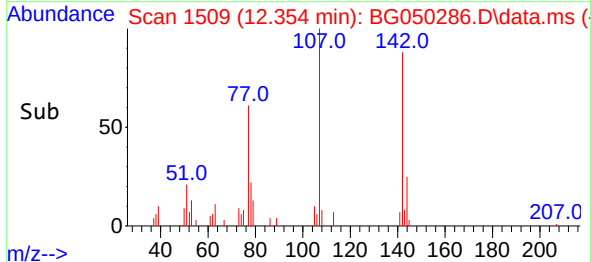
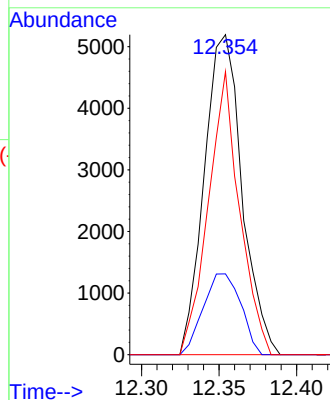
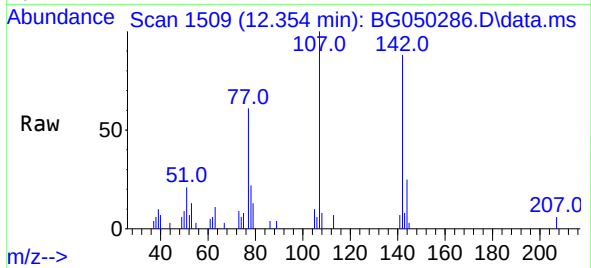
#35
4-Chloro-3-methylphenol
Concen: 3.713 ng/ul
RT: 12.354 min Scan# 1509
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:	107	Resp:	8789
Ion	Ratio	Lower	Upper
107	100		
144	25.3	18.9	28.3
142	88.4	59.2	88.8

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07

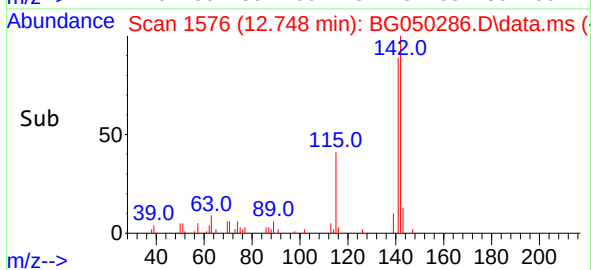
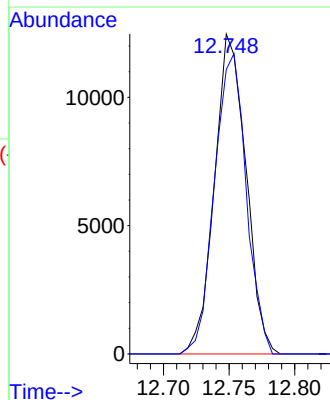
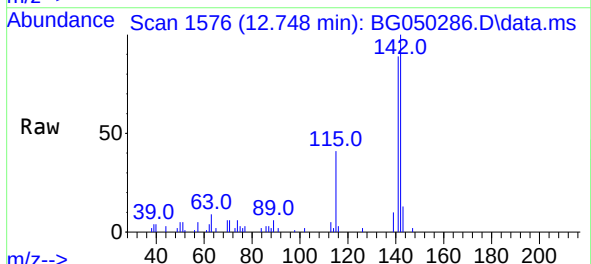
Manual Integrations
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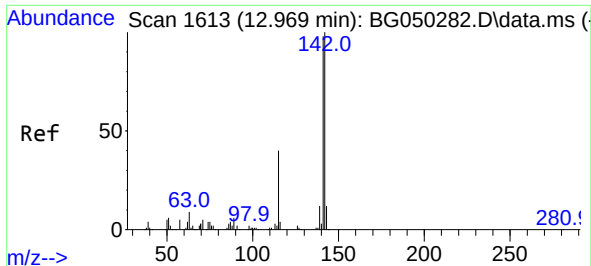
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#36
2-Methylnaphthalene
Concen: 4.106 ng/ul
RT: 12.748 min Scan# 1576
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

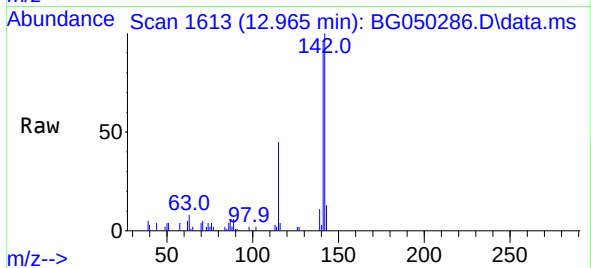
Tgt Ion:	142	Resp:	20757
Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.5	105.7





#37
1-Methylnaphthalene
Concen: 4.131 ng/ul
RT: 12.965 min Scan# 1613
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

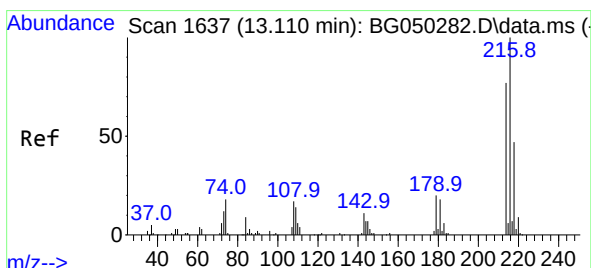
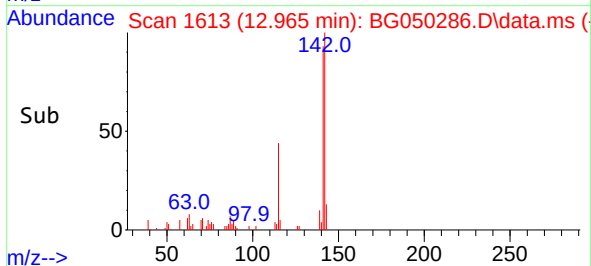
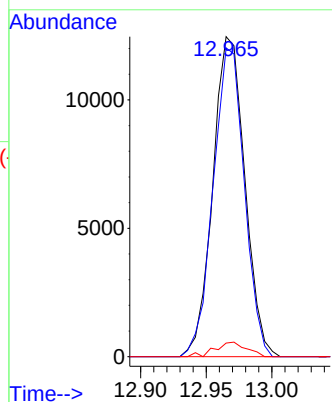
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07



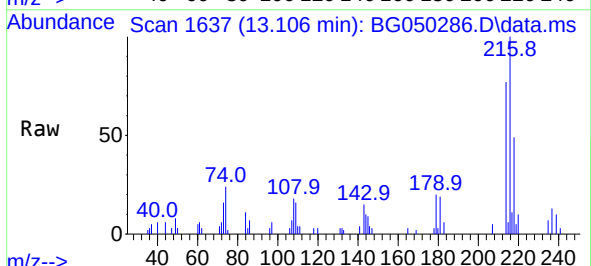
Tgt Ion:142 Resp: 21088
Ion Ratio Lower Upper
142 100
141 96.5 75.8 113.8
116 4.2 3.7 5.5

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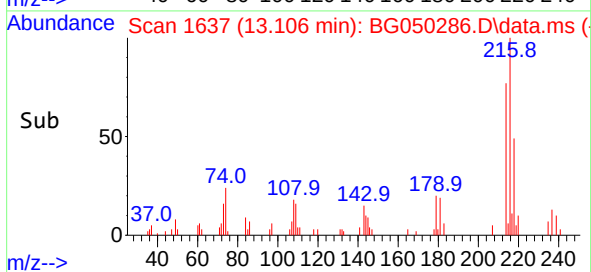
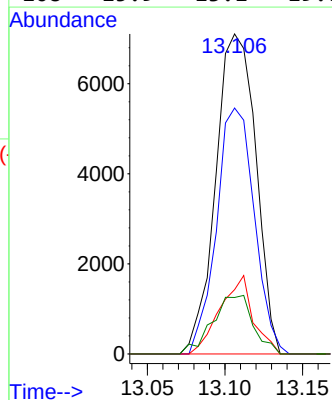
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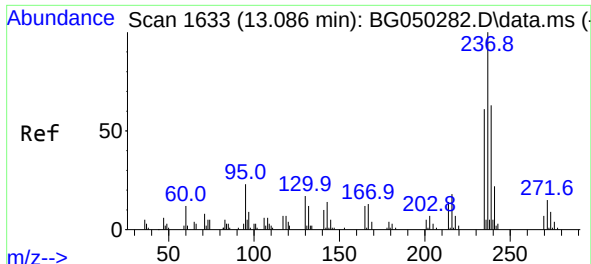


#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.137 ng/ul
RT: 13.106 min Scan# 1637
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



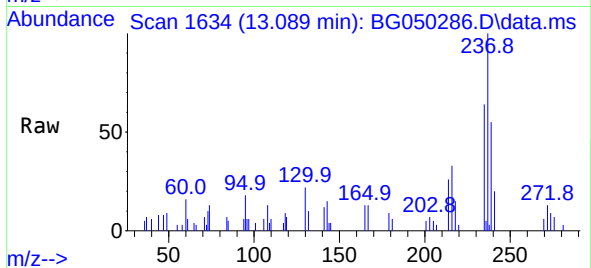
Tgt Ion:216 Resp: 12806
Ion Ratio Lower Upper
216 100
214 69.3 64.2 96.2
179 18.1 12.8 19.2
108 15.9 13.1 19.7





#40
Hexachlorocyclopentadiene
Concen: 4.072 ng/ul
RT: 13.089 min Scan# 1634
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

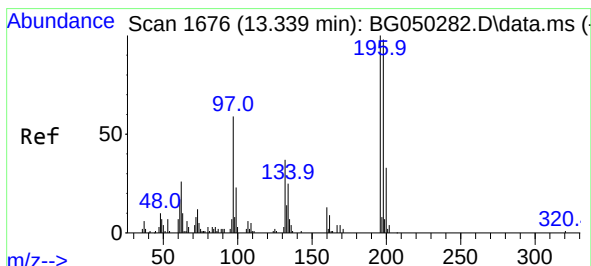
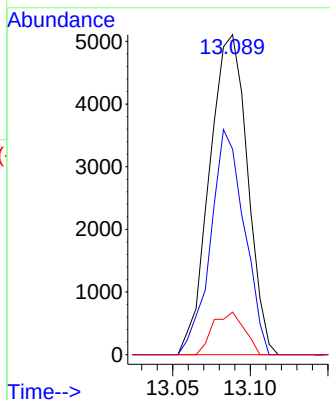
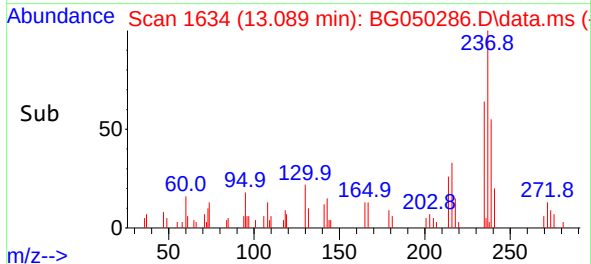
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07



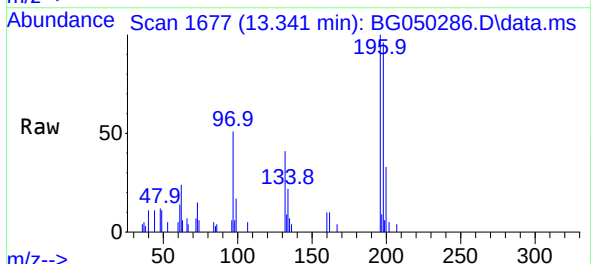
Tgt Ion:237 Resp: 8696
Ion Ratio Lower Upper
237 100
235 62.1 53.5 80.3
272 12.9 11.5 17.3

Manual Integrations
APPROVED

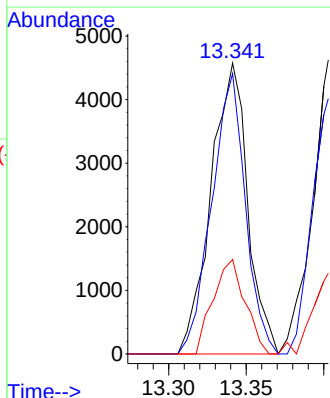
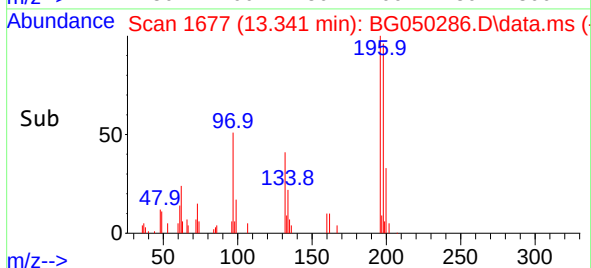
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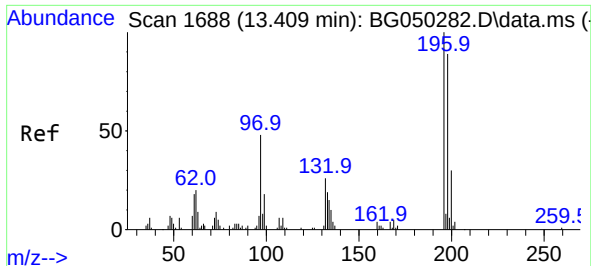


#41
2,4,6-Trichlorophenol
Concen: 4.115 ng/ul
RT: 13.341 min Scan# 1677
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



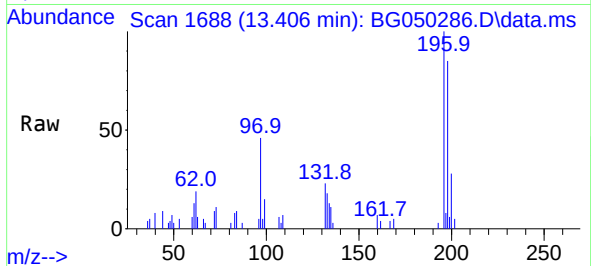
Tgt Ion:196 Resp: 7512
Ion Ratio Lower Upper
196 100
198 96.3 83.7 125.5
200 32.5 25.9 38.9





#42
2,4,5-Trichlorophenol
Concen: 4.092 ng/ul
RT: 13.406 min Scan# 1688
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

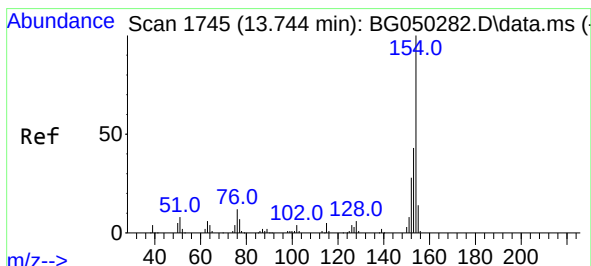
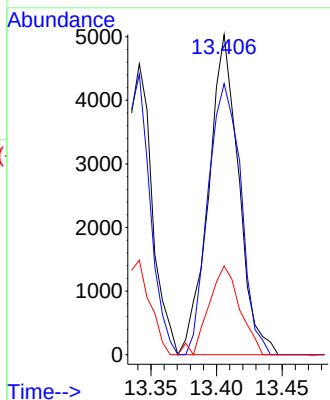
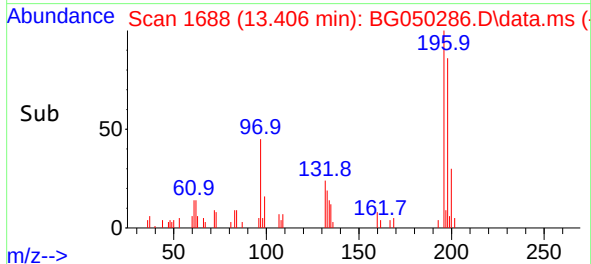
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07



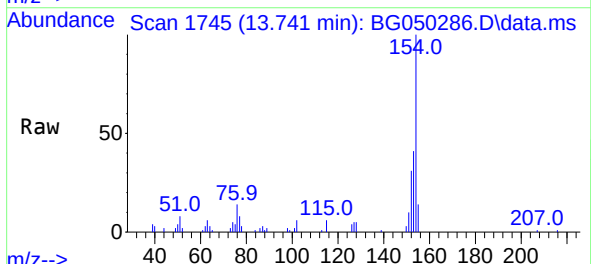
Tgt Ion:	196	Resp:	8036
Ion Ratio	Lower	Upper	
196	100		
198	84.7	70.3	105.5
200	27.7	26.6	40.0

Manual Integrations
APPROVED

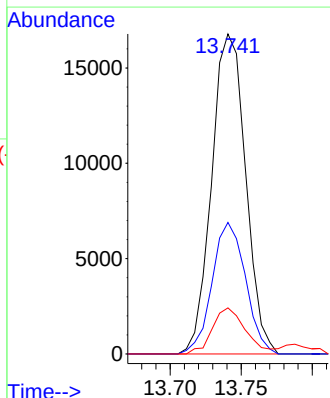
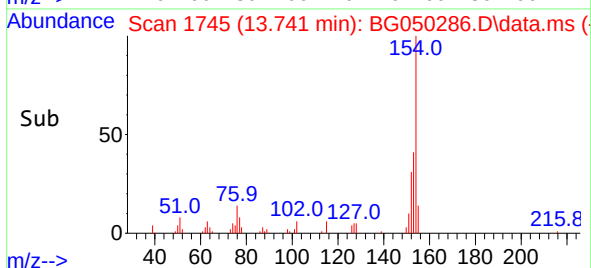
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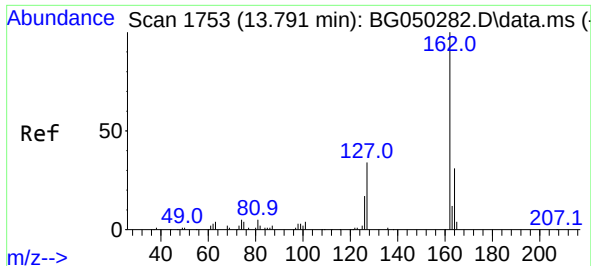


#43
1,1'-Biphenyl
Concen: 4.179 ng/ul
RT: 13.741 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



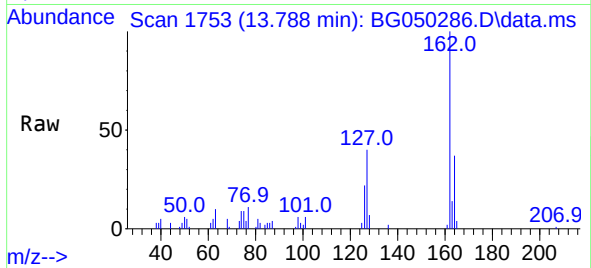
Tgt Ion:	154	Resp:	27873
Ion Ratio	Lower	Upper	
154	100		
153	41.1	32.5	48.7
76	14.4	7.8	11.8#





#44
2-Chloronaphthalene
Concen: 4.102 ng/ul
RT: 13.788 min Scan# 1753
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

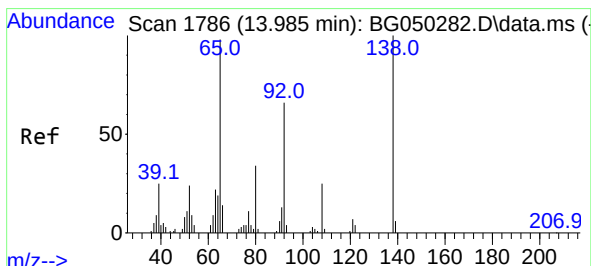
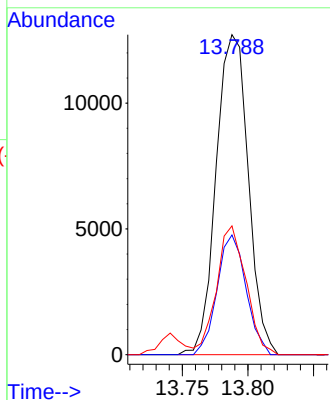
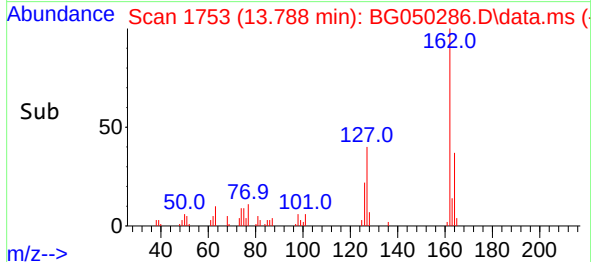
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07



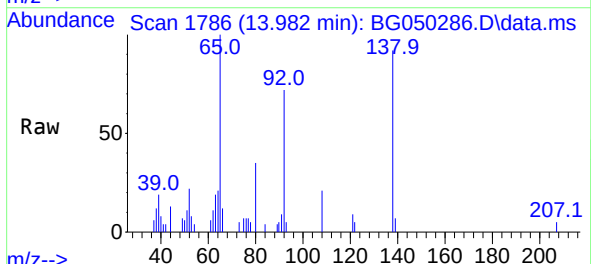
Tgt Ion:162 Resp: 21648
Ion Ratio Lower Upper
162 100
164 37.4 25.2 37.8
127 40.3 31.9 47.9

Manual Integrations
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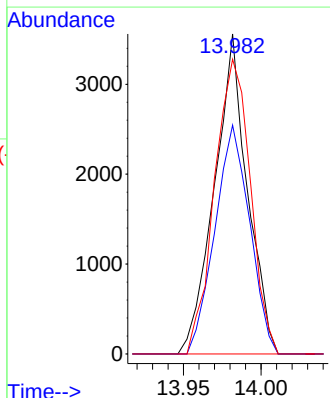
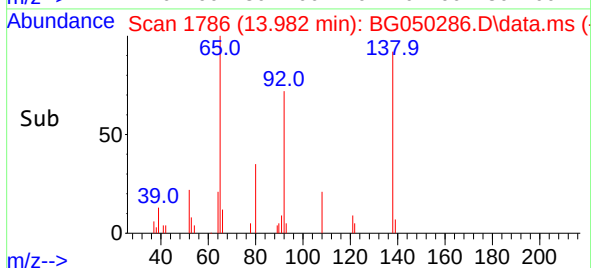
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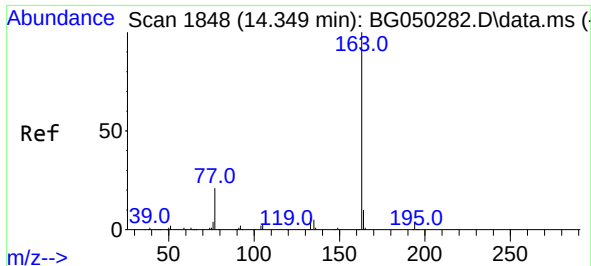


#45
2-Nitroaniline
Concen: 4.180 ng/ul
RT: 13.982 min Scan# 1786
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



Tgt Ion: 65 Resp: 5252
Ion Ratio Lower Upper
65 100
92 71.5 55.6 83.4
138 92.1 78.7 118.1





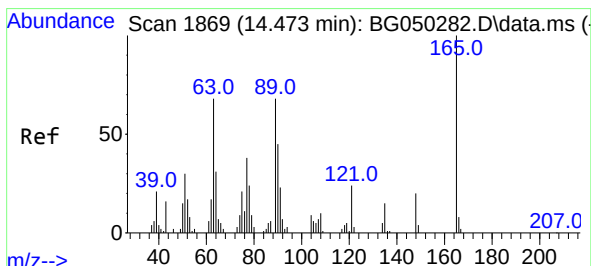
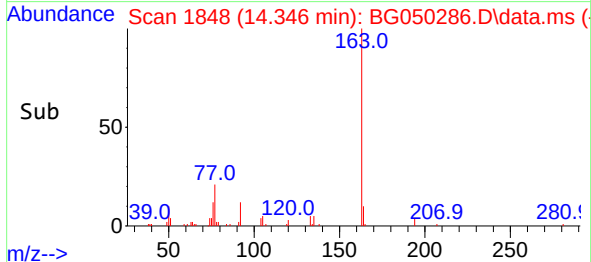
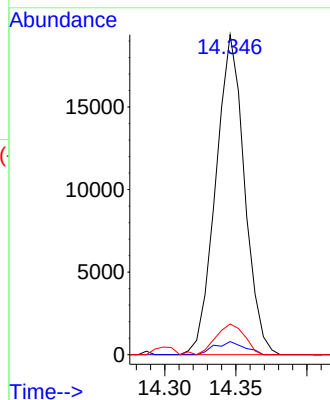
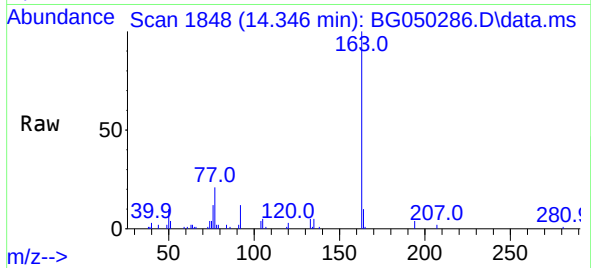
#47
Dimethylphthalate
Concen: 4.044 ng/ul
RT: 14.346 min Scan# 1848
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:	163	Resp:	27225
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	9.6	8.2	12.4

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07

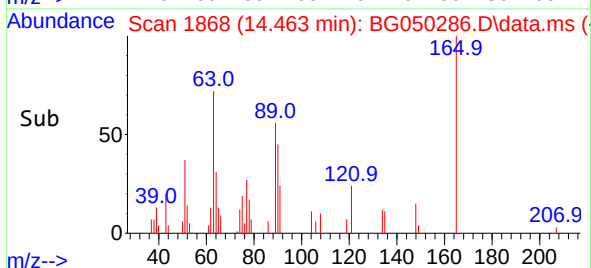
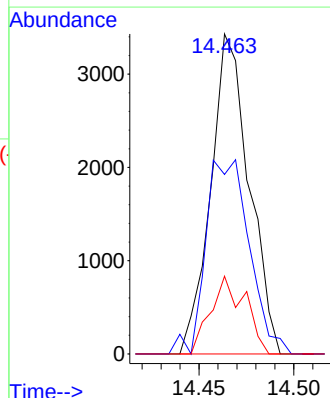
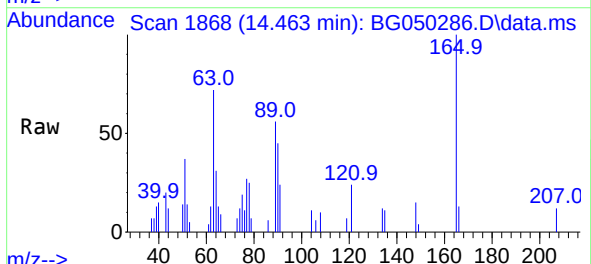
Manual Integrations
APPROVED

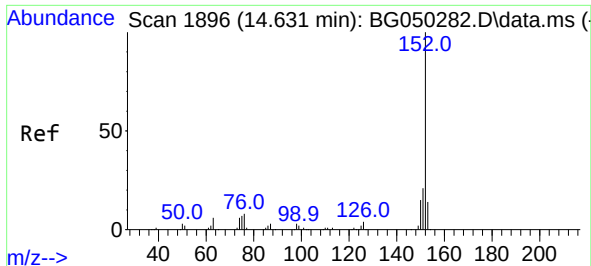
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#48
2,6-Dinitrotoluene
Concen: 4.533 ng/ul
RT: 14.463 min Scan# 1868
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

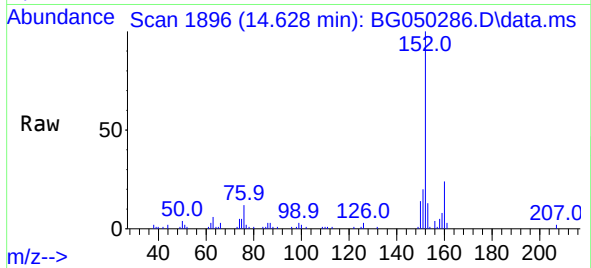
Tgt Ion:	165	Resp:	4830
Ion Ratio	Lower	Upper	
165	100		
89	56.1	62.5	93.7#
121	24.3	22.2	33.2





#50
Acenaphthylene
Concen: 3.849 ng/ul
RT: 14.628 min Scan# 1896
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

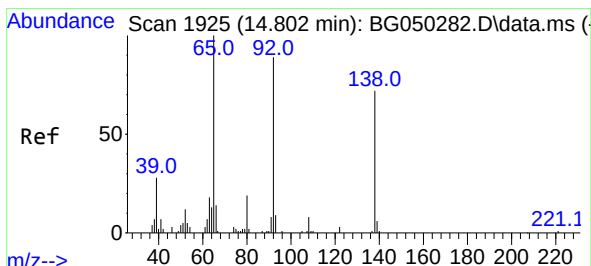
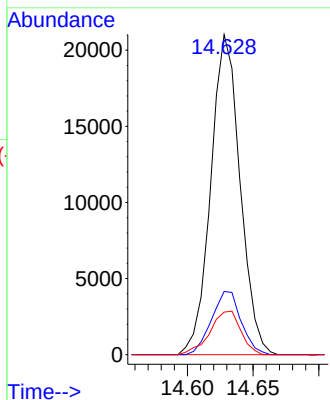
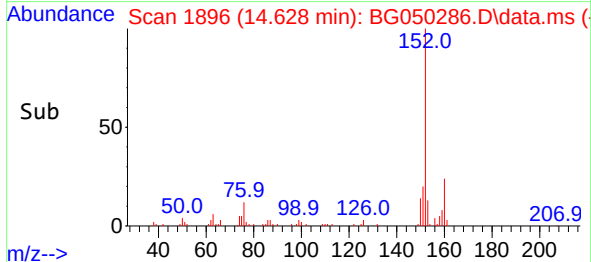
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07



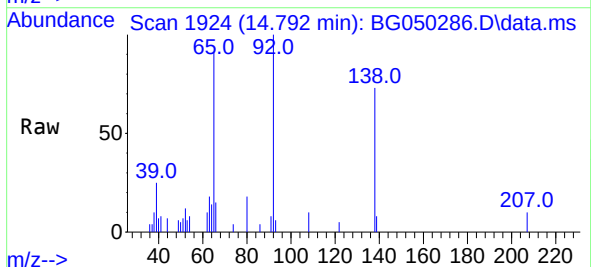
Tgt Ion:152 Resp: 32665
Ion Ratio Lower Upper
152 100
151 19.7 15.2 22.8
153 13.3 10.7 16.1

Manual Integrations
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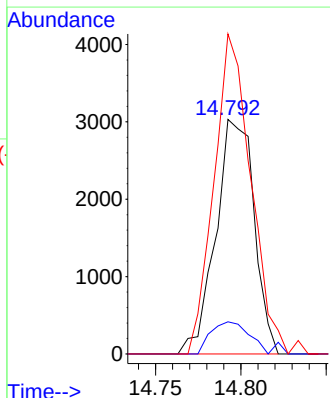
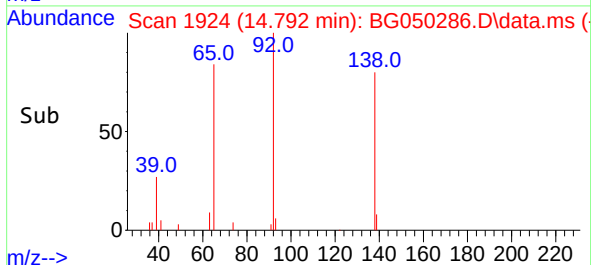
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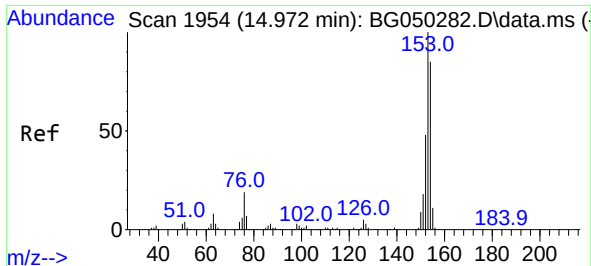


#51
3-Nitroaniline
Concen: 3.972 ng/ul
RT: 14.792 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

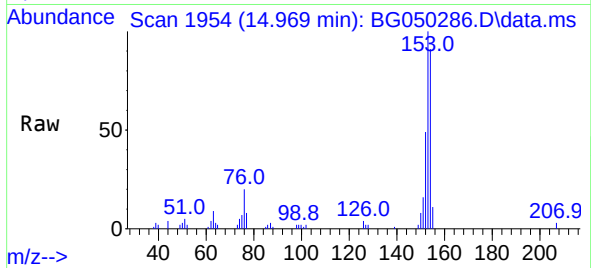


Tgt Ion:138 Resp: 4732
Ion Ratio Lower Upper
138 100
108 13.7 9.0 13.4#
92 136.5 96.4 144.6





#52
Acenaphthene
Concen: 4.112 ng/ul
RT: 14.969 min Scan# 1954
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

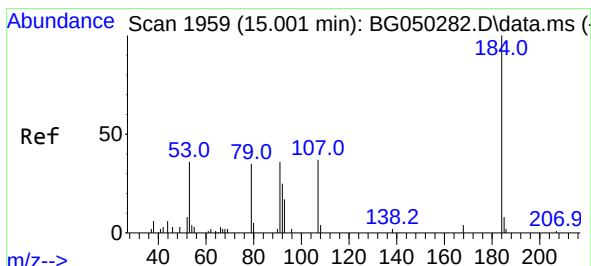
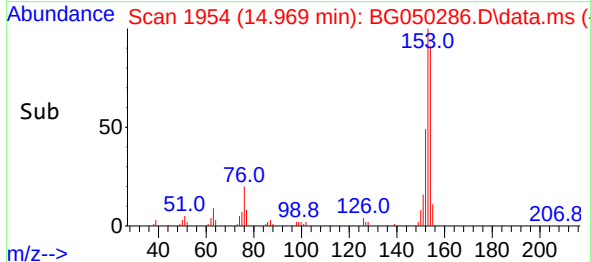
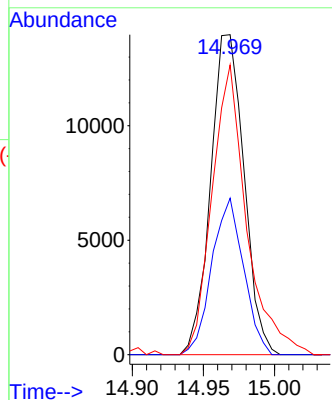


Tgt Ion:153 Resp: 22846
Ion Ratio Lower Upper
153 100
152 48.9 37.4 56.2
154 90.6 71.5 107.3

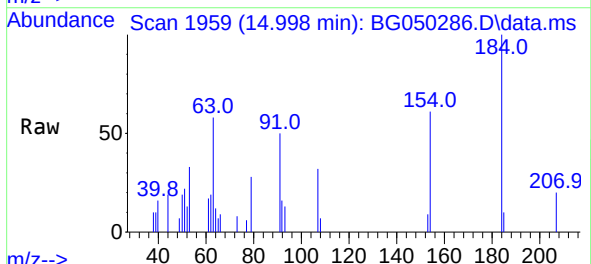
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07

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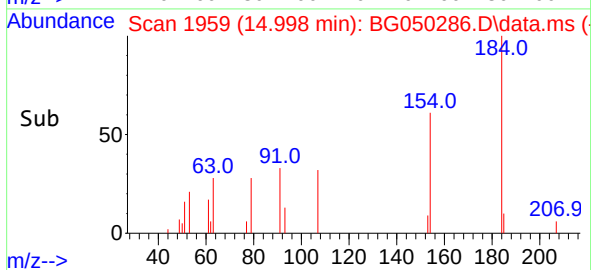
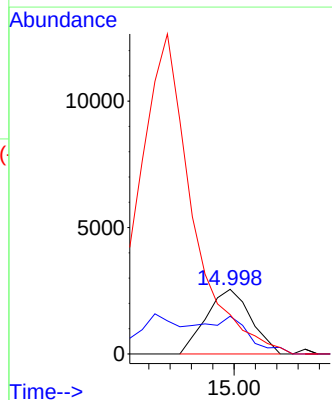
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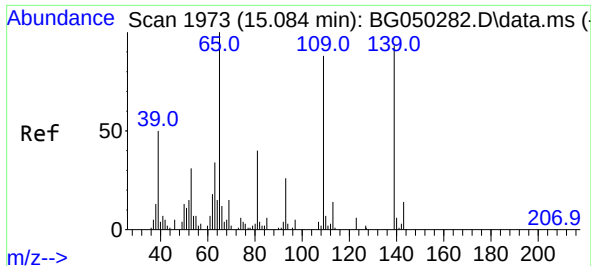


#53
2,4-Dinitrophenol
Concen: 5.496 ng/ul
RT: 14.998 min Scan# 1959
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



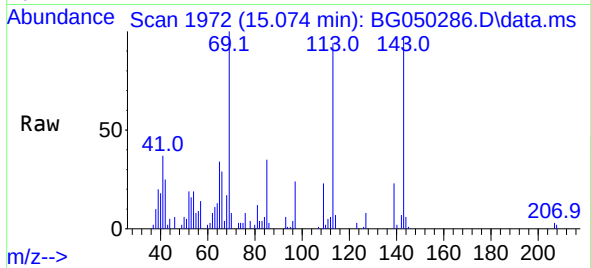
Tgt Ion:184 Resp: 3708
Ion Ratio Lower Upper
184 100
63 58.5 75.8 113.8#
154 60.8 64.6 96.8#





#55
4-Nitrophenol
Concen: 3.869 ng/ul
RT: 15.074 min Scan# 1972
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

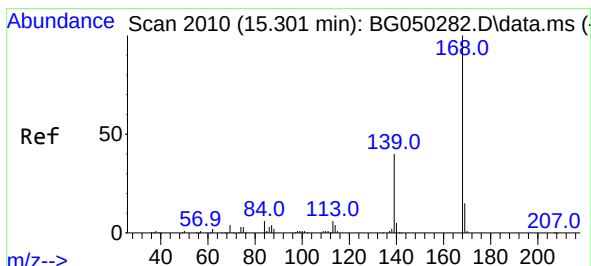
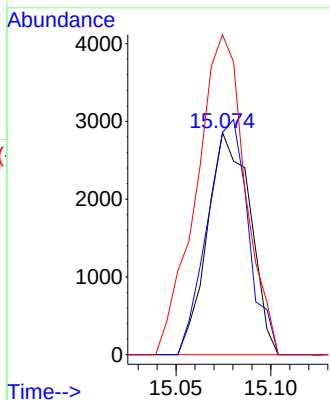
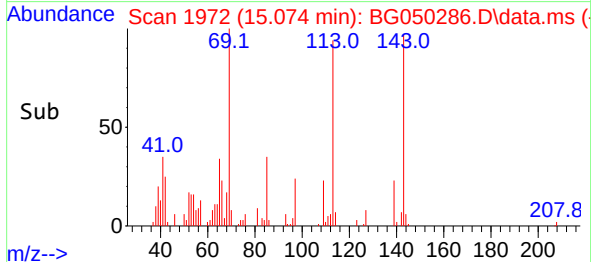
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07



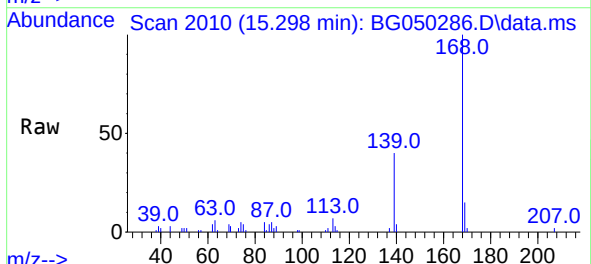
Tgt Ion:109 Resp: 4483
Ion Ratio Lower Upper
109 100
139 99.9 61.4 92.0#
65 144.0 76.5 114.7#

Manual Integrations
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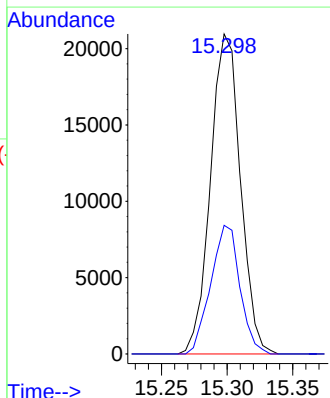
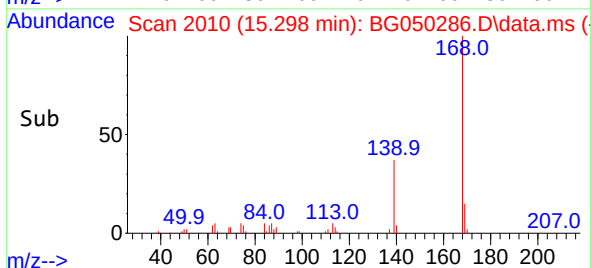
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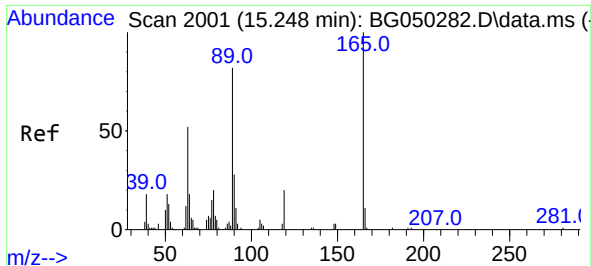


#56
Dibenzofuran
Concen: 4.000 ng/ul
RT: 15.298 min Scan# 2010
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



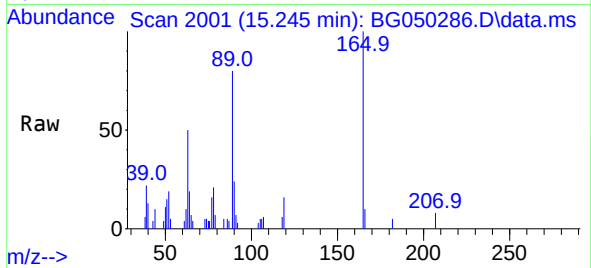
Tgt Ion:168 Resp: 33255
Ion Ratio Lower Upper
168 100
139 40.2 33.8 50.8





#57
2,4-Dinitrotoluene
Concen: 4.241 ng/ul
RT: 15.245 min Scan# 2001
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

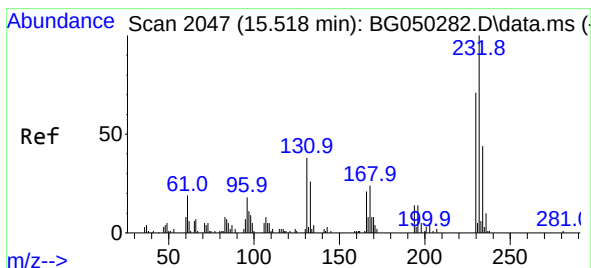
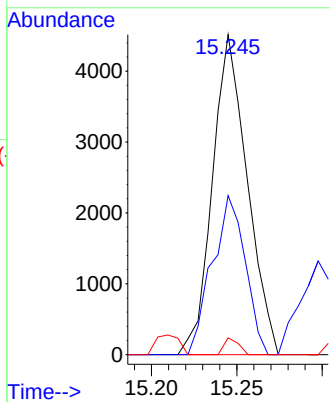
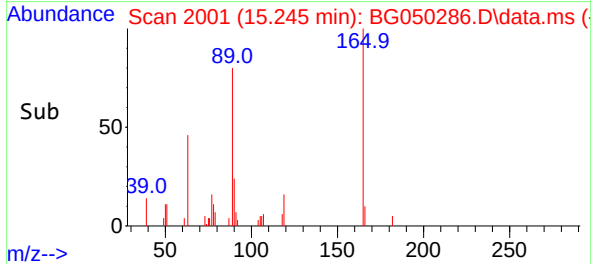
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2021-07



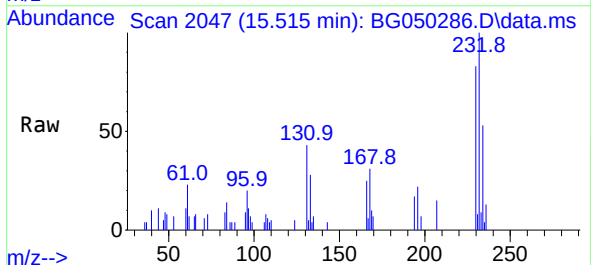
Tgt Ion:165 Resp: 6404
Ion Ratio Lower Upper
165 100
63 49.7 42.3 63.5
182 5.3 2.6 4.0#

Manual Integrations
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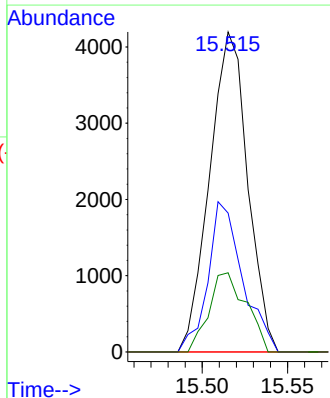
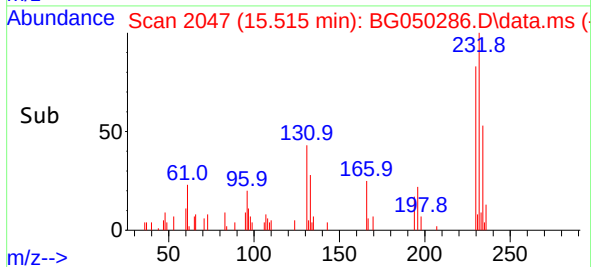
mohammad
9/29/2021 12:53:16 PM

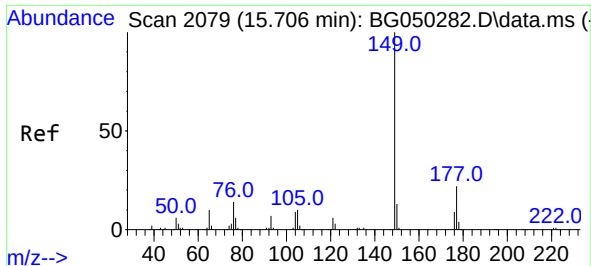


#58
2,3,4,6-Tetrachlorophenol
Concen: 3.680 ng/ul
RT: 15.515 min Scan# 2047
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



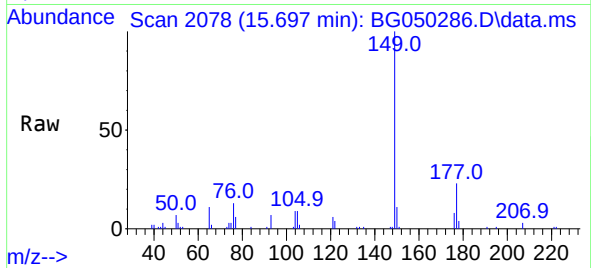
Tgt Ion:232 Resp: 6502
Ion Ratio Lower Upper
232 100
131 43.4 40.0 60.0
130 0.0 1.8 2.8#
166 24.7 24.8 37.2#





#59
Diethylphthalate
Concen: 3.916 ng/ul
RT: 15.697 min Scan# 2078
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

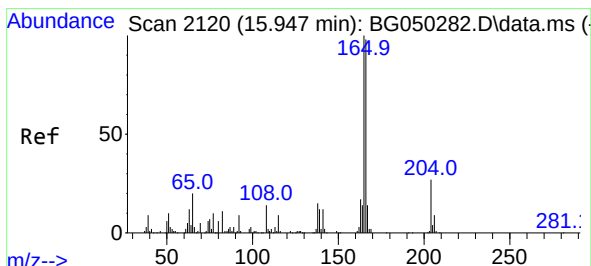
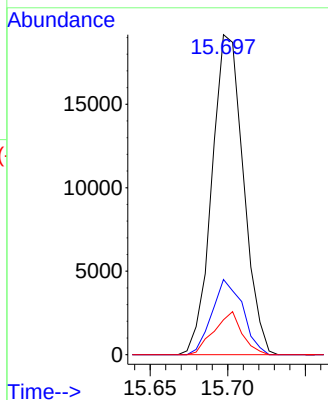
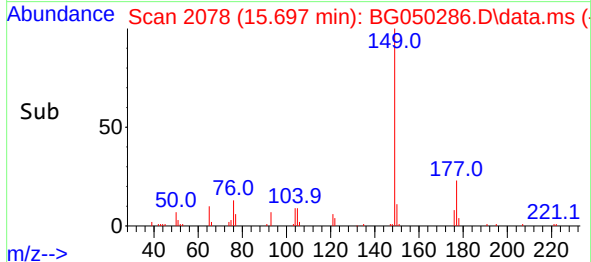
Instrument :
BNA_G
ClientSampleId :
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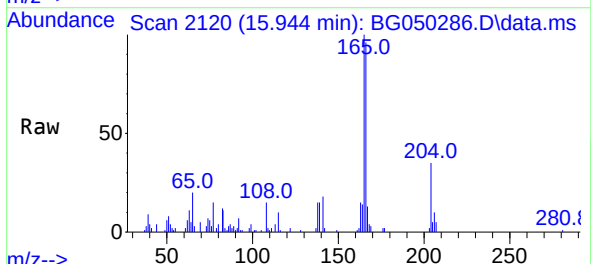
Tgt Ion:	149	Resp:	27103
Ion Ratio	100	Lower	Upper
149	100		
177	23.5	15.8	23.6
150	10.9	9.7	14.5

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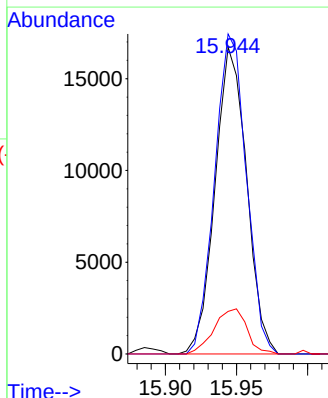
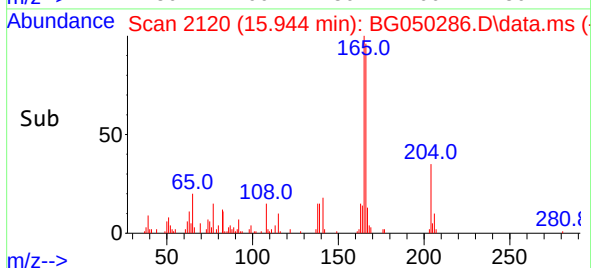
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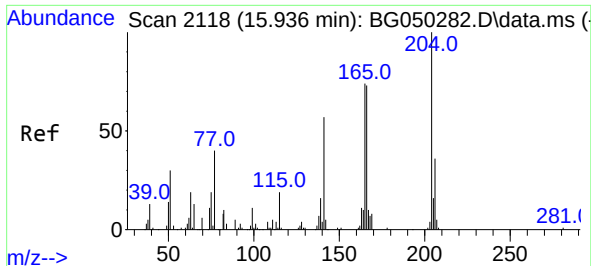


#61
Fluorene
Concen: 3.970 ng/ul
RT: 15.944 min Scan# 2120
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



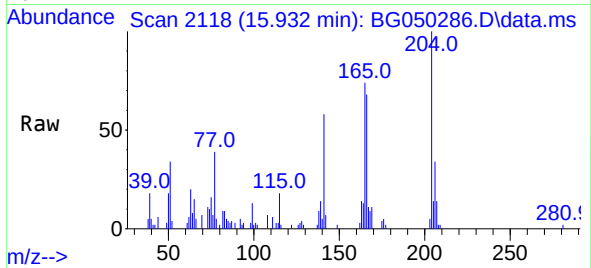
Tgt Ion:	166	Resp:	25864
Ion Ratio	100	Lower	Upper
166	100		
165	104.3	83.3	124.9
167	13.9	11.8	17.6



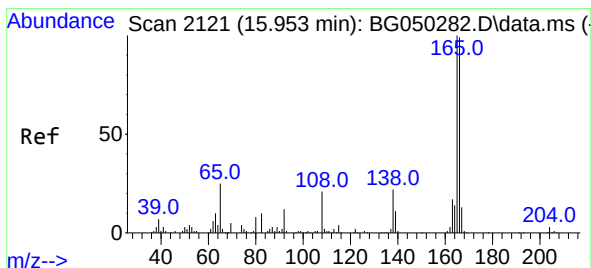
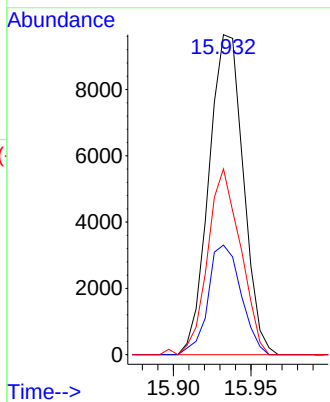
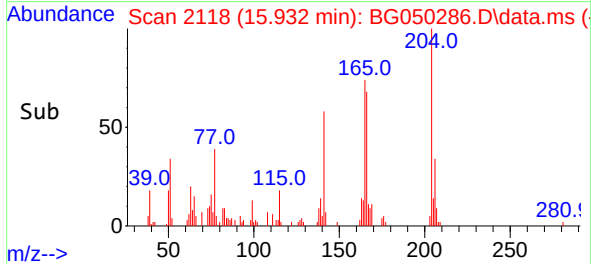


#62
4-Chlorophenyl-phenylether
Concen: 4.062 ng/ul
RT: 15.932 min Scan# 2118
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

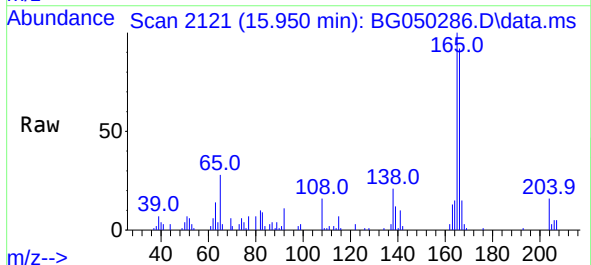
Instrument :
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ClientSampleId :
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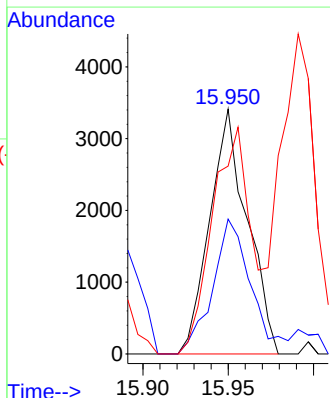
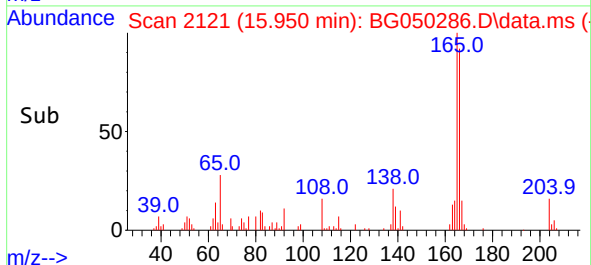
Tgt Ion:204 Resp: 14894
Ion Ratio Lower Upper
204 100
206 34.3 25.4 38.2
141 58.0 51.8 77.6

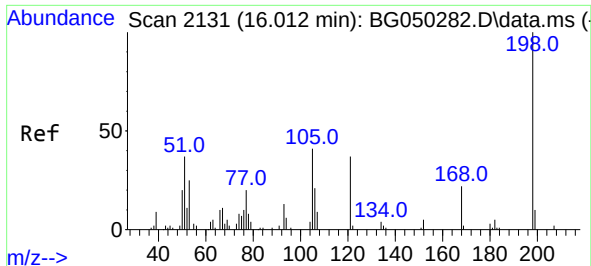


#63
4-Nitroaniline
Concen: 4.263 ng/ul
RT: 15.950 min Scan# 2121
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

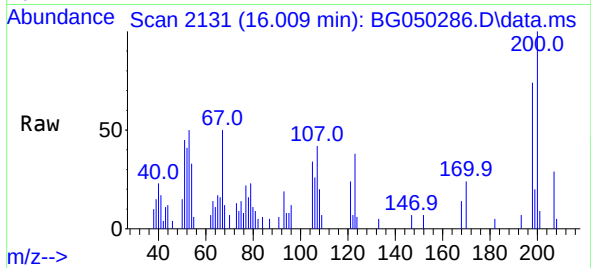


Tgt Ion:138 Resp: 5228
Ion Ratio Lower Upper
138 100
92 55.1 50.0 75.0
108 76.8 101.8 152.8#

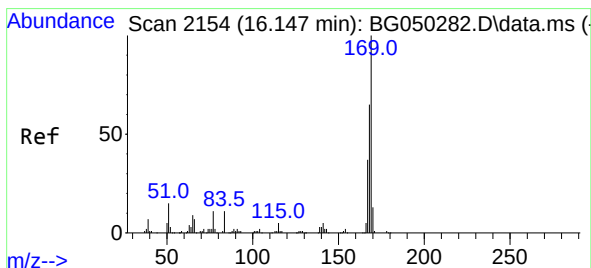
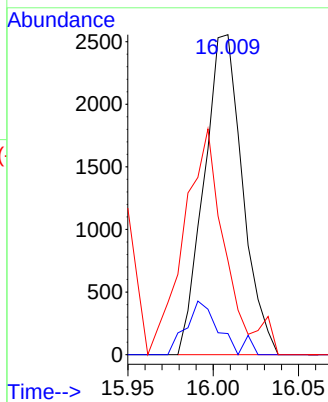
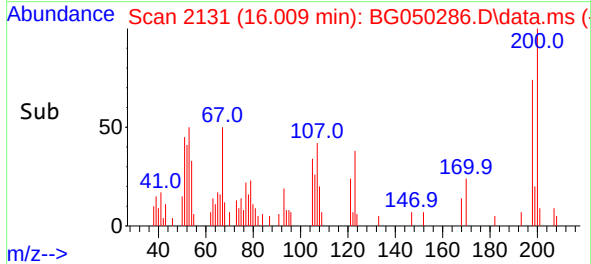




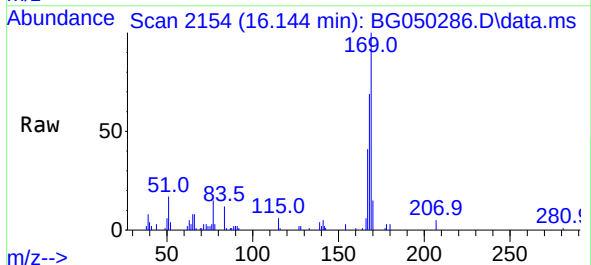
#66
4,6-Dinitro-2-methylphenol
Concen: 4.086 ng/ul
RT: 16.009 min Scan# 2131
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



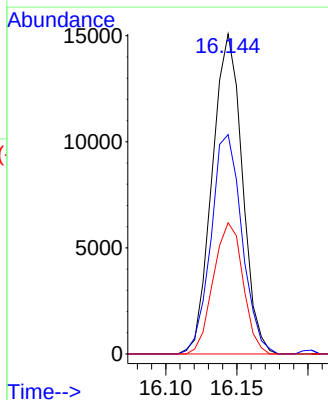
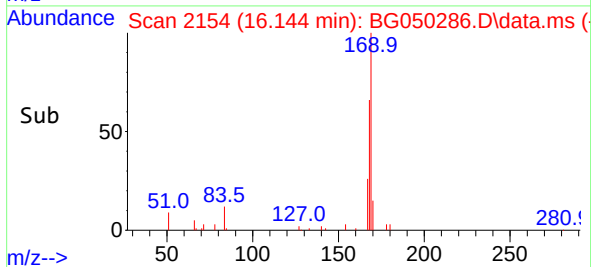
Tgt Ion:198 Resp: 4010
Ion Ratio Lower Upper
198 100
182 6.6 3.0 4.6#
77 29.4 23.4 35.2



#67
N-Nitrosodiphenylamine
Concen: 3.808 ng/ul
RT: 16.144 min Scan# 2154
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



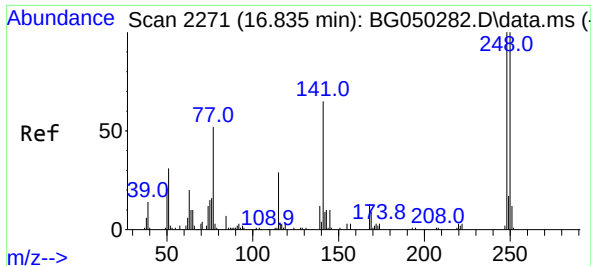
Tgt Ion:169 Resp: 22203
Ion Ratio Lower Upper
169 100
168 68.5 55.0 82.6
167 41.0 29.0 43.4



Instrument :
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ClientSampleId :
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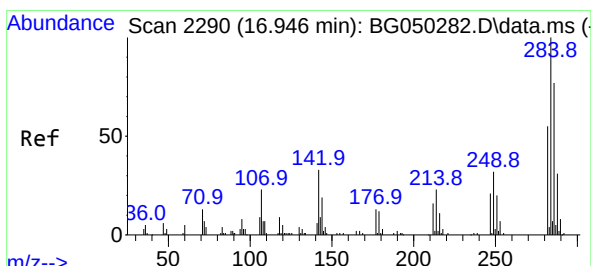
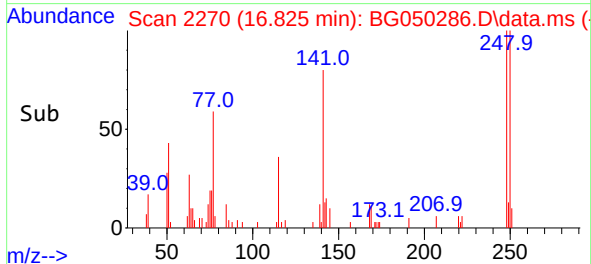
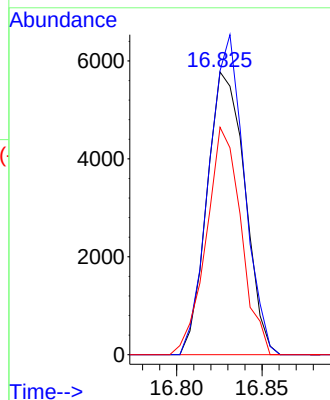
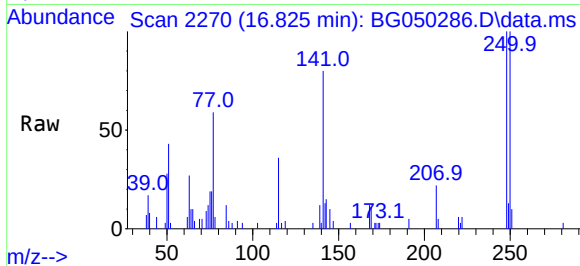
#68
4-Bromophenyl-phenylether
Concen: 3.728 ng/ul
RT: 16.825 min Scan# 2270
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:	248	Resp:	8913
Ion	Ratio	Lower	Upper
248	100		
250	100.4	80.2	120.2
141	80.4	60.6	90.8

Instrument :
BNA_G
ClientSampleId :
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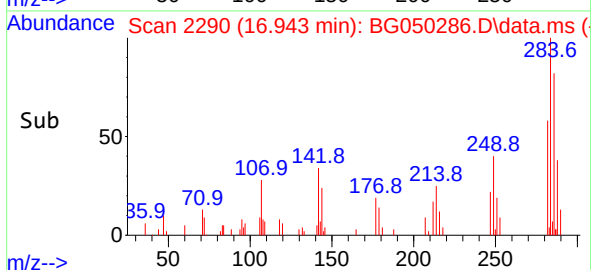
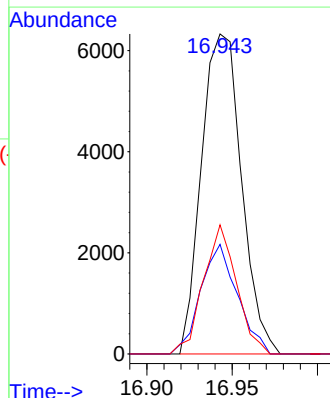
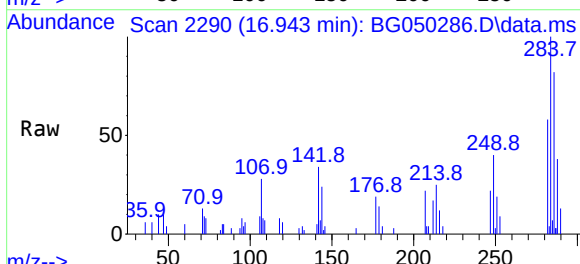
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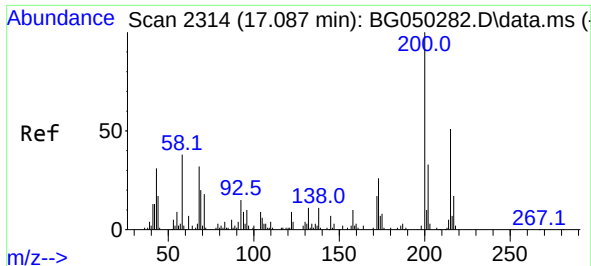
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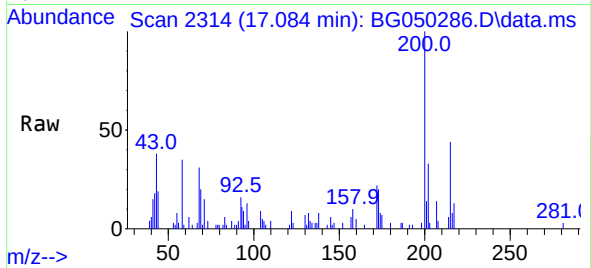
#69
Hexachlorobenzene
Concen: 3.902 ng/ul
RT: 16.943 min Scan# 2290
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:	284	Resp:	10336
Ion	Ratio	Lower	Upper
284	100		
142	34.2	28.7	43.1
249	40.3	25.5	38.3#





#70
Atrazine
Concen: 4.285 ng/ul
RT: 17.084 min Scan# 2314
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

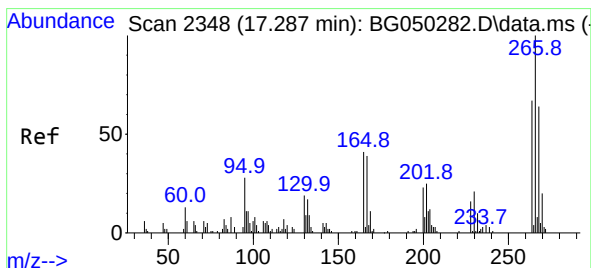
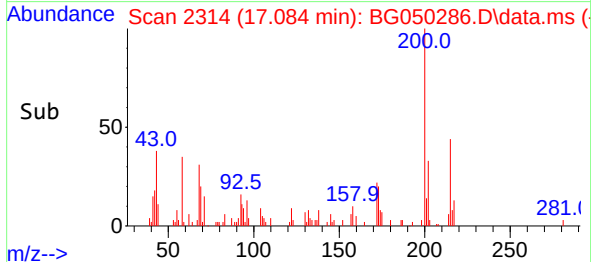
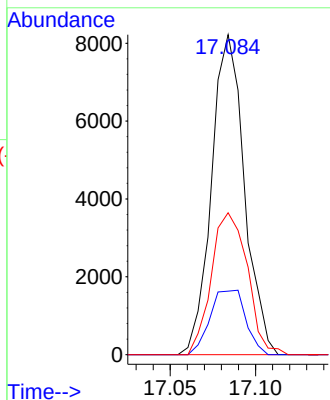


Tgt Ion:	200	Resp:	11023
Ion Ratio	Lower	Upper	
200	100		
173	19.8	19.3	28.9
215	44.4	34.9	52.3

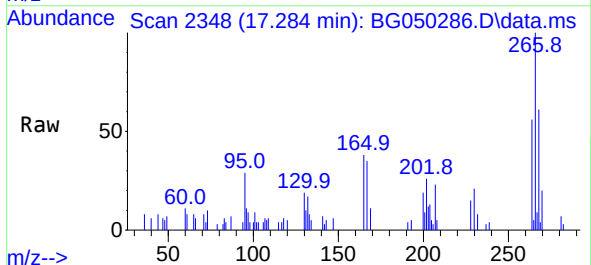
Instrument :
BNA_G
ClientSampleId :
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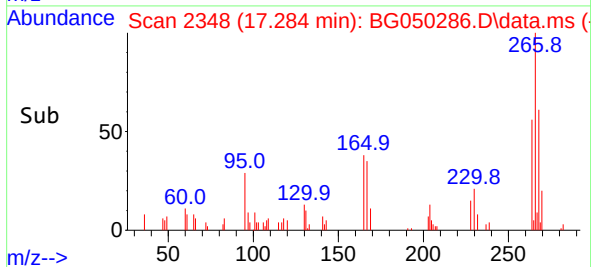
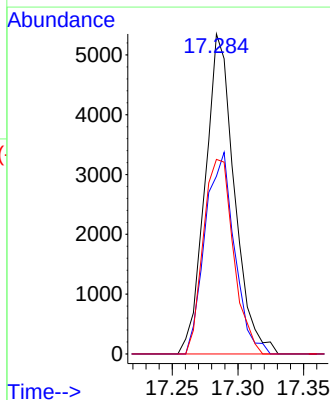
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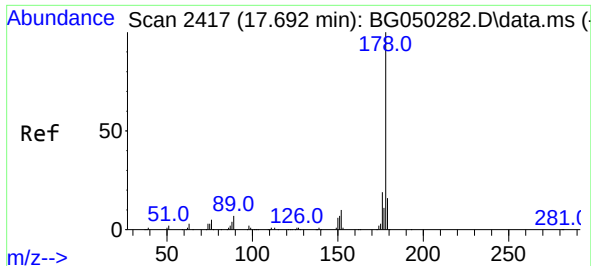


#71
Pentachlorophenol
Concen: 4.901 ng/ul
RT: 17.284 min Scan# 2348
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



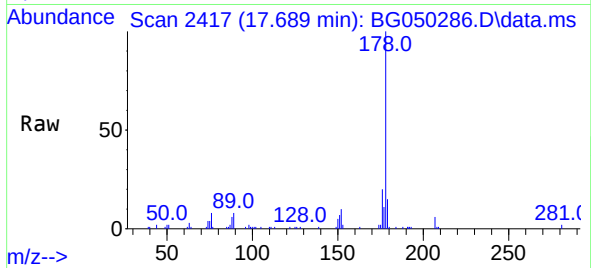
Tgt Ion:	266	Resp:	8284
Ion Ratio	Lower	Upper	
266	100		
264	55.5	54.1	81.1
268	64.9	52.6	78.8





#72
Phenanthrene
Concen: 4.053 ng/u1
RT: 17.689 min Scan# 2417
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

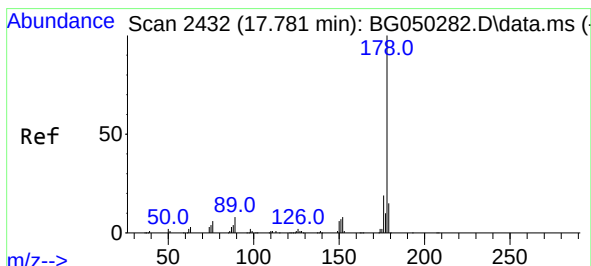
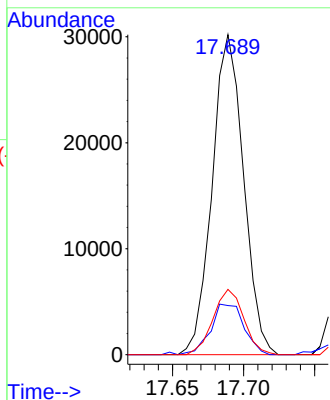
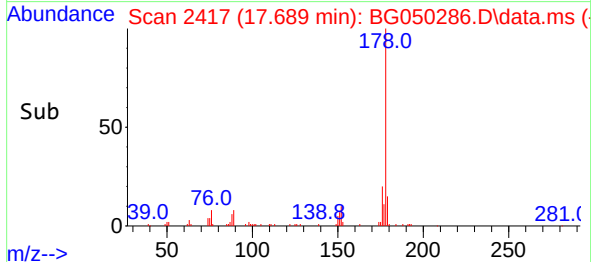
Instrument :
BNA_G
ClientSampleId :
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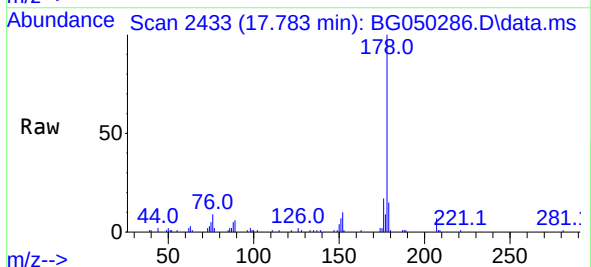
Tgt Ion:178 Resp: 46375
Ion Ratio Lower Upper
178 100
179 15.4 11.7 17.5
176 20.4 16.2 24.2

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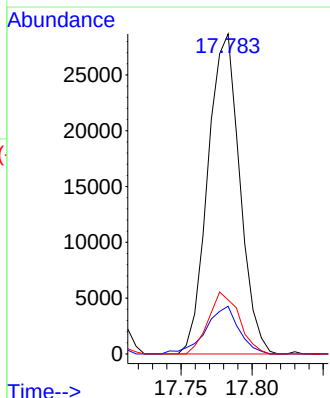
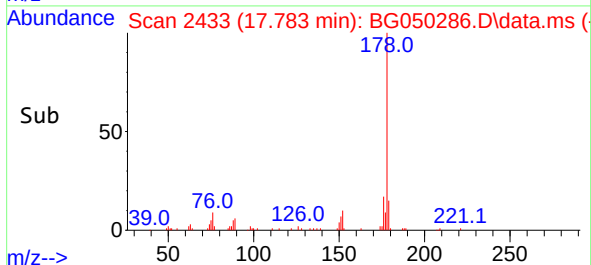
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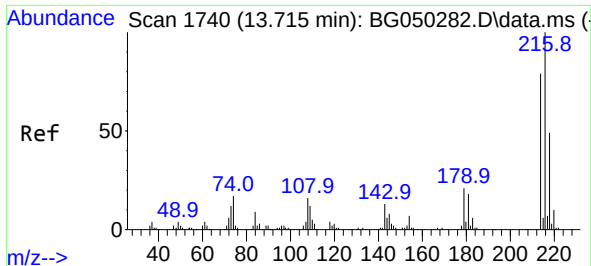


#74
Anthracene
Concen: 3.919 ng/u1
RT: 17.783 min Scan# 2433
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



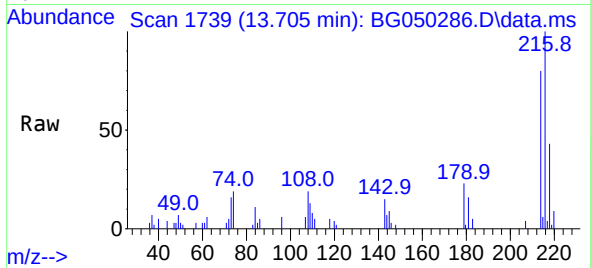
Tgt Ion:178 Resp: 44667
Ion Ratio Lower Upper
178 100
179 14.9 11.4 17.0
176 16.9 12.8 19.2





#75
1,2,3,4-Tetrachlorobenzene
Concen: 3.645 ng/uL
RT: 13.705 min Scan# 1739
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

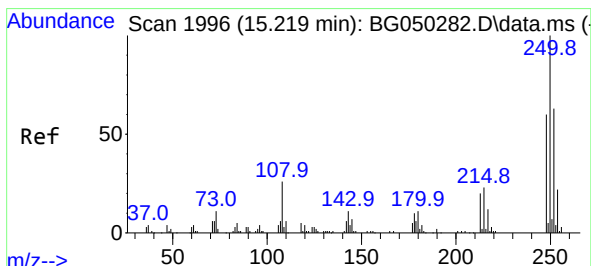
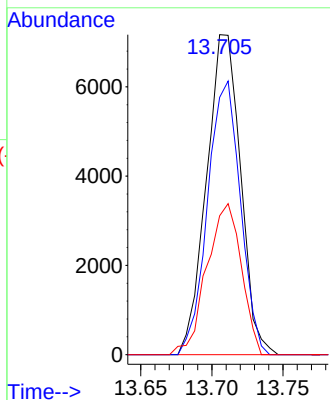
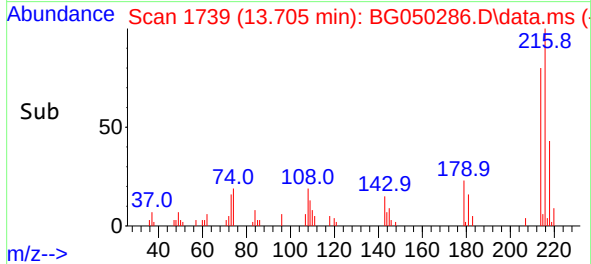
Instrument :
BNA_G
ClientSampleId :
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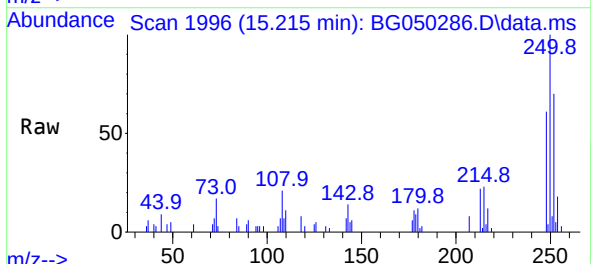
Tgt Ion:216 Resp: 11948
Ion Ratio Lower Upper
216 100
214 80.4 70.9 106.3
218 43.4 40.9 61.3

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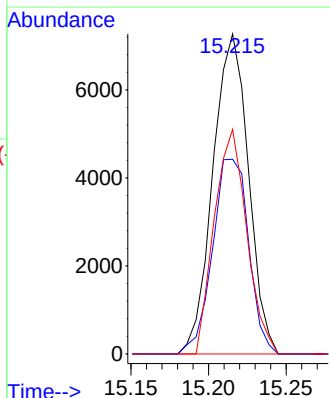
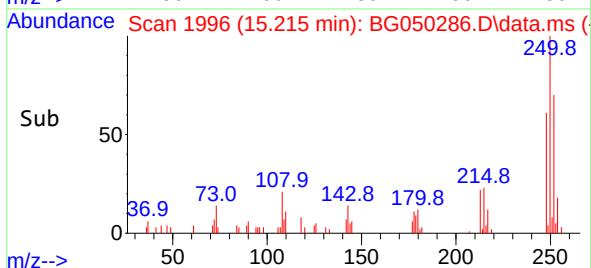
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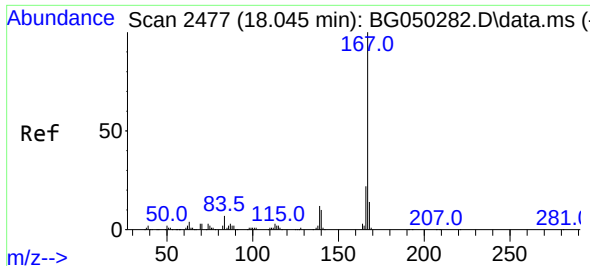


#76
Pentachlorobenzene
Concen: 3.665 ng/uL
RT: 15.215 min Scan# 1996
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



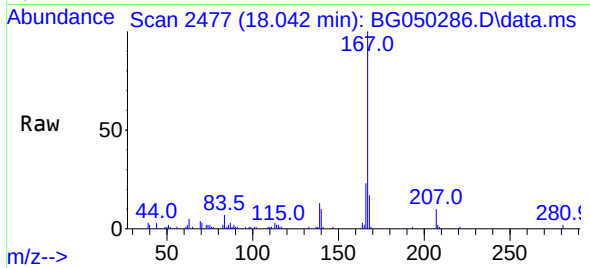
Tgt Ion:250 Resp: 11583
Ion Ratio Lower Upper
250 100
248 64.5 51.5 77.3
252 70.2 47.9 71.9





#77
 Carbazole
 Concen: 3.945 ng/ul
 RT: 18.042 min Scan# 2477
 Delta R.T. -0.009 min
 Lab File: BG050286.D
 Acq: 28 Sep 2021 14:06

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

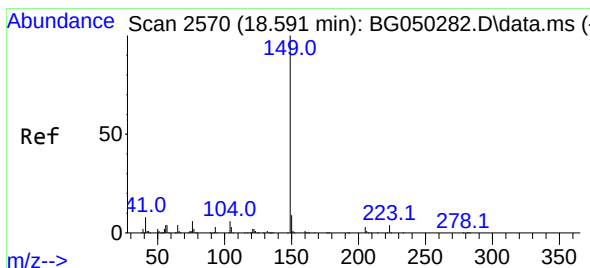
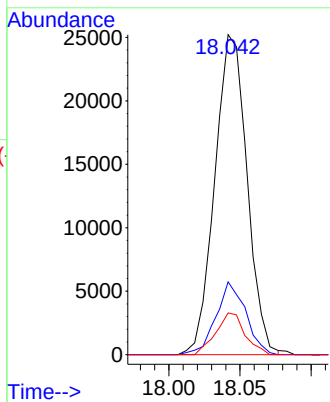
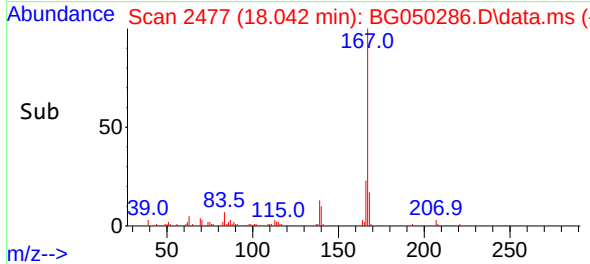


Tgt Ion:167 Resp: 39780

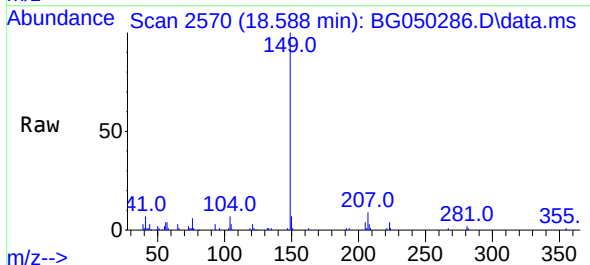
Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.8	26.8
139	13.1	11.1	16.7

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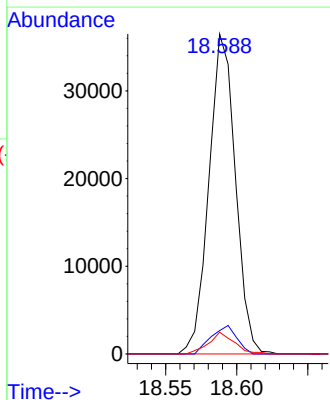
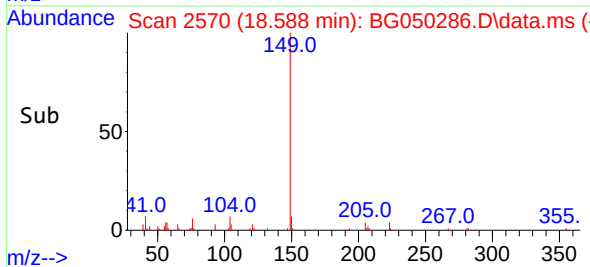


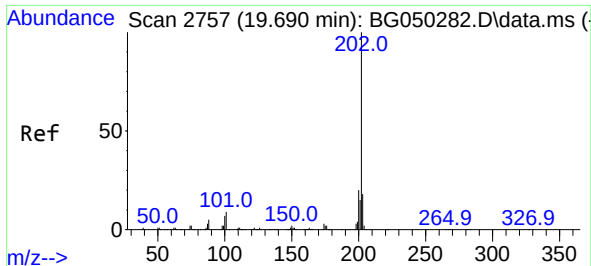
#78
 Di-n-butylphthalate
 Concen: 4.058 ng/ul
 RT: 18.588 min Scan# 2570
 Delta R.T. -0.009 min
 Lab File: BG050286.D
 Acq: 28 Sep 2021 14:06



Tgt Ion:149 Resp: 47176

Ion	Ratio	Lower	Upper
149	100		
150	7.3	8.1	12.1#
104	6.8	5.3	7.9





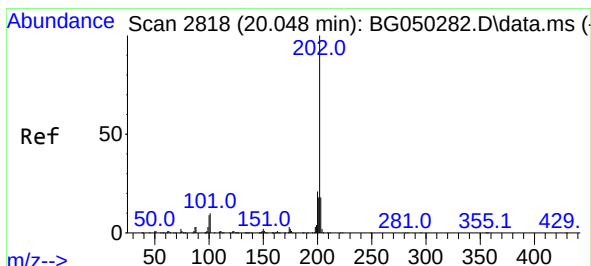
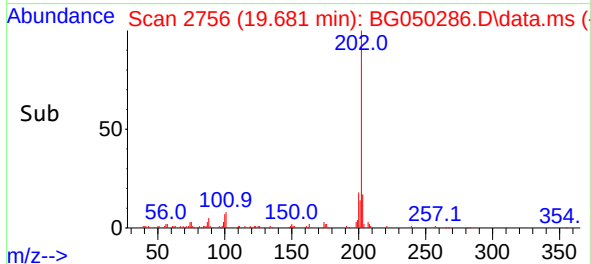
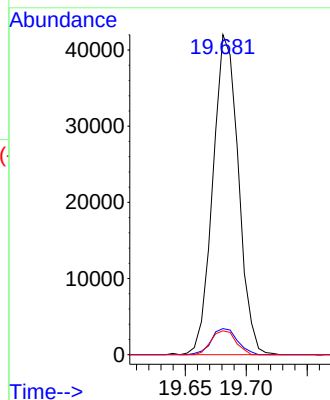
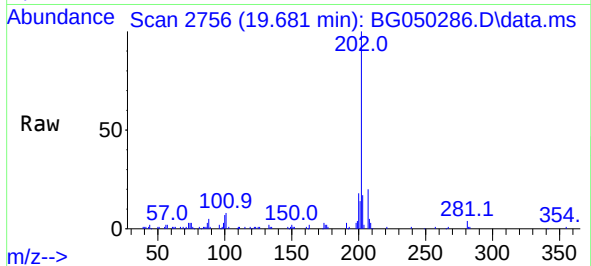
#80
Fluoranthene
Concen: 3.313 ng/u1
RT: 19.681 min Scan# 2756
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:202 Resp: 61179
Ion Ratio Lower Upper
202 100
101 8.1 4.3 6.5#
100 7.4 3.5 5.3#

Instrument :
BNA_G
ClientSampleId :
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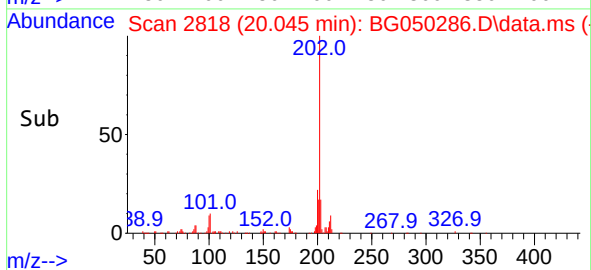
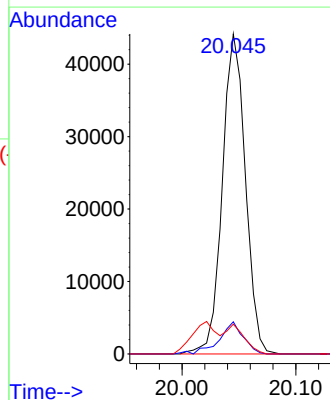
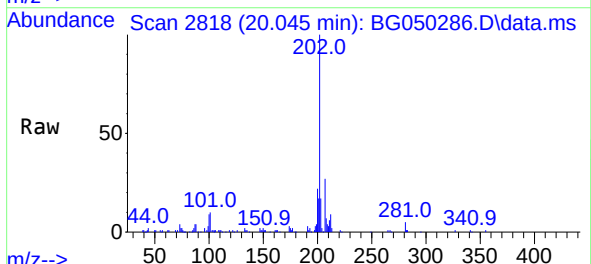
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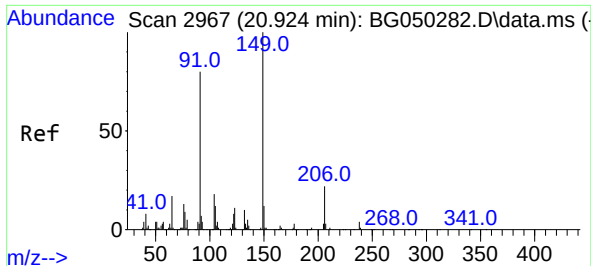
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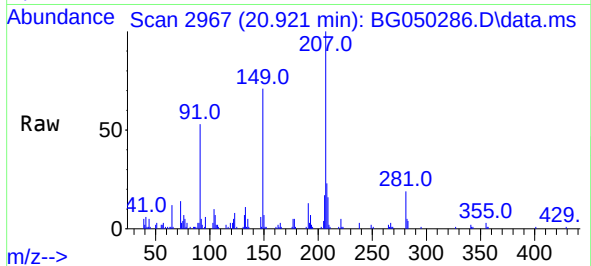
#82
Pyrene
Concen: 3.428 ng/u1
RT: 20.045 min Scan# 2818
Delta R.T. -0.003 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:202 Resp: 62251
Ion Ratio Lower Upper
202 100
101 10.1 5.4 8.0#
100 9.3 5.0 7.6#

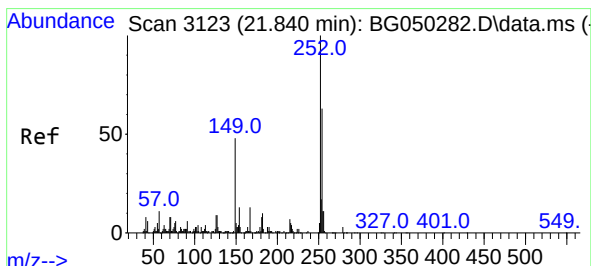
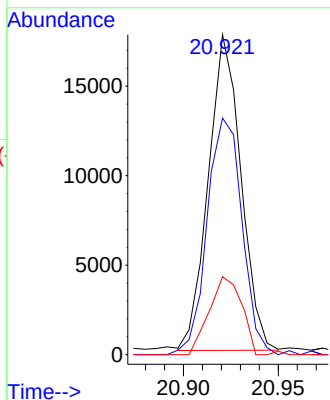
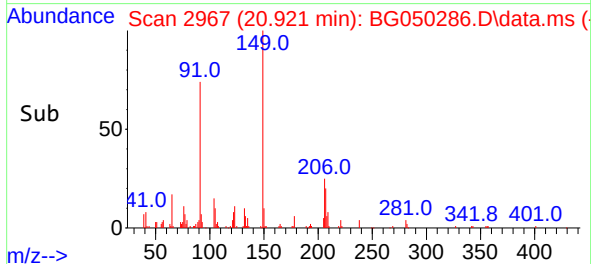




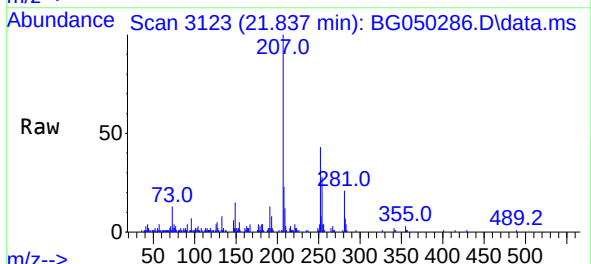
#83
Butylbenzylphthalate
Concen: 3.465 ng/ul
RT: 20.921 min Scan# 2967
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



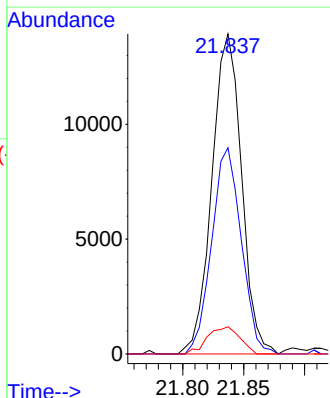
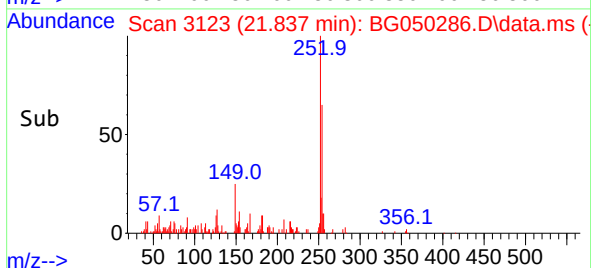
Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.9	60.6	90.8
206	24.4	16.8	25.2



#84
3,3'-Dichlorobenzidine
Concen: 4.089 ng/ul
RT: 21.837 min Scan# 3123
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



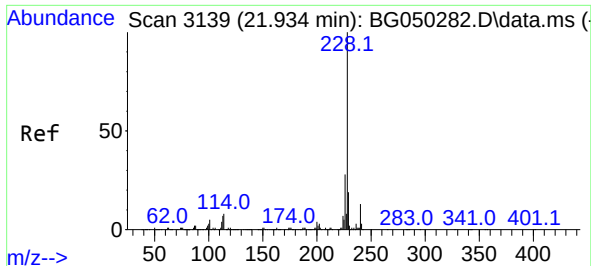
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.4	54.2	81.2
126	8.5	5.4	8.0



Instrument :
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ClientSampleId :
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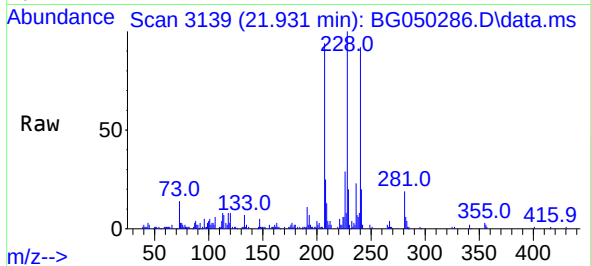
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#85
Benzo(a)anthracene
Concen: 3.845 ng/ul
RT: 21.931 min Scan# 3139
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

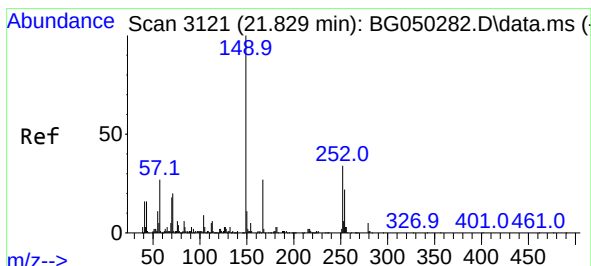
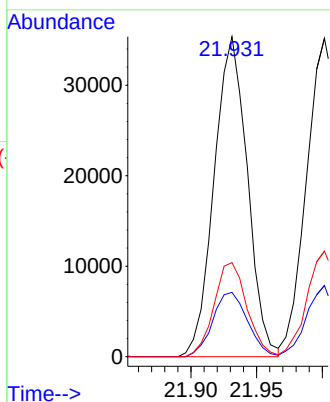
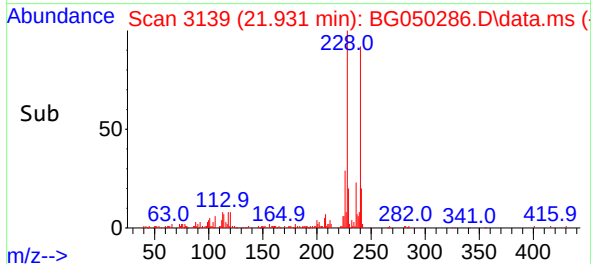
Instrument :
BNA_G
ClientSampleId :
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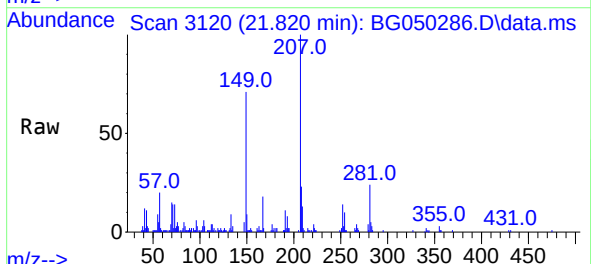
Tgt Ion:228 Resp: 62288
Ion Ratio Lower Upper
228 100
229 20.1 16.2 24.4
226 29.4 21.0 31.4

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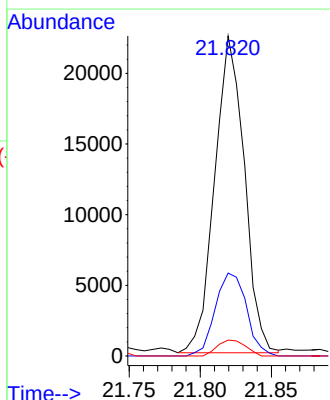
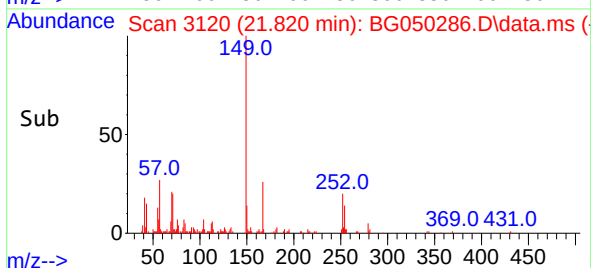
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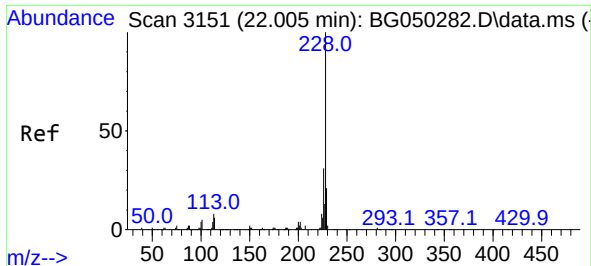


#86
Bis(2-ethylhexyl)phthalate
Concen: 3.728 ng/ul
RT: 21.820 min Scan# 3120
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

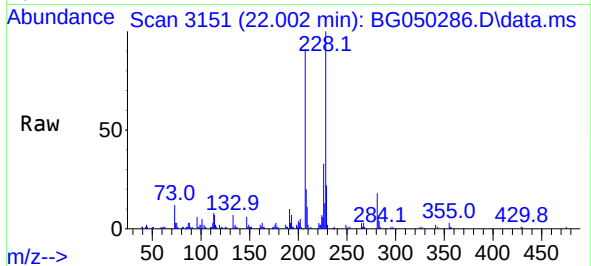


Tgt Ion:149 Resp: 32553
Ion Ratio Lower Upper
149 100
167 25.9 20.4 30.6
279 4.9 3.7 5.5

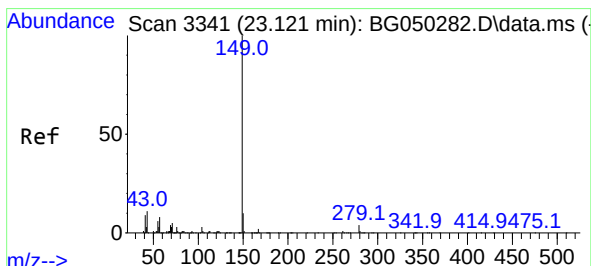
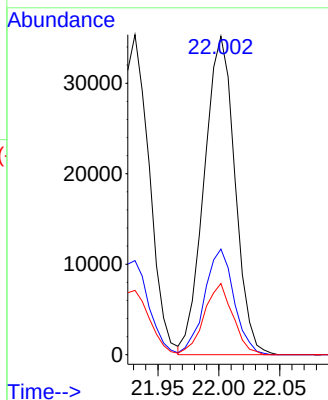
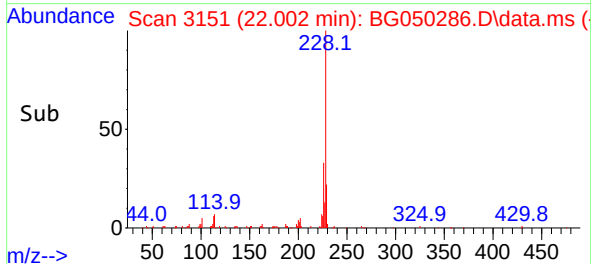




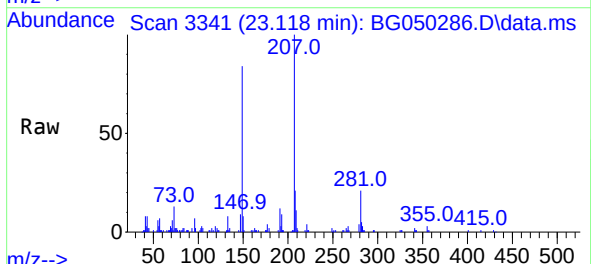
#87
Chrysene
Concen: 3.937 ng/ul
RT: 22.002 min Scan# 3151
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



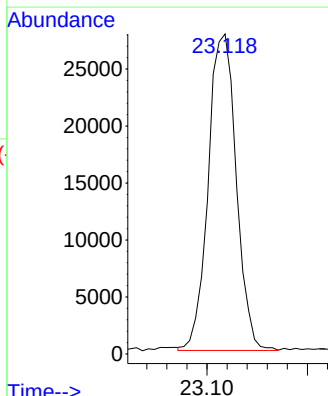
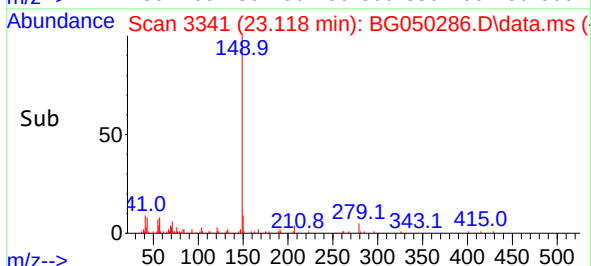
Tgt Ion:228 Resp: 61840
Ion Ratio Lower Upper
228 100
226 33.2 23.0 34.4
229 22.3 17.8 26.6



#89
Di-n-octyl phthalate
Concen: 4.003 ng/ul
RT: 23.118 min Scan# 3341
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06



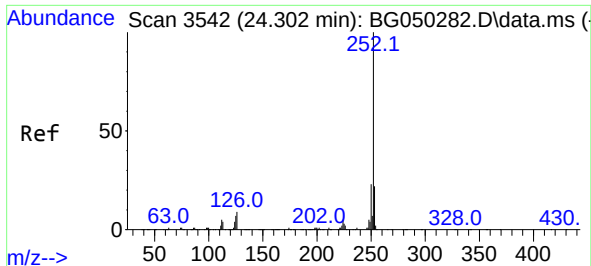
Tgt Ion:149 Resp: 53868



Instrument :
BNA_G
ClientSampleId :
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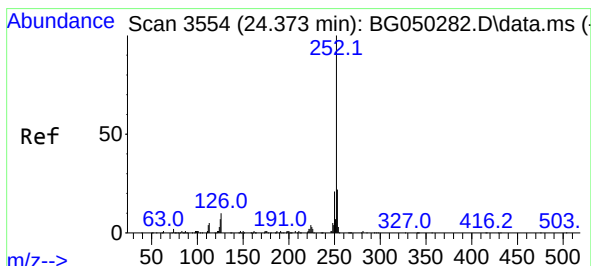
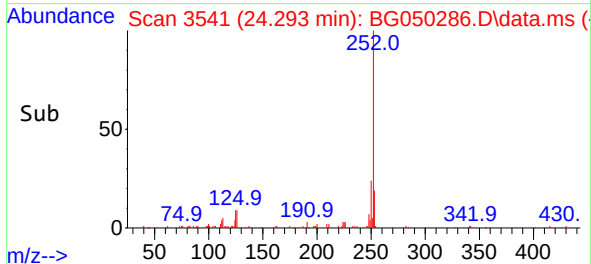
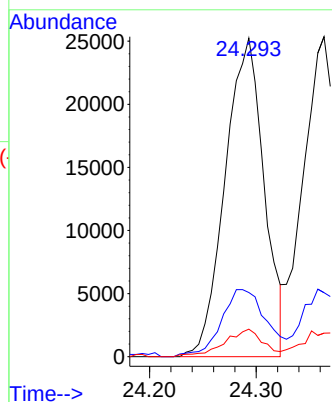
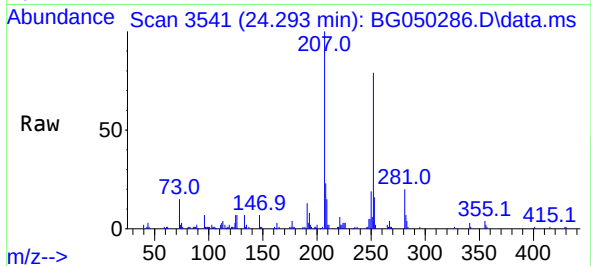
#90
Benzo(b)fluoranthene
Concen: 3.987 ng/ul
RT: 24.293 min Scan# 3541
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:252 Resp: 64073
Ion Ratio Lower Upper
252 100
253 20.2 18.1 27.1
125 8.7 3.4 5.0#

Instrument :
BNA_G
ClientSampleId :
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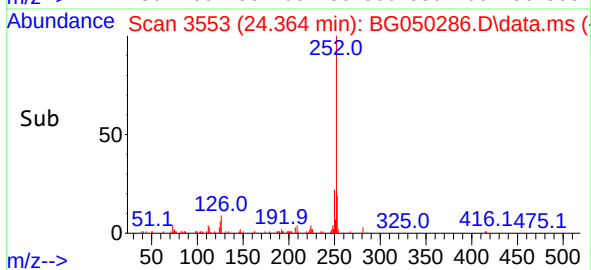
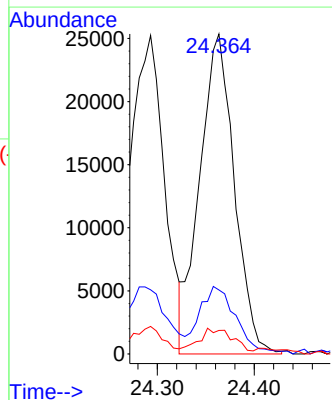
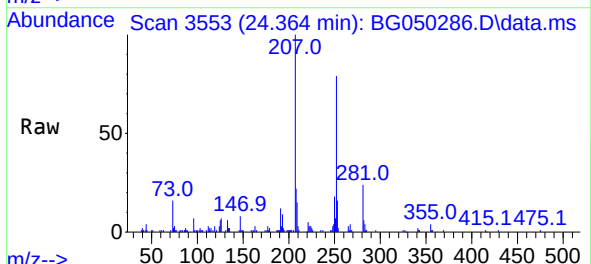
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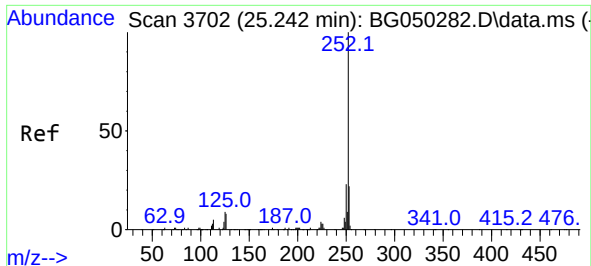
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#91
Benzo(k)fluoranthene
Concen: 4.173 ng/ul m
RT: 24.364 min Scan# 3553
Delta R.T. -0.009 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion:252 Resp: 62964
Ion Ratio Lower Upper
252 100
253 20.0 17.7 26.5
125 7.4 4.1 6.1#





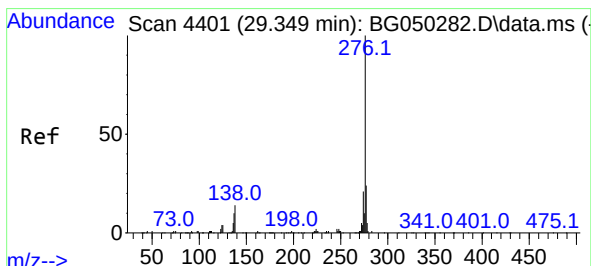
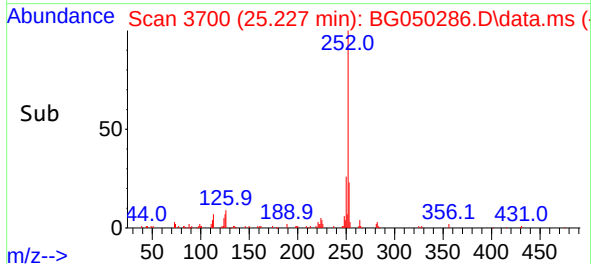
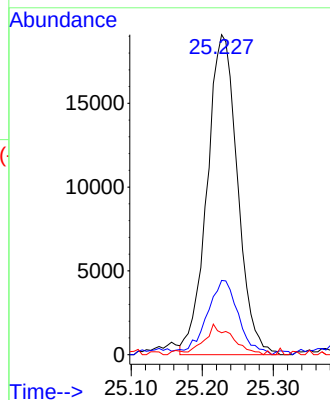
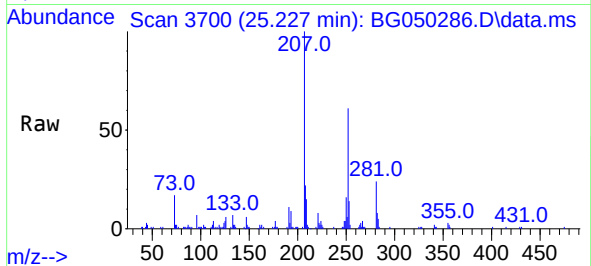
#93
Benzo(a)pyrene
Concen: 3.720 ng/ul
RT: 25.227 min Scan# 3700
Delta R.T. -0.014 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion: 252 Resp: 56775
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 6.9 4.4 6.6#

Instrument :
BNA_G
ClientSampleId :
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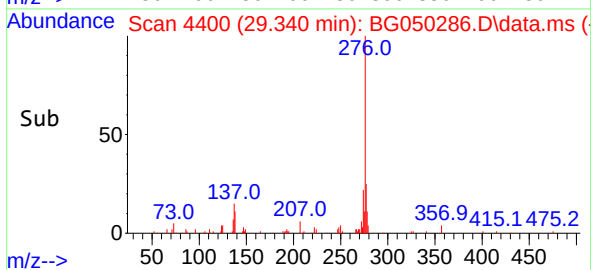
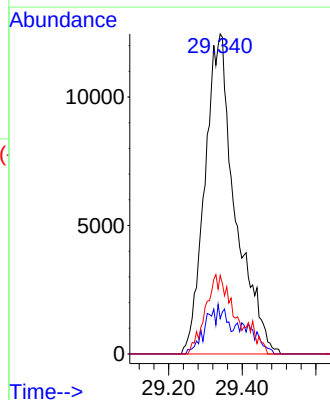
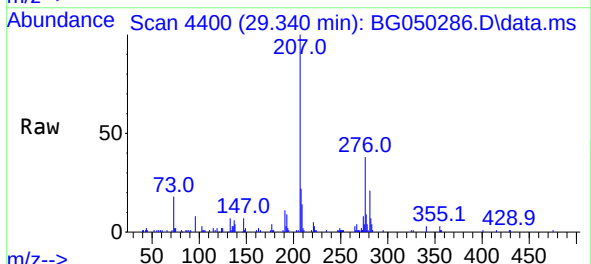
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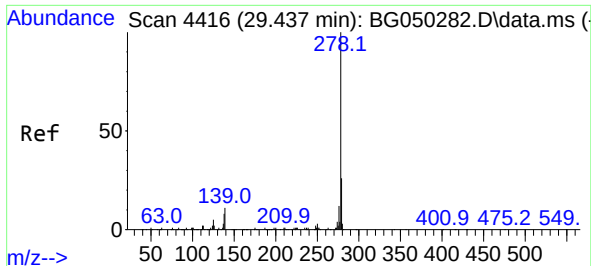
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#94
Indeno(1,2,3-cd)pyrene
Concen: 4.016 ng/ul m
RT: 29.340 min Scan# 4400
Delta R.T. -0.014 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion: 276 Resp: 71629
Ion Ratio Lower Upper
276 100
138 11.1 5.5 8.3#
277 24.5 18.6 27.8





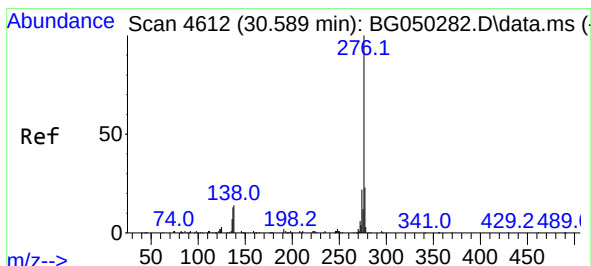
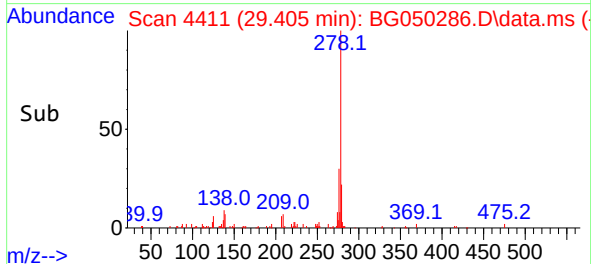
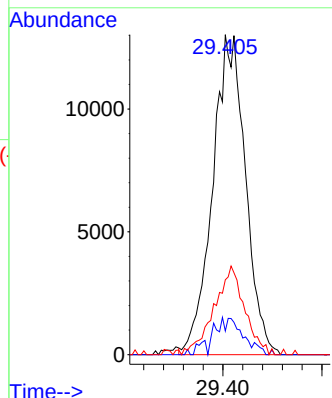
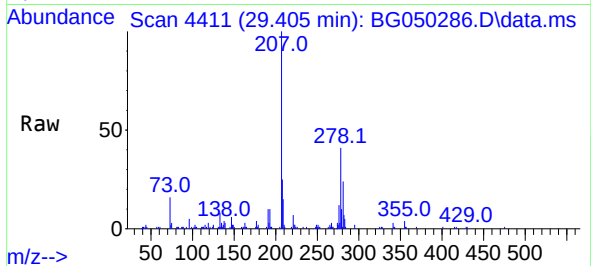
#95
Dibenzo(a,h)anthracene
Concen: 3.900 ng/ul m
RT: 29.405 min Scan# 4411
Delta R.T. -0.038 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion: 278 Resp: 59952
Ion Ratio Lower Upper
278 100
139 7.4 5.2 7.8
279 23.4 19.0 28.4

Instrument :
BNA_G
ClientSampleId :
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#96
Benzo(g,h,i)perylene
Concen: 3.811 ng/ul
RT: 30.568 min Scan# 4609
Delta R.T. -0.038 min
Lab File: BG050286.D
Acq: 28 Sep 2021 14:06

Tgt Ion: 276 Resp: 58163
Ion Ratio Lower Upper
276 100
138 12.8 8.6 13.0
277 19.7 17.4 26.0

