

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101521\
 Data File : BG050606.D
 Acq On : 15 Oct 2021 16:44
 Operator : CG/JU
 Sample : M4195-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAR-SOILPILE

Quant Time: Oct 15 18:12:08 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

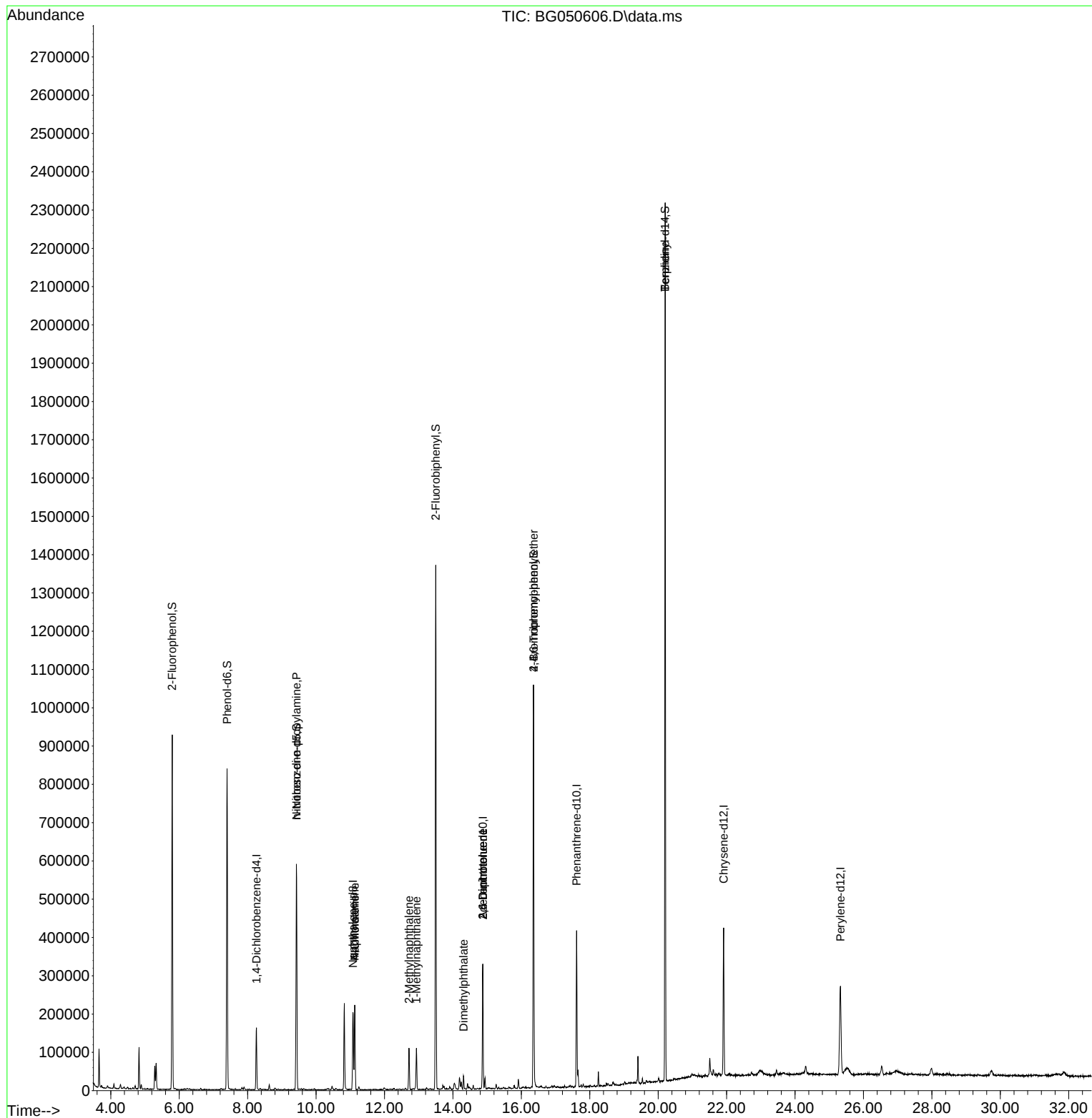
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.258	152	42316	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	170782	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	110905	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	250026	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	234016	20.000	ng	#-0.01
86) Perylene-d12	25.326	264	227507	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	369472	130.579	ng	0.00
7) Phenol-d6	7.400	99	462682	112.943	ng	0.00
23) Nitrobenzene-d5	9.427	82	379562	92.002	ng	0.00
42) 2,4,6-Tribromophenol	16.360	330	155363	146.868	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	670206	90.950	ng	0.00
79) Terphenyl-d14	20.203	244	988783	82.343	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.400	77	1344	Below Cal	#	37
19) n-Nitroso-di-n-propyla...	9.427	70	54438	18.232	ng	# 72
31) Naphthalene	11.131	128	179706	19.658	ng	98
33) 4-Chloroaniline	11.131	127	24113	6.287	ng	# 33
37) 2-Methylnaphthalene	12.718	142	47108	7.469	ng	94
38) 1-Methylnaphthalene	12.935	142	47559	7.776	ng	92
50) Dimethylphthalate	14.310	163	22382	2.670	ng	98
51) 2,6-Dinitrotoluene	14.874	165	15147	9.021	ng	# 13
57) 2,4-Dinitrotoluene	14.874	165	15147	6.400	ng	# 18
67) 4-Bromophenyl-phenylether	16.360	248	13064	5.185	ng	# 1
77) Benzidine	20.203	184	20349	2.683	ng	96

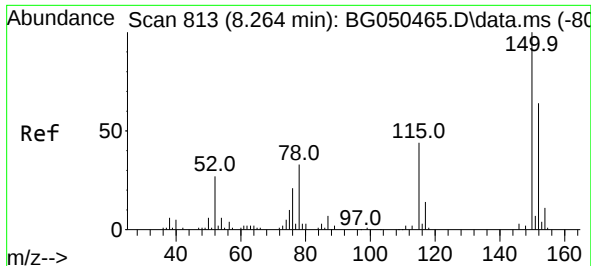
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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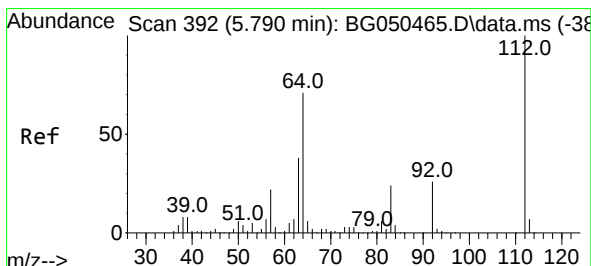
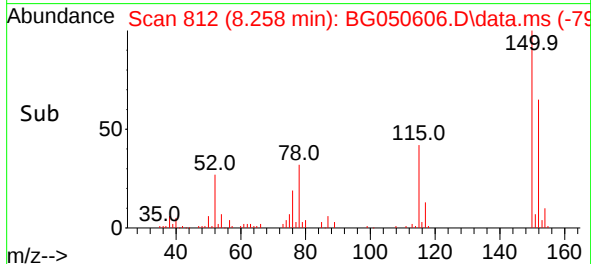
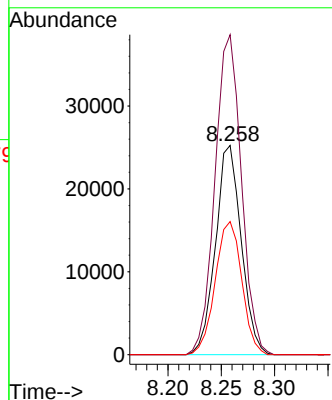
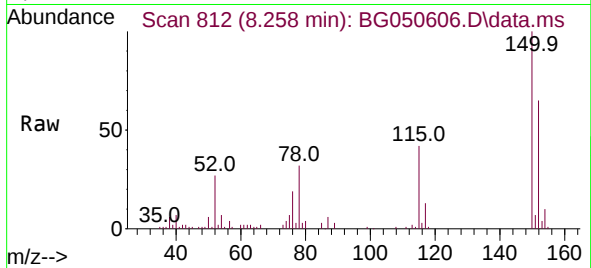




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.258 min Scan# 812
Delta R.T. 0.000 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

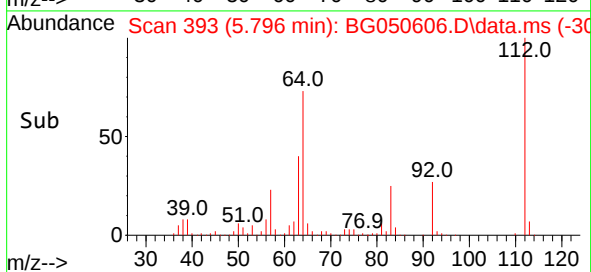
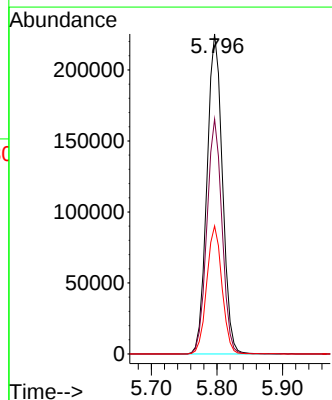
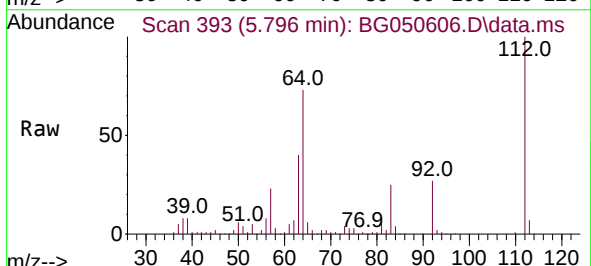
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE

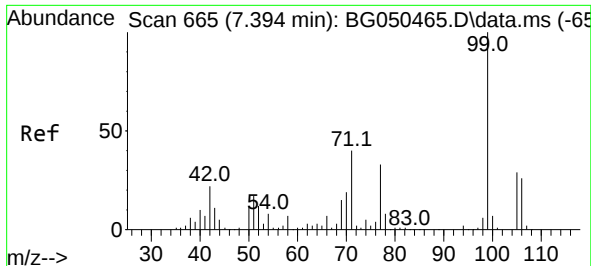
Tgt Ion:152 Resp: 42316
Ion Ratio Lower Upper
152 100
150 152.9 119.4 179.0
115 63.6 60.2 90.4



#5
2-Fluorophenol
Concen: 130.579 ng
RT: 5.796 min Scan# 393
Delta R.T. 0.006 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:112 Resp: 369472
Ion Ratio Lower Upper
112 100
64 73.4 46.7 70.1#
63 40.0 35.3 52.9

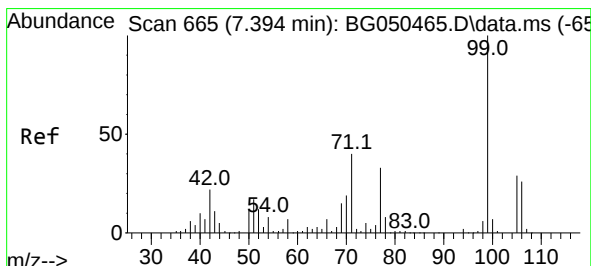
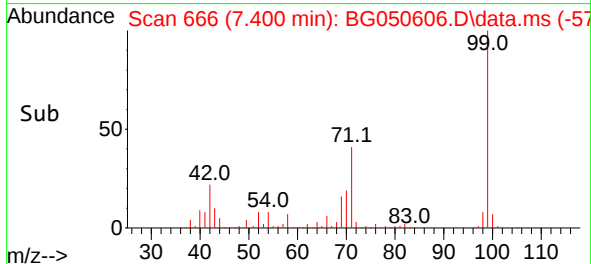
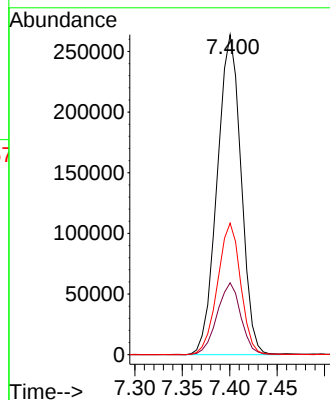
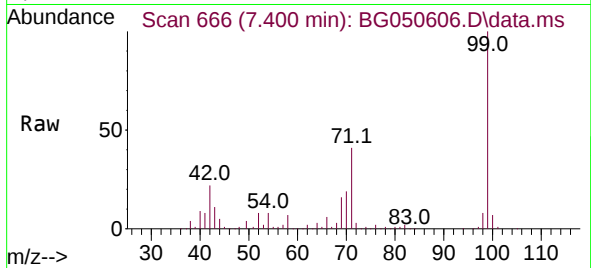




#7
Phenol-d6
Concen: 112.943 ng
RT: 7.400 min Scan# 666
Delta R.T. -0.000 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

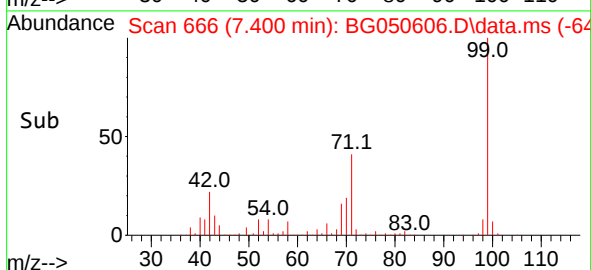
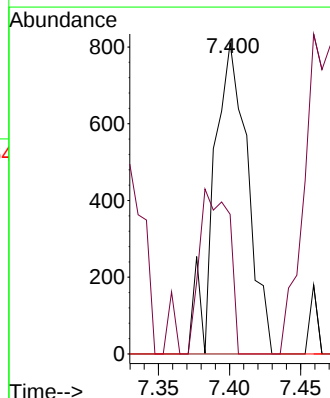
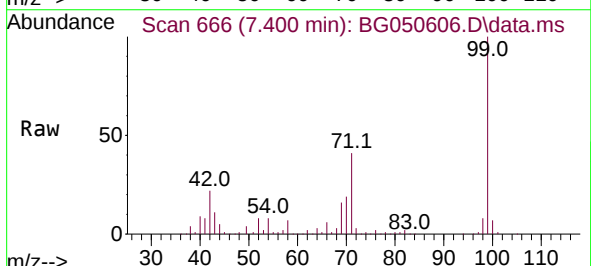
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE

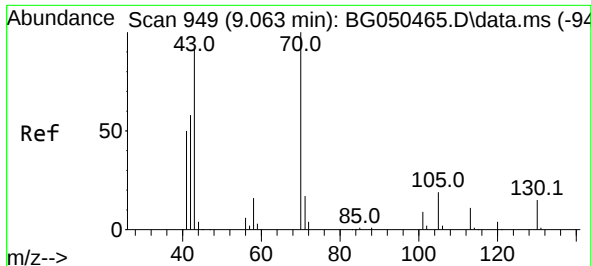
Tgt Ion: 99 Resp: 462682
Ion Ratio Lower Upper
99 100
42 22.5 20.5 30.7
71 41.1 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.400 min Scan# 666
Delta R.T. 0.012 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion: 77 Resp: 1344
Ion Ratio Lower Upper
77 100
105 44.9 68.8 108.8#
106 0.0 47.9 87.9#

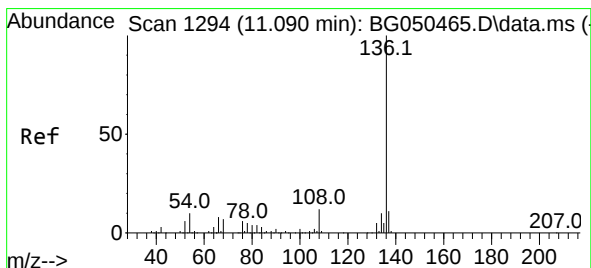
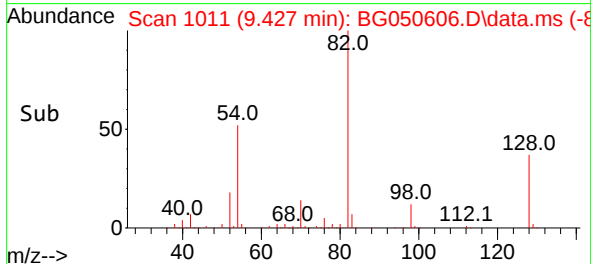
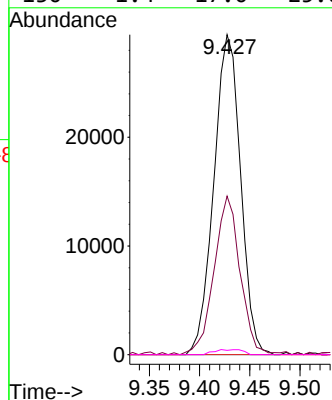
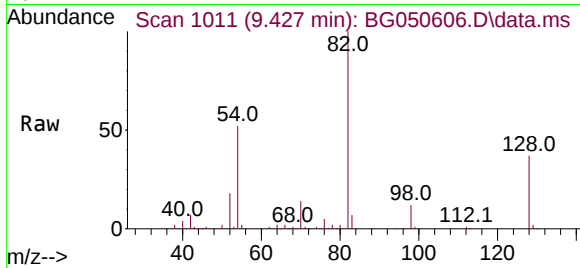




#19
n-Nitroso-di-n-propylamine
Concen: 18.232 ng
RT: 9.427 min Scan# 1011
Delta R.T. 0.370 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

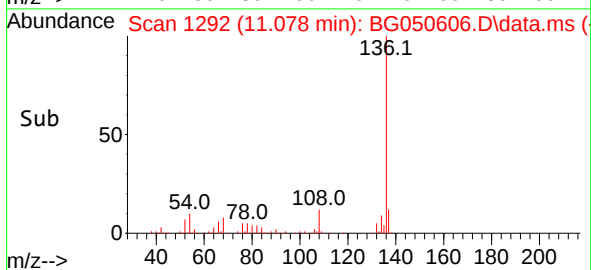
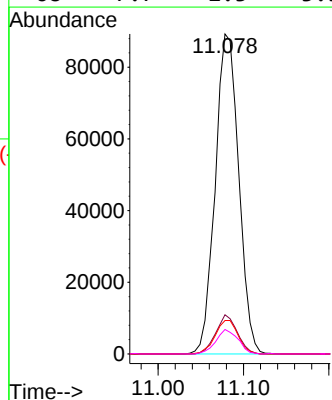
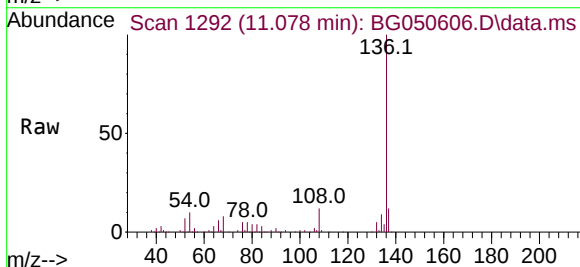
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE

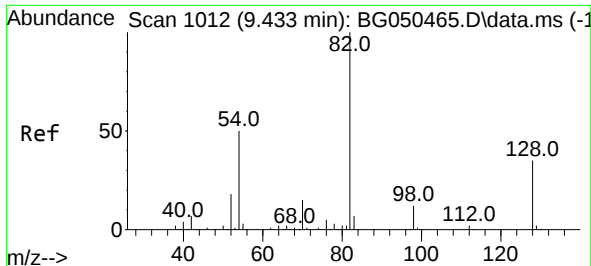
Tgt Ion: 70 Resp: 54438
Ion Ratio Lower Upper
70 100
42 49.6 54.5 81.7#
101 0.0 9.0 13.6#
130 1.4 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:136 Resp: 170782
Ion Ratio Lower Upper
136 100
137 12.2 8.2 12.2#
54 10.4 5.5 8.3#
68 7.7 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 92.002 ng

RT: 9.427 min Scan# 1011

Delta R.T. -0.000 min

Lab File: BG050606.D

Acq: 15 Oct 2021 16:44

Tgt Ion: 82 Resp: 379562

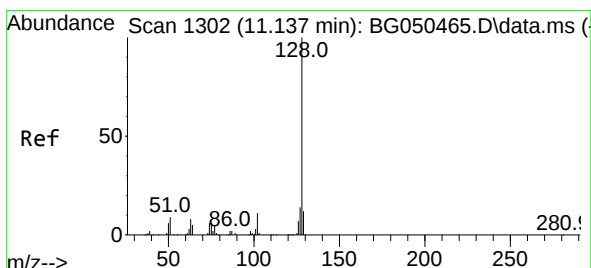
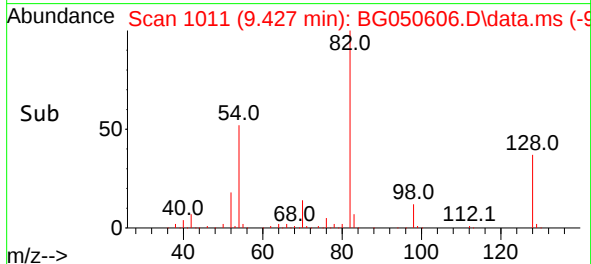
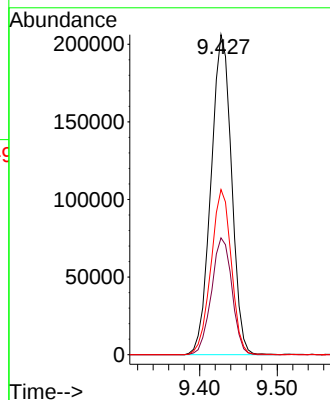
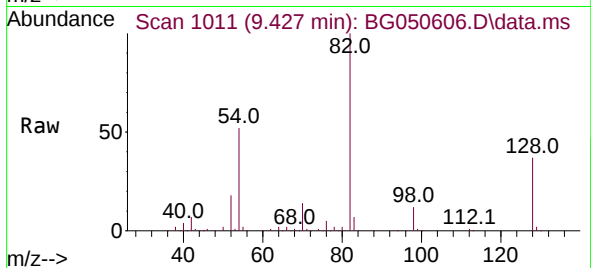
Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.8	44.6
54	51.6	45.8	68.8

Instrument :

BNA_G

ClientSampleId :

HAR-SOILPILE



#31

Naphthalene

Concen: 19.658 ng

RT: 11.131 min Scan# 1301

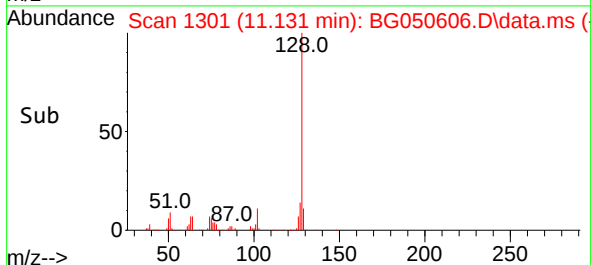
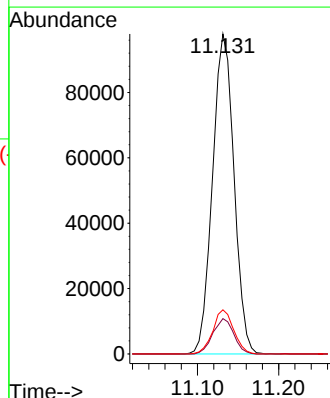
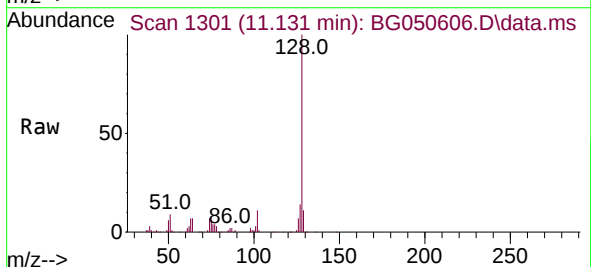
Delta R.T. -0.006 min

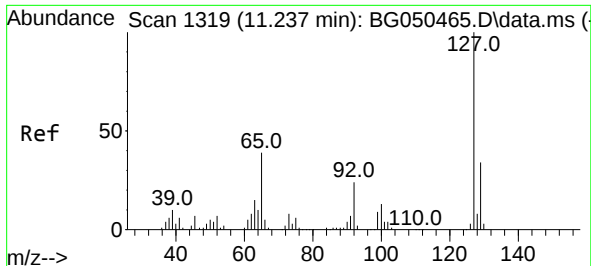
Lab File: BG050606.D

Acq: 15 Oct 2021 16:44

Tgt Ion: 128 Resp: 179706

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	13.8	10.2	15.4

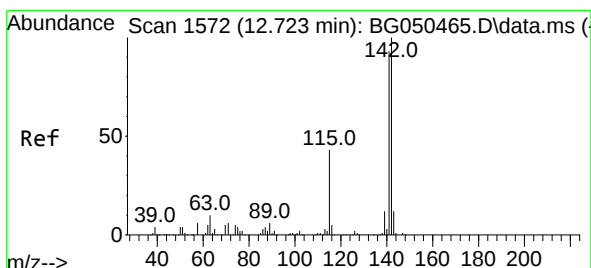
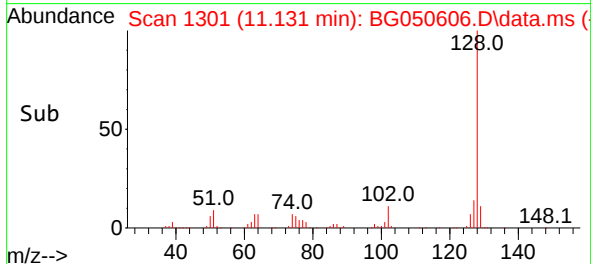
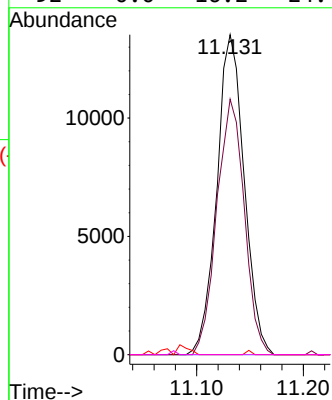
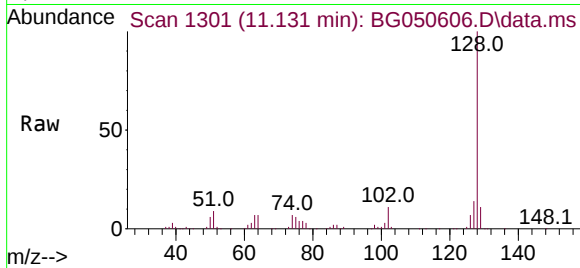




#33
4-Chloroaniline
Concen: 6.287 ng
RT: 11.131 min Scan# 1301
Delta R.T. -0.106 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

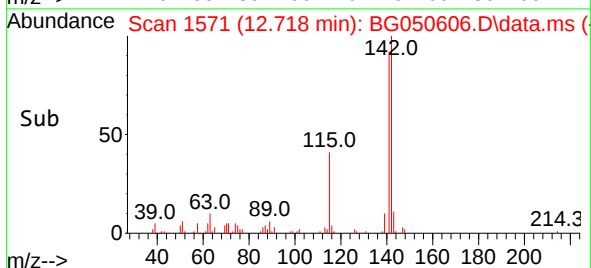
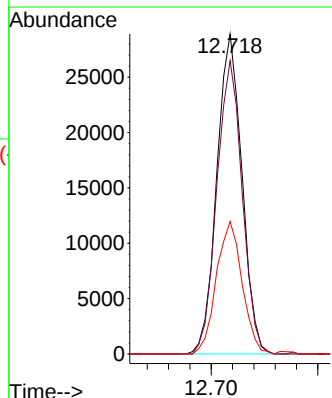
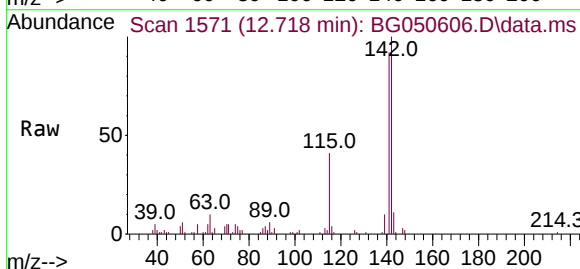
Instrument :
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ClientSampleId :
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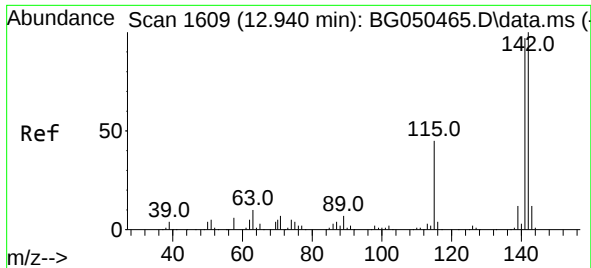
Tgt Ion:	127	Resp:	24113
Ion Ratio	Lower	Upper	
127	100		
129	79.8	26.7	40.1#
65	0.0	32.8	49.2#
92	0.0	16.2	24.4#



#37
2-Methylnaphthalene
Concen: 7.469 ng
RT: 12.718 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:	142	Resp:	47108
Ion Ratio	Lower	Upper	
142	100		
141	91.6	68.8	103.2
115	41.4	36.4	54.6

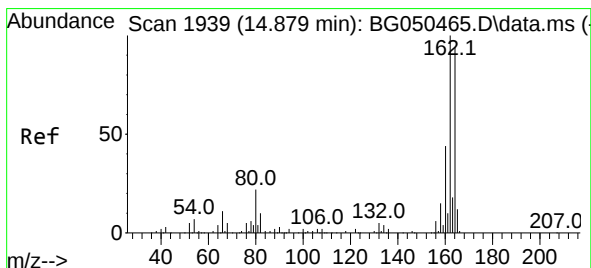
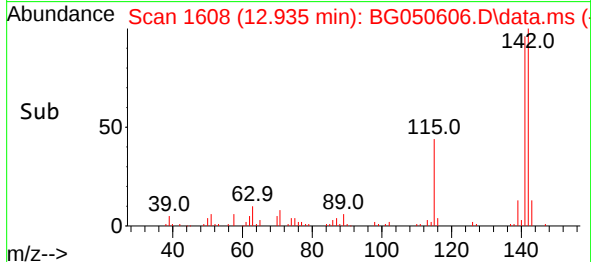
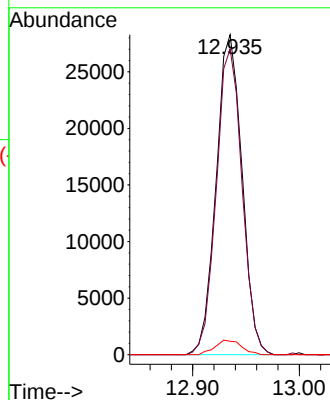
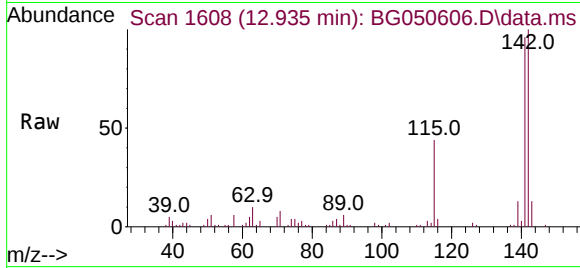




#38
1-Methylnaphthalene
Concen: 7.776 ng
RT: 12.935 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

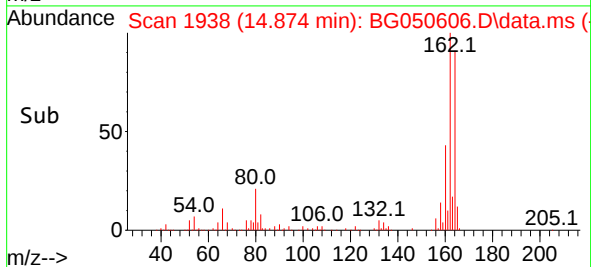
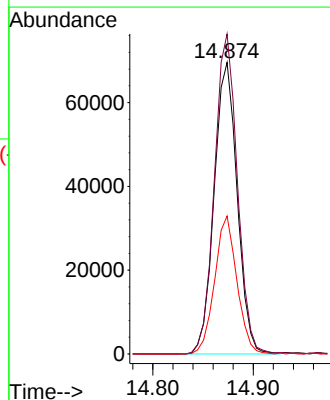
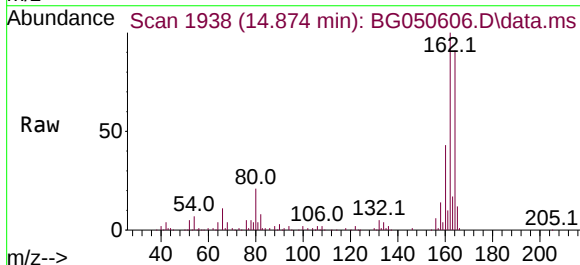
Instrument :
BNA_G
ClientSampled :
HAR-SOILPILE

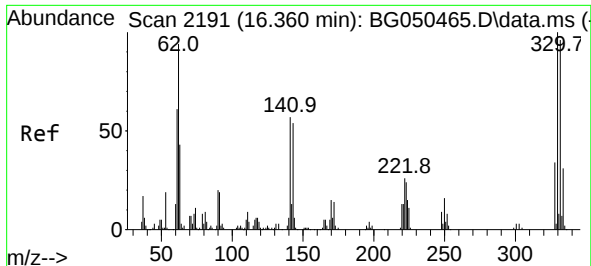
Tgt Ion:142 Resp: 47559
Ion Ratio Lower Upper
142 100
141 95.6 70.6 106.0
116 4.2 4.0 6.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:164 Resp: 110905
Ion Ratio Lower Upper
164 100
162 109.8 81.4 122.0
160 47.3 34.9 52.3

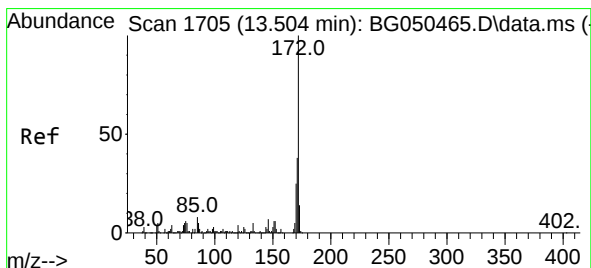
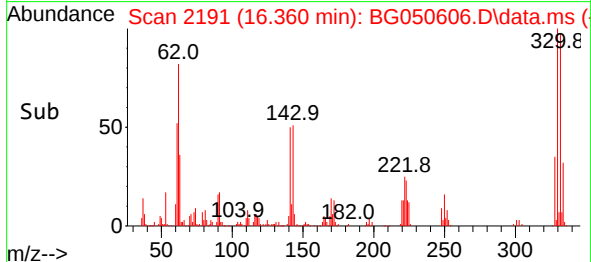
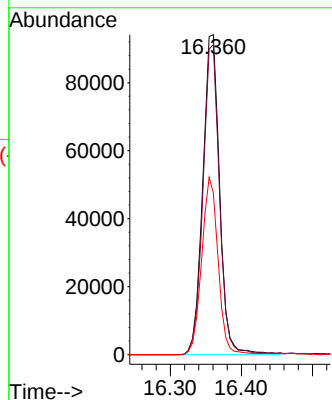
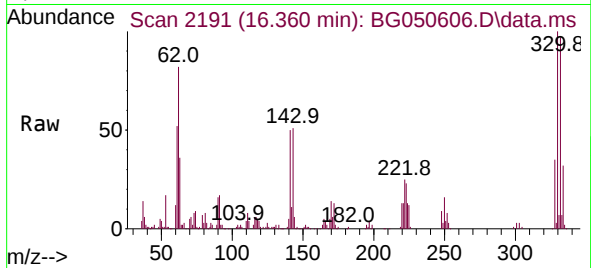




#42
2,4,6-Tribromophenol
Concen: 146.868 ng
RT: 16.360 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

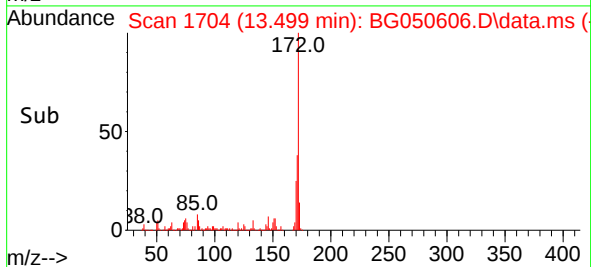
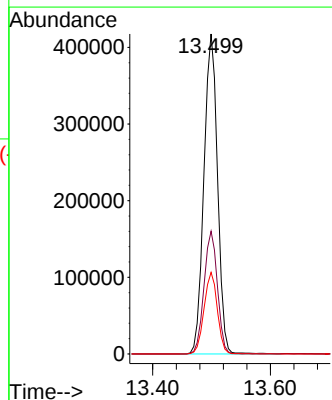
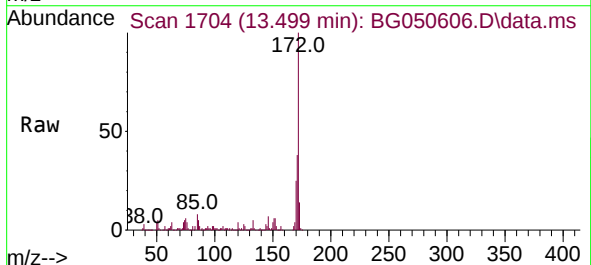
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE

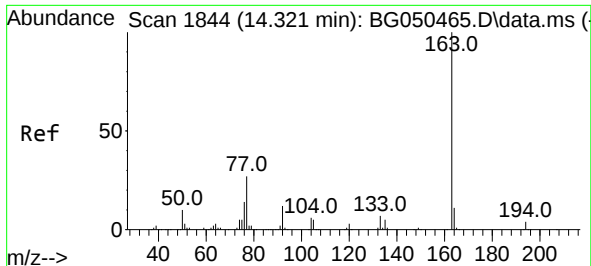
Tgt Ion:330 Resp: 155363
Ion Ratio Lower Upper
330 100
332 94.7 77.3 115.9
141 54.0 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 90.950 ng
RT: 13.499 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:172 Resp: 670206
Ion Ratio Lower Upper
172 100
171 38.4 28.6 43.0
170 25.5 18.6 27.8

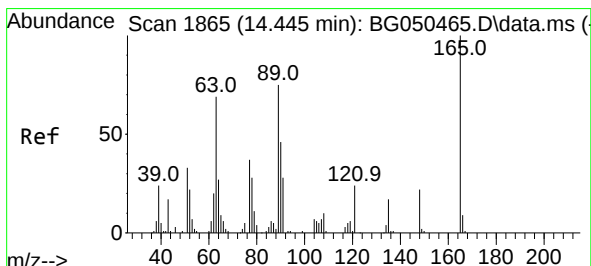
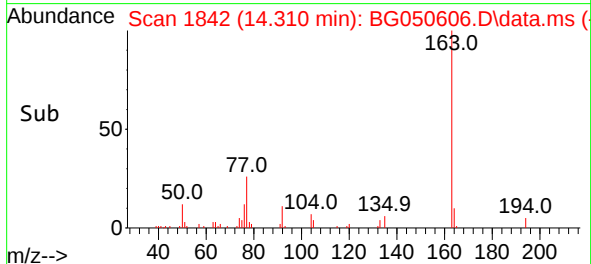
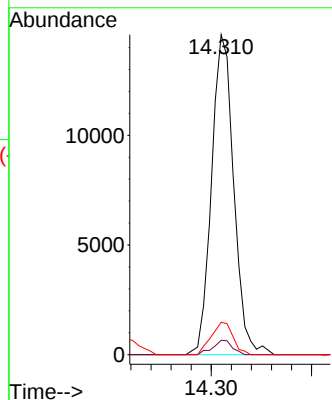
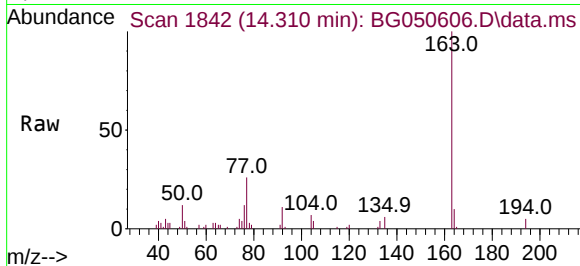




#50
Dimethylphthalate
Concen: 2.670 ng
RT: 14.310 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

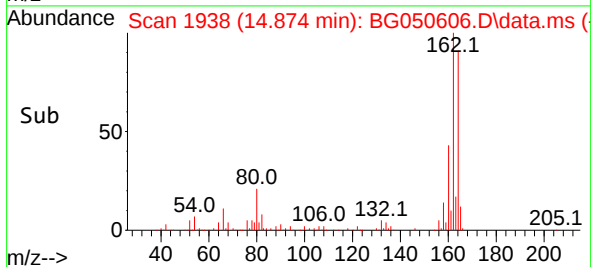
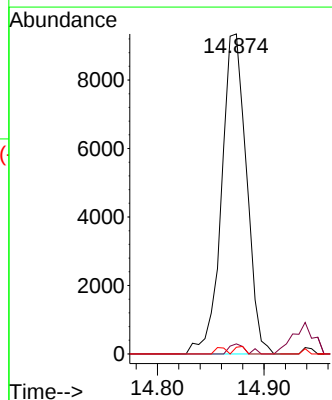
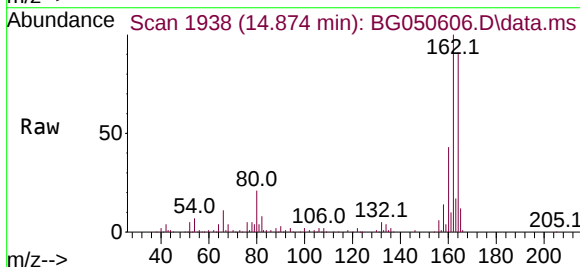
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE

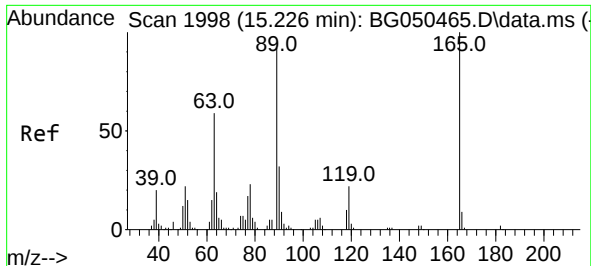
Tgt Ion:163 Resp: 22382
Ion Ratio Lower Upper
163 100
194 4.5 3.0 4.6
164 10.1 8.6 12.8



#51
2,6-Dinitrotoluene
Concen: 9.021 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.429 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:165 Resp: 15147
Ion Ratio Lower Upper
165 100
63 3.2 63.3 94.9#
89 2.1 63.4 95.0#

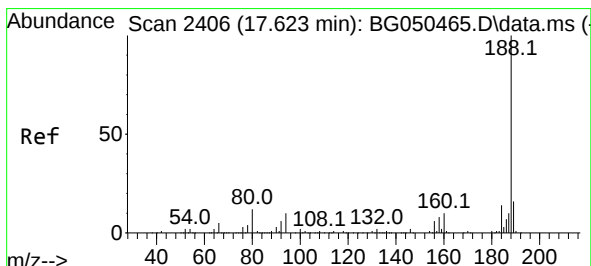
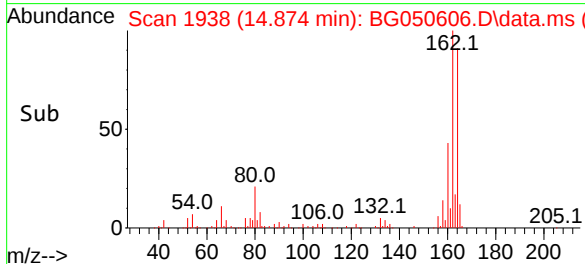
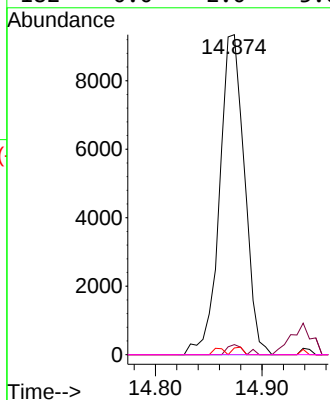
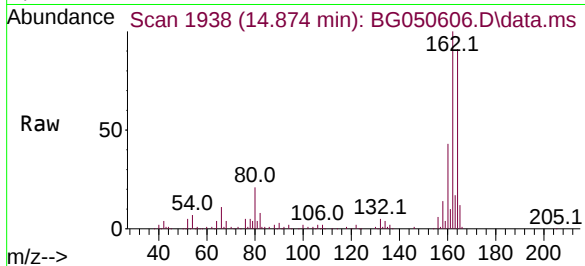




#57
2,4-Dinitrotoluene
Concen: 6.400 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.353 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

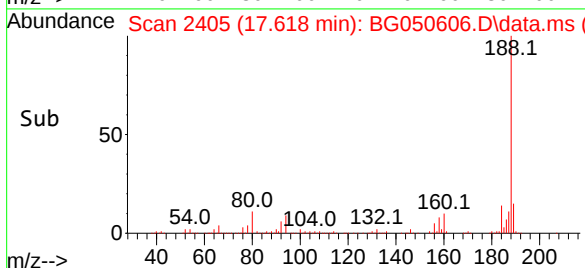
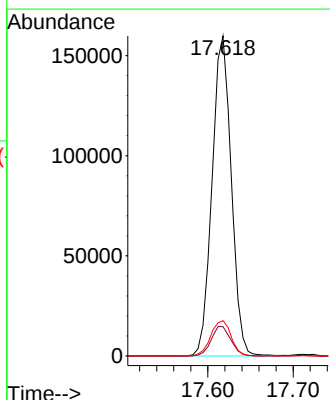
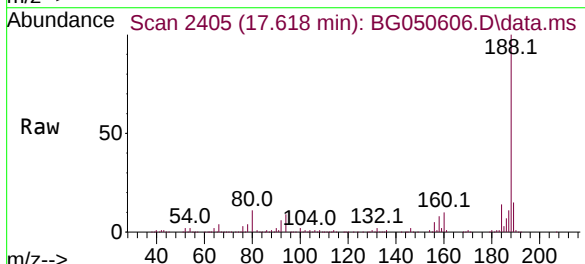
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE

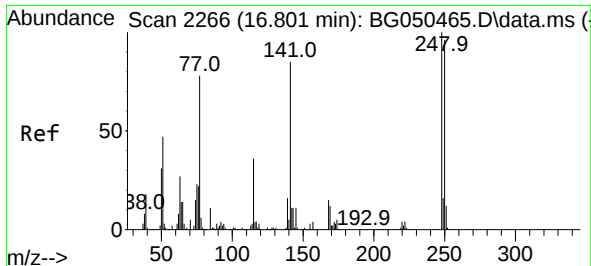
Tgt Ion:165	Resp:	15147
Ion Ratio	Lower	Upper
165	100	
63	3.2	48.0 72.0#
89	2.1	65.4 98.0#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:188	Resp:	250026
Ion Ratio	Lower	Upper
188	100	
94	9.2	5.4 8.0#
80	11.0	3.7 5.5#

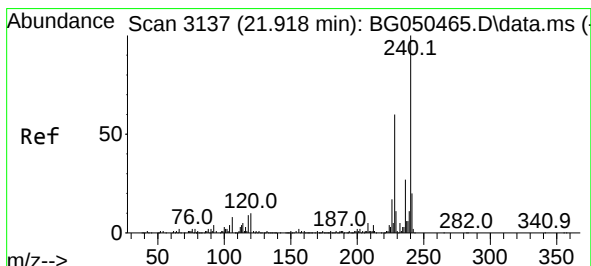
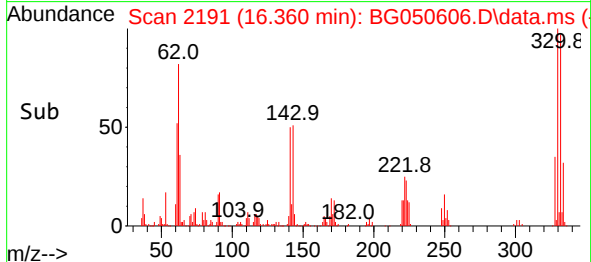
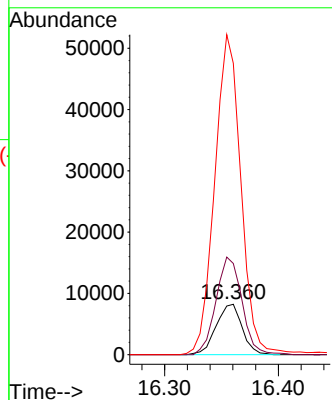
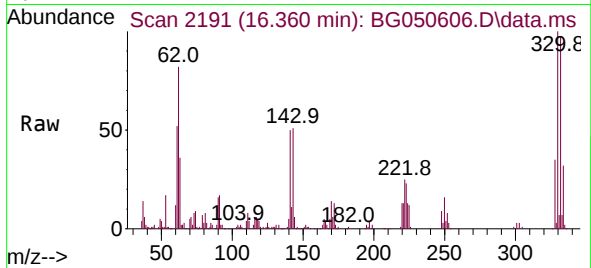




#67
4-Bromophenyl-phenylether
Concen: 5.185 ng
RT: 16.360 min Scan# 2191
Delta R.T. -0.441 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

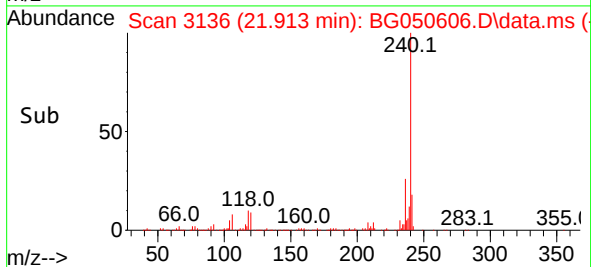
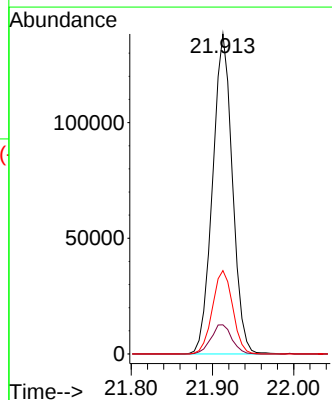
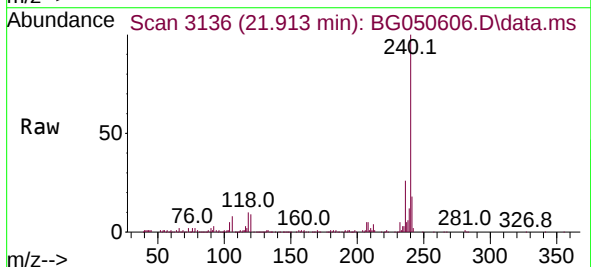
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE

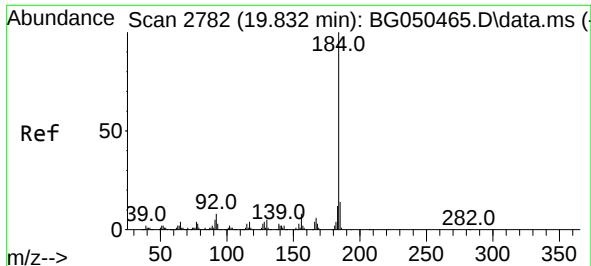
Tgt Ion:248 Resp: 13064
Ion Ratio Lower Upper
248 100
250 180.7 76.1 114.1#
141 577.4 65.4 98.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3136
Delta R.T. -0.012 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:240 Resp: 234016
Ion Ratio Lower Upper
240 100
120 9.1 4.2 6.2#
236 26.1 21.8 32.6

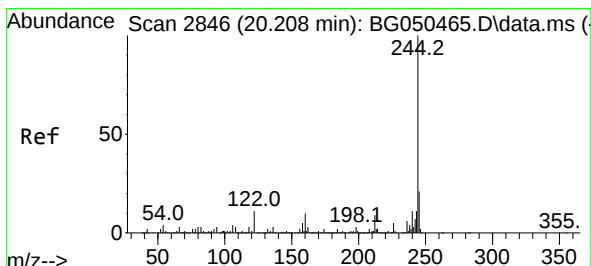
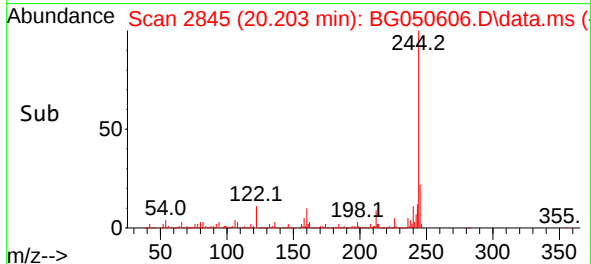
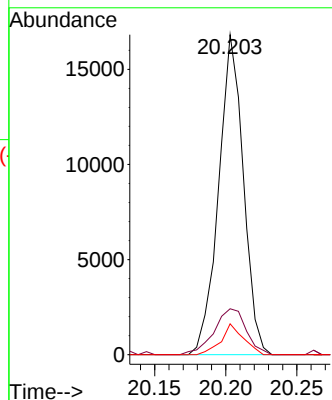
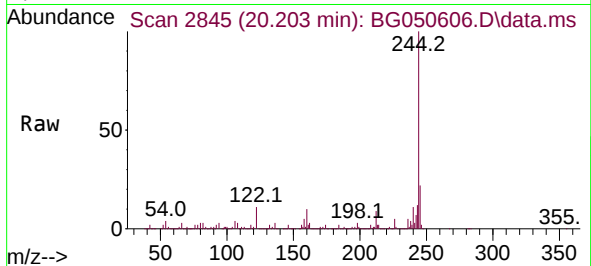




#77
Benzidine
Concen: 2.683 ng
RT: 20.203 min Scan# 2845
Delta R.T. 0.370 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

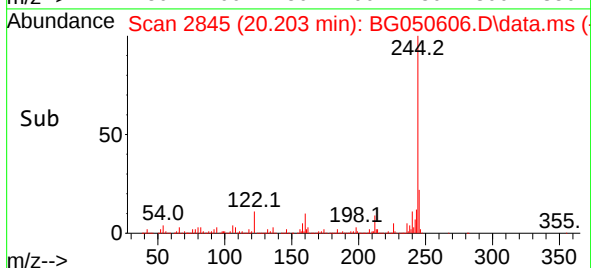
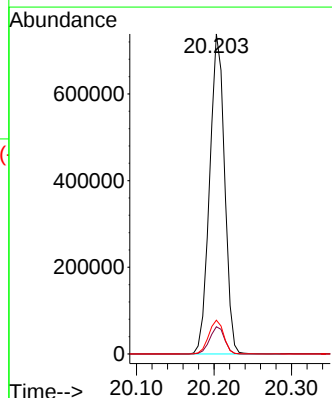
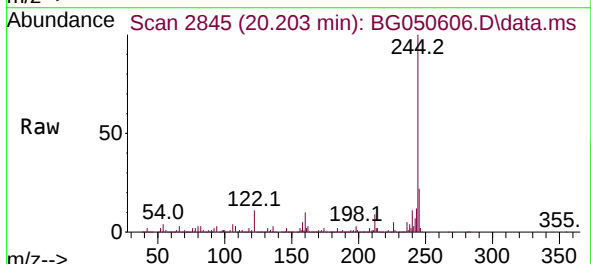
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE

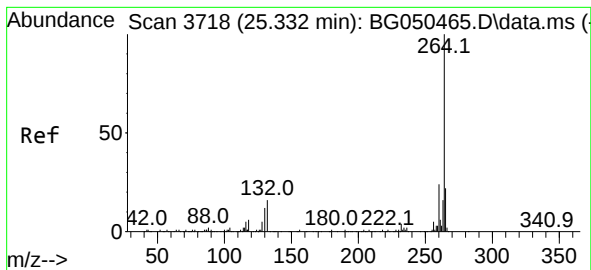
Tgt Ion:184 Resp: 20349
Ion Ratio Lower Upper
184 100
185 14.4 10.7 16.1
183 9.6 9.4 14.0



#79
Terphenyl-d14
Concen: 82.343 ng
RT: 20.203 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG050606.D
Acq: 15 Oct 2021 16:44

Tgt Ion:244 Resp: 988783
Ion Ratio Lower Upper
244 100
212 8.5 6.9 10.3
122 10.5 5.0 7.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.326 min Scan# 3717
 Delta R.T. -0.006 min
 Lab File: BG050606.D
 Acq: 15 Oct 2021 16:44

Instrument :
 BNA_G
 ClientSampleId :
 HAR-SOILPILE

Tgt Ion:264 Resp: 227507
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.2
 265 21.6 16.9 25.3

