

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042621\
 Data File : BG048885.D
 Acq On : 26 Apr 2021 19:34
 Operator : CG/JU
 Sample : M2170-18
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AN-1

Quant Time: Apr 27 01:16:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 26 13:36:49 2021
 Response via : Initial Calibration

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

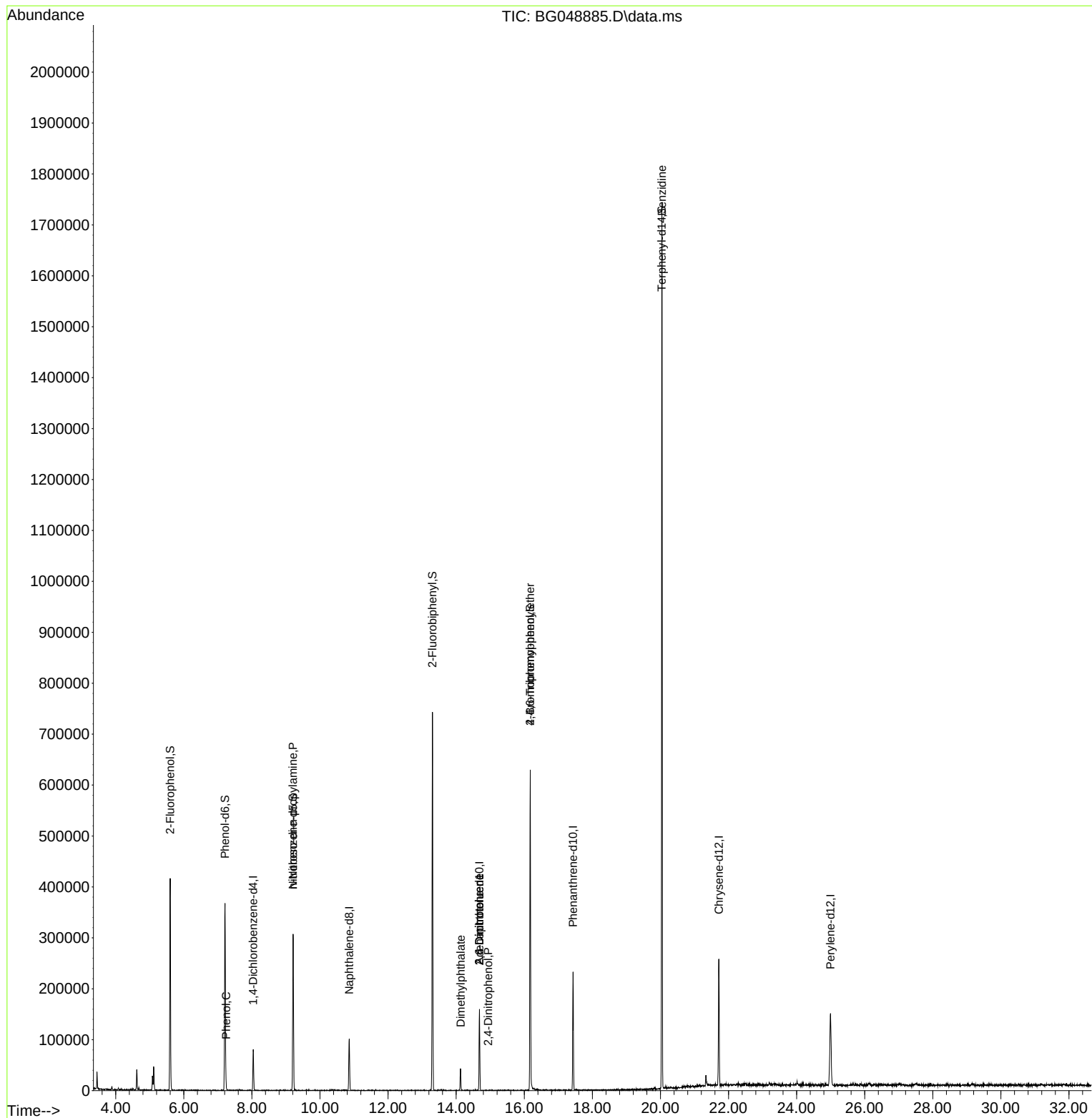
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.038	152	18749	20.00	ng	-0.02
21) Naphthalene-d8	10.859	136	82448	20.00	ng	#-0.03
39) Acenaphthene-d10	14.684	164	54594	20.00	ng	-0.04
64) Phenanthrene-d10	17.433	188	139455	20.00	ng	#-0.05
76) Chrysene-d12	21.717	240	149827	20.00	ng	#-0.06
86) Perylene-d12	24.995	264	143909	20.00	ng	-0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.600	112	153759	137.16	ng	0.00
7) Phenol-d6	7.210	99	179689	113.32	ng	-0.01
23) Nitrobenzene-d5	9.208	82	170550	92.61	ng	-0.03
42) 2,4,6-Tribromophenol	16.176	330	107292	146.58	ng	-0.04
45) 2-Fluorobiphenyl	13.303	172	353748	93.57	ng	-0.04
79) Terphenyl-d14	20.042	244	773237	88.82	ng	-0.05
Target Compounds						
10) Phenol	7.245	94	6072	3.89	ng	# 71
19) n-Nitroso-di-n-propyla...	9.208	70	28313	26.47	ng	# 78
50) Dimethylphthalate	14.131	163	26054	6.36	ng	# 95
51) 2,6-Dinitrotoluene	14.684	165	7158	7.58	ng	# 10
54) 2,4-Dinitrophenol	14.942	184	80	5.41	ng	# 8
57) 2,4-Dinitrotoluene	14.684	165	7158	5.22	ng	# 15
67) 4-Bromophenyl-phenylether	16.176	248	8179	5.10	ng	# 1
77) Benzidine	20.048	184	14530	3.57	ng	# 92

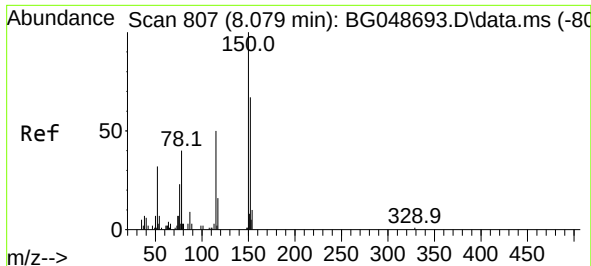
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 26 13:36:49 2021
Response via : Initial Calibration

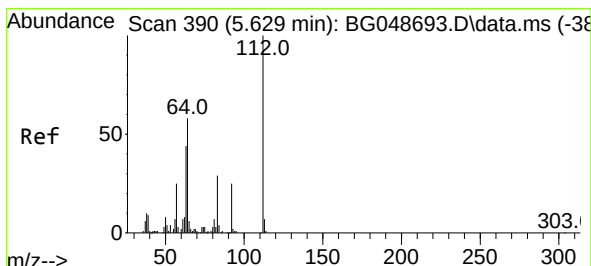
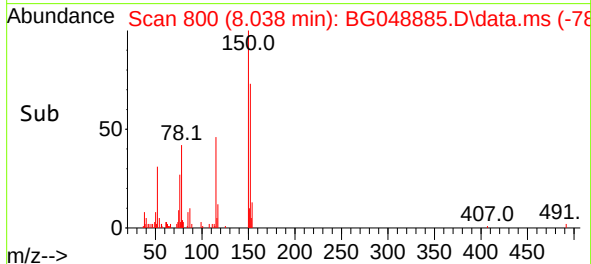
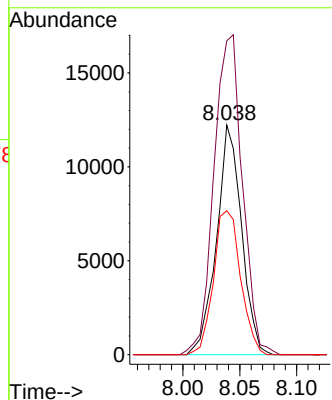
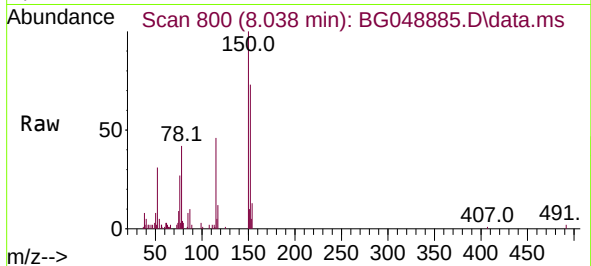




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.038 min Scan# 800
Delta R.T. -0.023 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

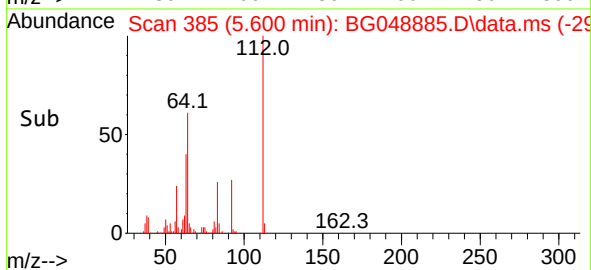
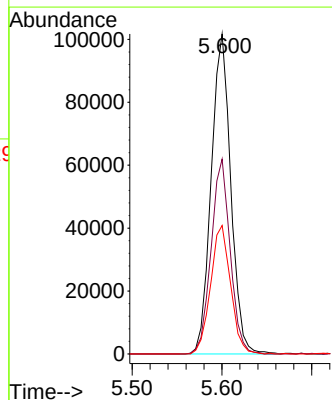
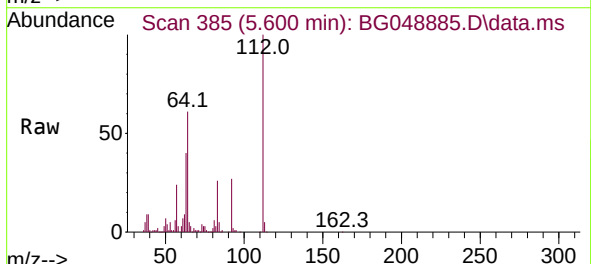
Instrument :
BNA_G
ClientSampleId :
AN-1

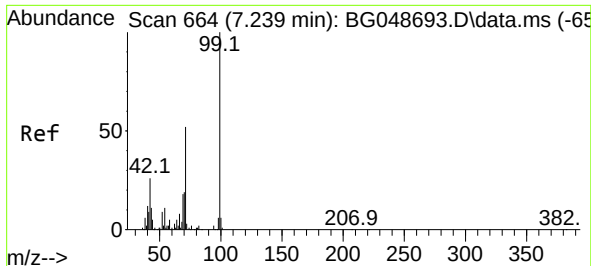
Tgt Ion:152 Resp: 18749
Ion Ratio Lower Upper
152 100
150 136.6 119.4 179.0
115 62.7 60.2 90.4



#5
2-Fluorophenol
Concen: 137.16 ng
RT: 5.600 min Scan# 385
Delta R.T. -0.005 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Tgt Ion:112 Resp: 153759
Ion Ratio Lower Upper
112 100
64 60.9 46.7 70.1
63 40.1 35.3 52.9

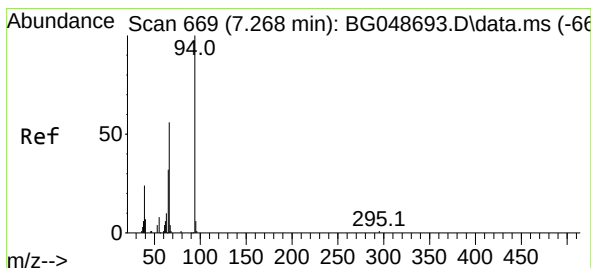
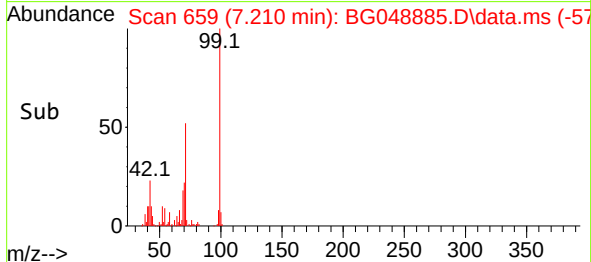
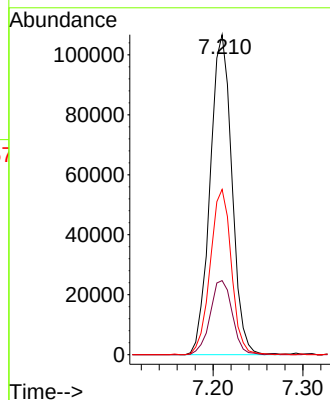
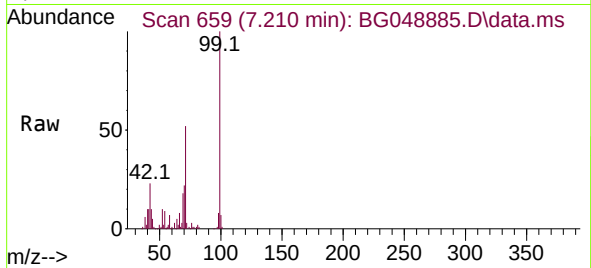




#7
Phenol-d6
Concen: 113.32 ng
RT: 7.210 min Scan# 659
Delta R.T. -0.011 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

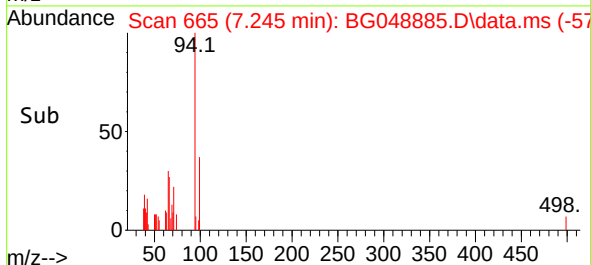
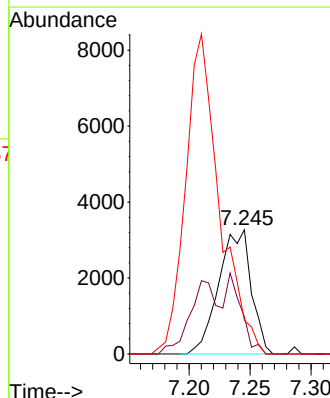
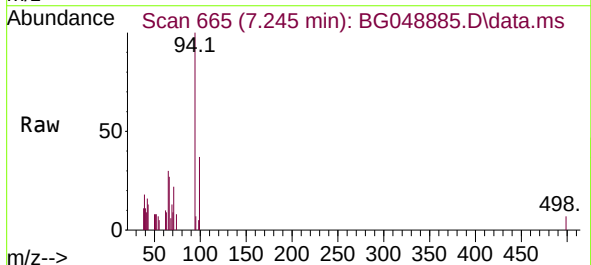
Instrument :
BNA_G
ClientSampled :
AN-1

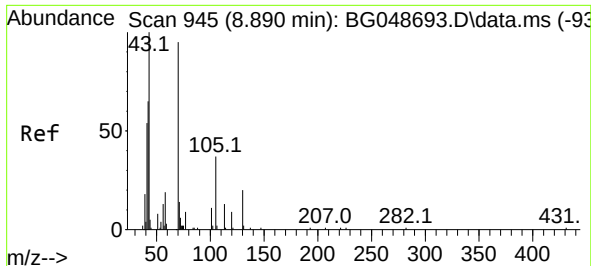
Tgt Ion: 99 Resp: 179689
Ion Ratio Lower Upper
99 100
42 23.2 20.5 30.7
71 51.7 41.5 62.3



#10
Phenol
Concen: 3.89 ng
RT: 7.245 min Scan# 665
Delta R.T. -0.005 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

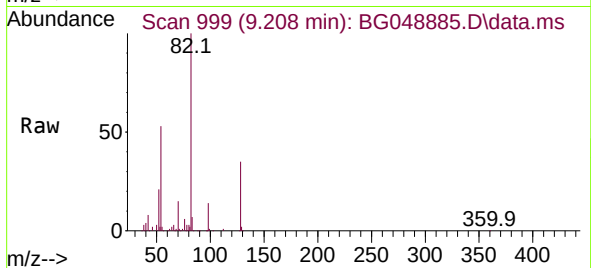
Tgt Ion: 94 Resp: 6072
Ion Ratio Lower Upper
94 100
65 30.1 12.9 52.9
66 27.0 39.4 79.4#



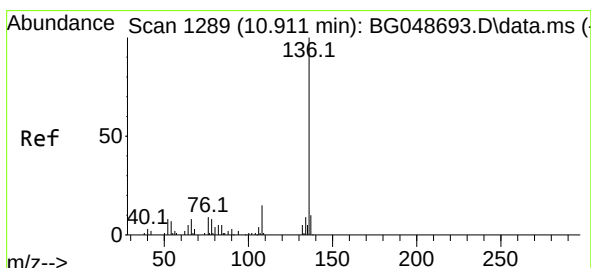
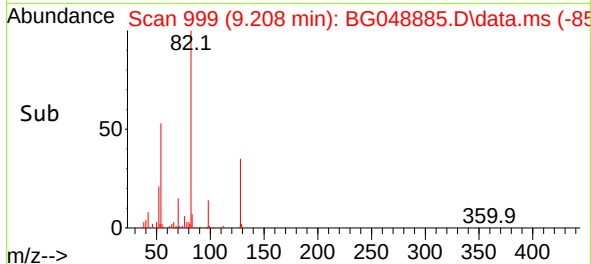
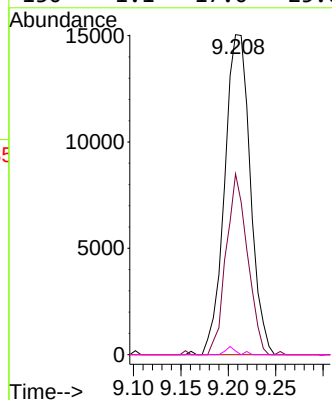


#19
n-Nitroso-di-n-propylamine
Concen: 26.47 ng
RT: 9.208 min Scan# 999
Delta R.T. 0.336 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Instrument :
BNA_G
ClientSampled :
AN-1

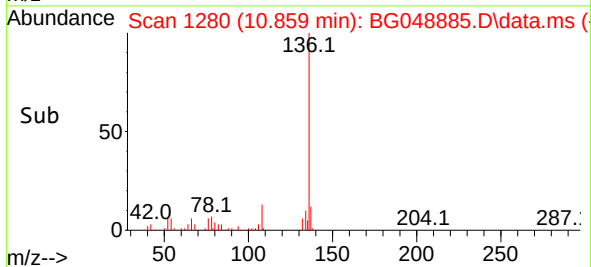
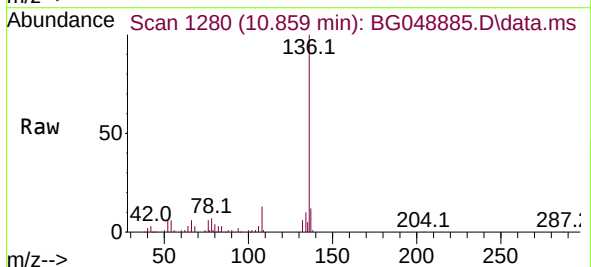
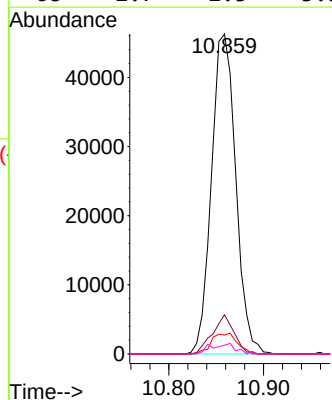


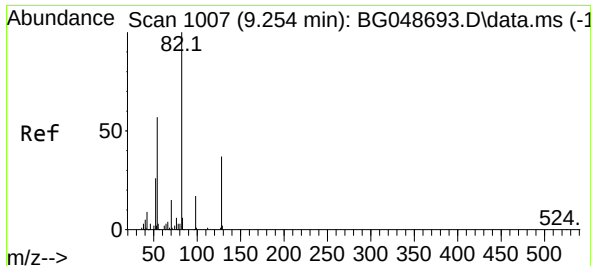
Tgt Ion: 70 Resp: 28313
Ion Ratio Lower Upper
70 100
42 56.5 54.5 81.7
101 0.0 9.0 13.6#
130 1.1 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.859 min Scan# 1280
Delta R.T. -0.034 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Tgt Ion: 136 Resp: 82448
Ion Ratio Lower Upper
136 100
137 12.3 8.2 12.2#
54 5.9 5.5 8.3
68 2.7 2.3 3.5

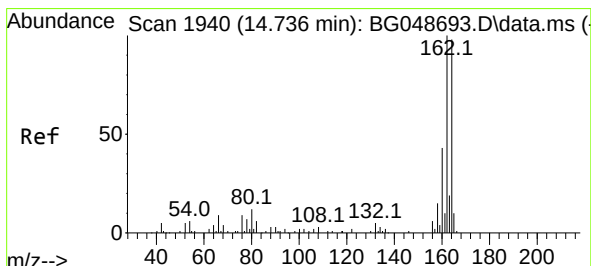
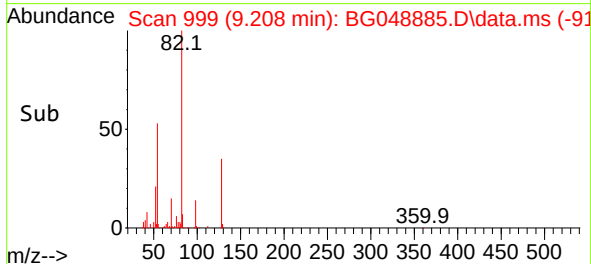
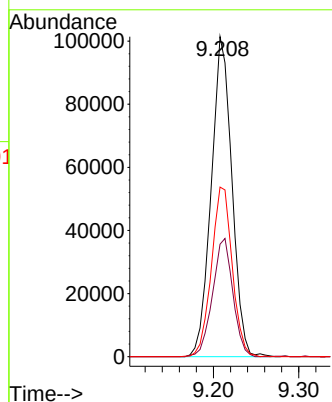
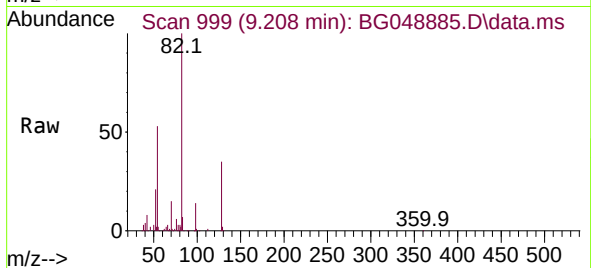




#23
Nitrobenzene-d5
Concen: 92.61 ng
RT: 9.208 min Scan# 999
Delta R.T. -0.029 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

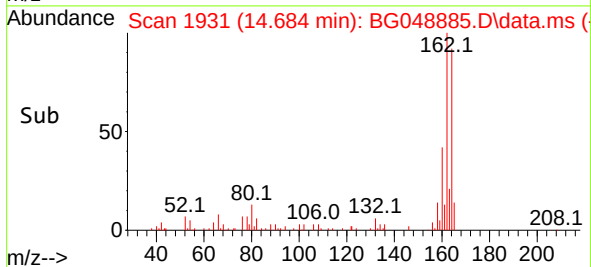
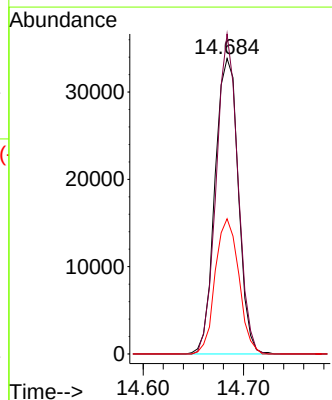
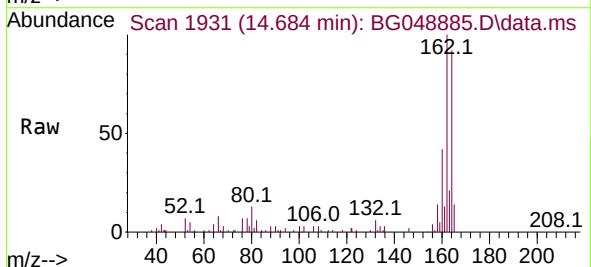
Instrument :
BNA_G
ClientSampled :
AN-1

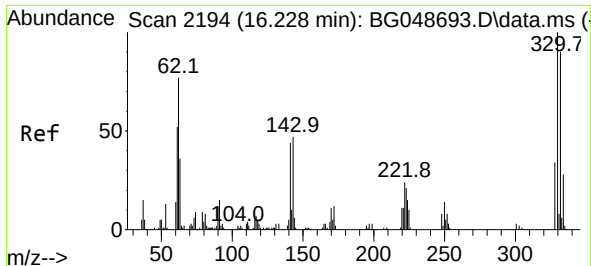
Tgt Ion: 82 Resp: 170550
Ion Ratio Lower Upper
82 100
128 35.2 29.8 44.6
54 53.0 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.684 min Scan# 1931
Delta R.T. -0.040 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Tgt Ion: 164 Resp: 54594
Ion Ratio Lower Upper
164 100
162 108.3 81.4 122.0
160 45.8 34.9 52.3

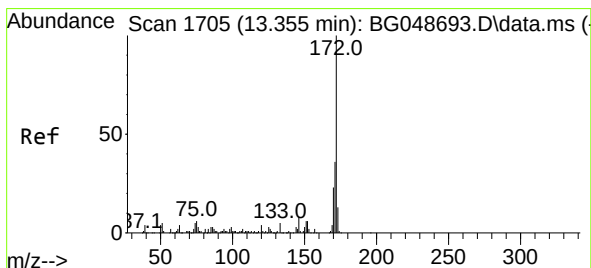
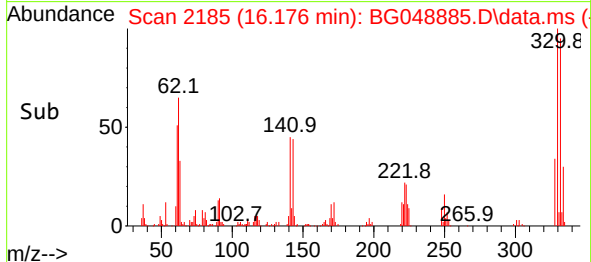
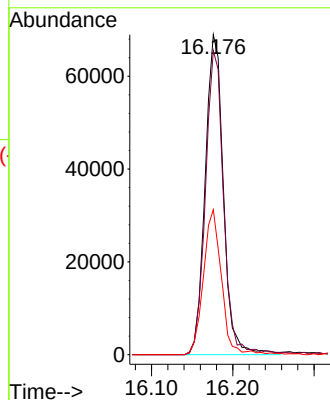
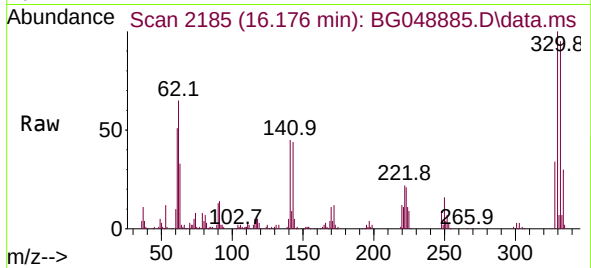




#42
2,4,6-Tribromophenol
Concen: 146.58 ng
RT: 16.176 min Scan# 2185
Delta R.T. -0.040 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

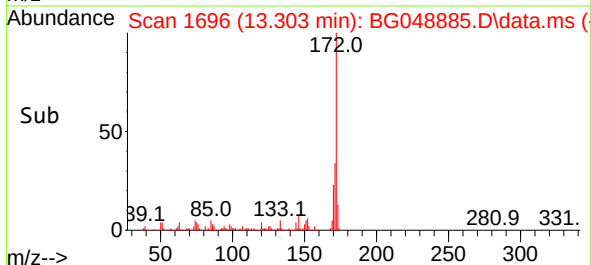
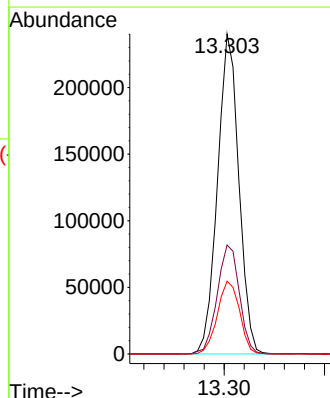
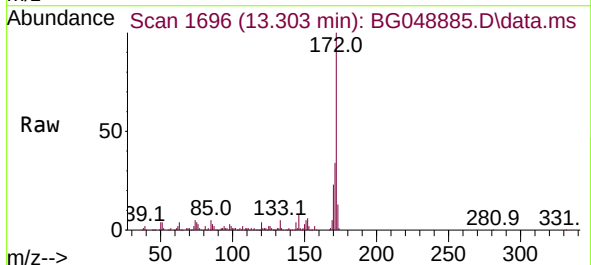
Instrument :
BNA_G
ClientSampled :
AN-1

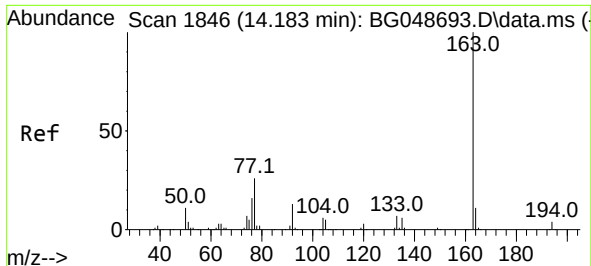
Tgt Ion:330 Resp: 107292
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 45.2 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 93.57 ng
RT: 13.303 min Scan# 1696
Delta R.T. -0.040 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Tgt Ion:172 Resp: 353748
Ion Ratio Lower Upper
172 100
171 34.1 28.6 43.0
170 22.7 18.6 27.8

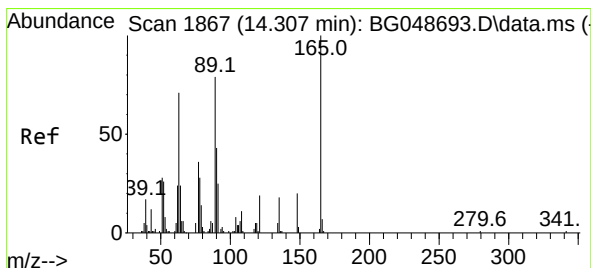
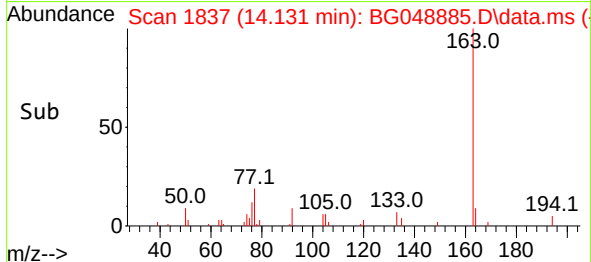
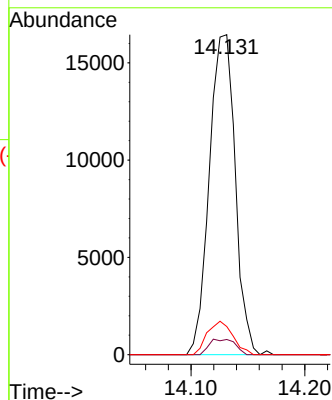
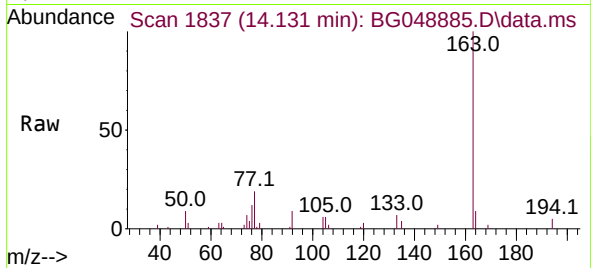




#50
Dimethylphthalate
Concen: 6.36 ng
RT: 14.131 min Scan# 1837
Delta R.T. -0.040 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

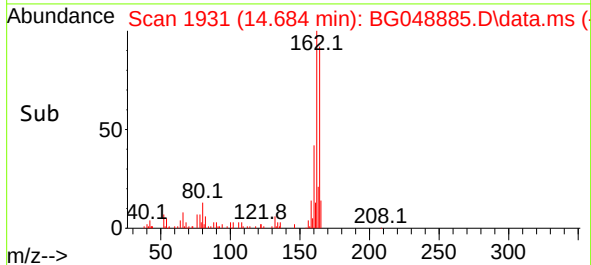
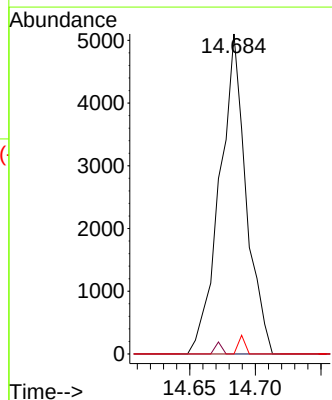
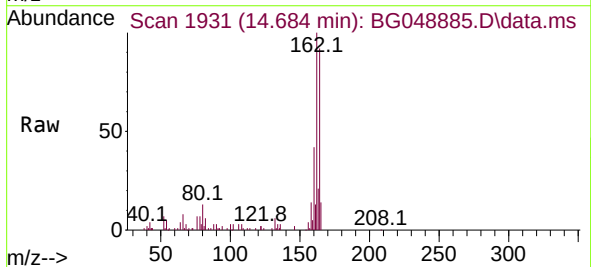
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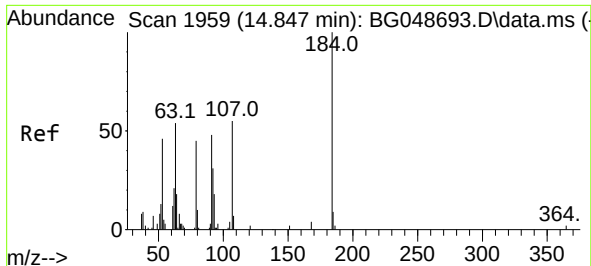
Tgt Ion:163 Resp: 26054
Ion Ratio Lower Upper
163 100
194 4.8 3.0 4.6#
164 8.8 8.6 12.8



#51
2,6-Dinitrotoluene
Concen: 7.58 ng
RT: 14.684 min Scan# 1931
Delta R.T. 0.389 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Tgt Ion:165 Resp: 7158
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#

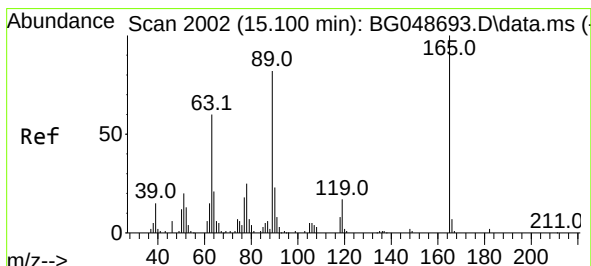
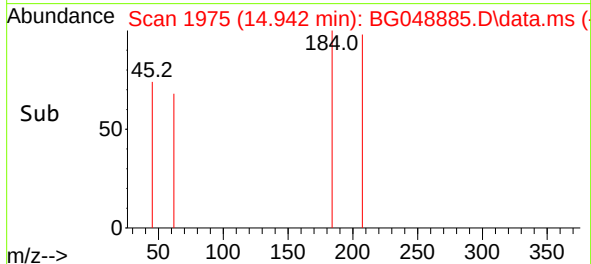
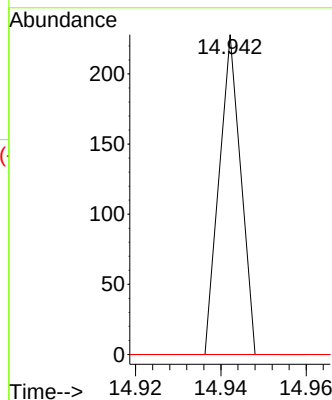
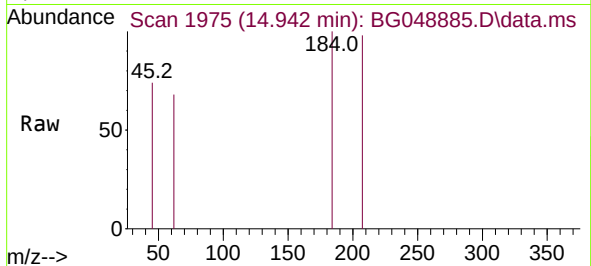




#54
2,4-Dinitrophenol
Concen: 5.41 ng
RT: 14.942 min Scan# 1975
Delta R.T. 0.106 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

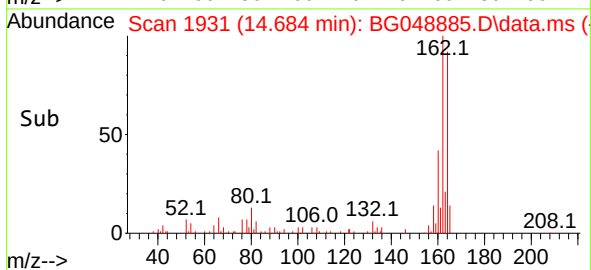
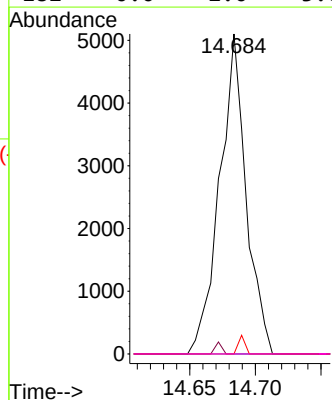
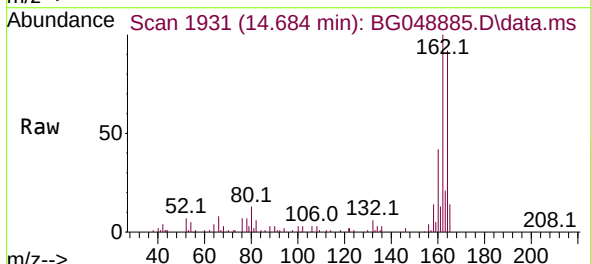
Instrument :
BNA_G
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AN-1

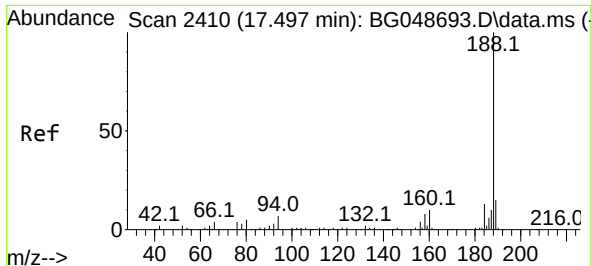
Tgt Ion:184 Resp: 80
Ion Ratio Lower Upper
184 100
63 0.0 68.3 102.5#
154 0.0 62.6 93.8#



#57
2,4-Dinitrotoluene
Concen: 5.22 ng
RT: 14.684 min Scan# 1931
Delta R.T. -0.399 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Tgt Ion:165 Resp: 7158
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

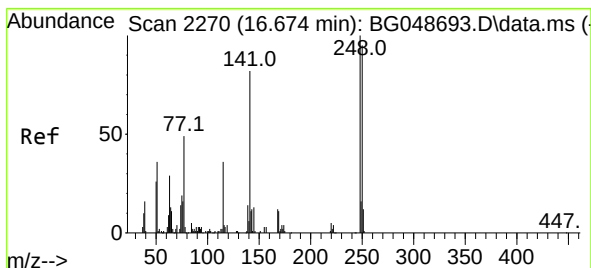
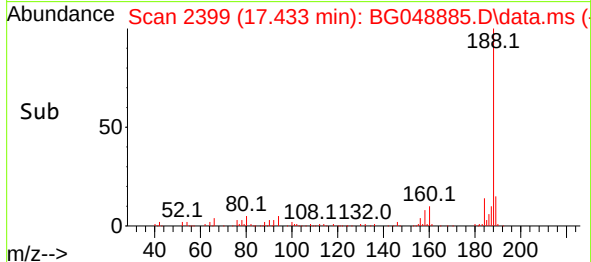
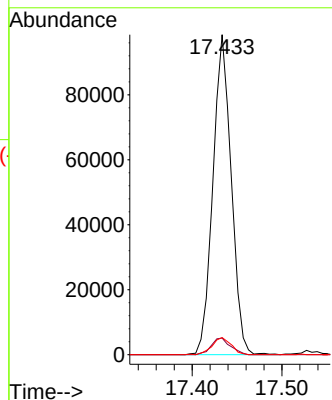
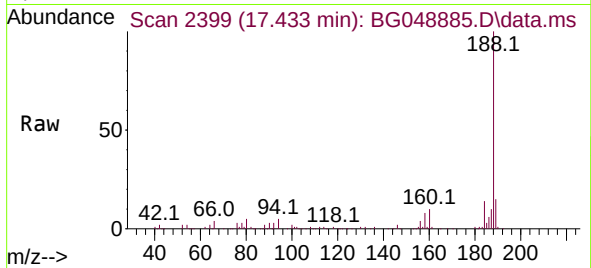




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.433 min Scan# 2399
Delta R.T. -0.046 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

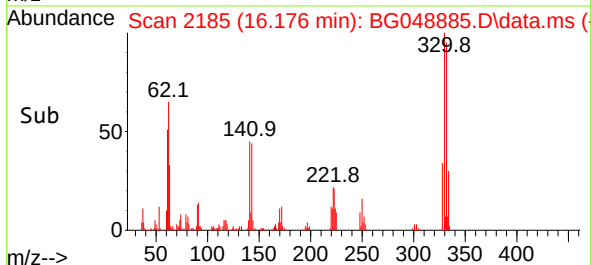
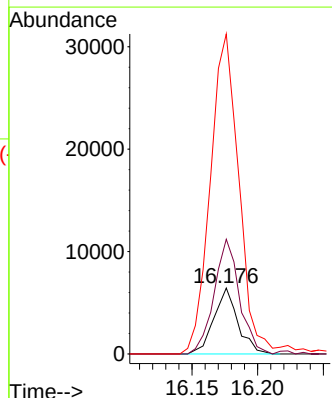
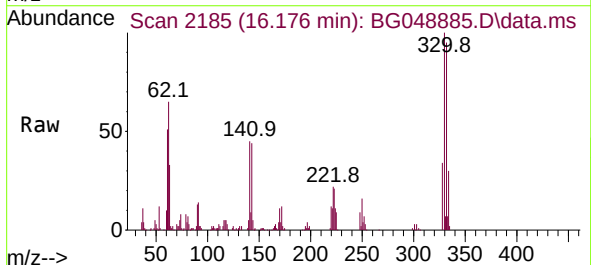
Instrument :
BNA_G
ClientSampled :
AN-1

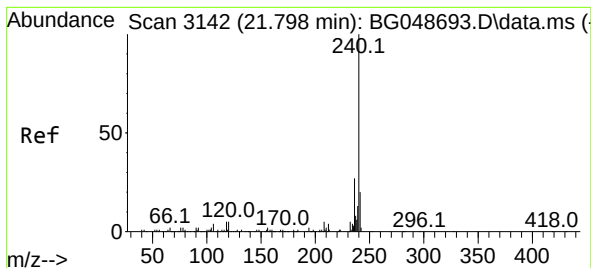
Tgt Ion:188 Resp: 139455
Ion Ratio Lower Upper
188 100
94 5.2 5.4 8.0#
80 5.4 3.7 5.5



#67
4-Bromophenyl-phenylether
Concen: 5.10 ng
RT: 16.176 min Scan# 2185
Delta R.T. -0.487 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Tgt Ion:248 Resp: 8179
Ion Ratio Lower Upper
248 100
250 174.2 76.1 114.1#
141 485.7 65.4 98.2#

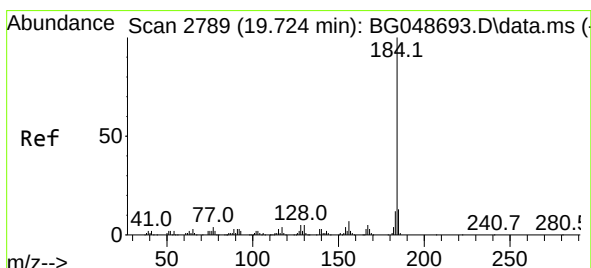
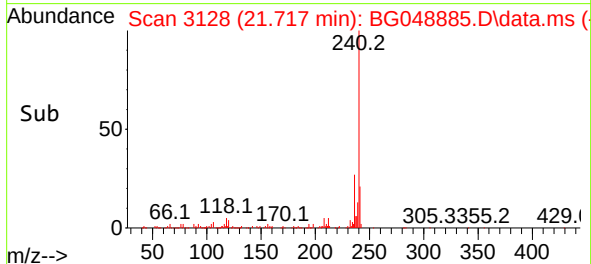
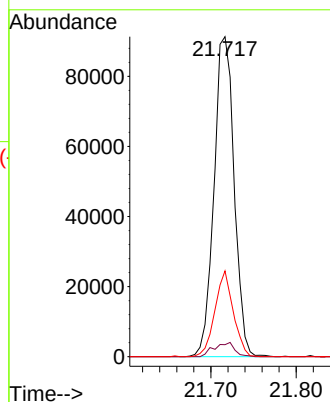
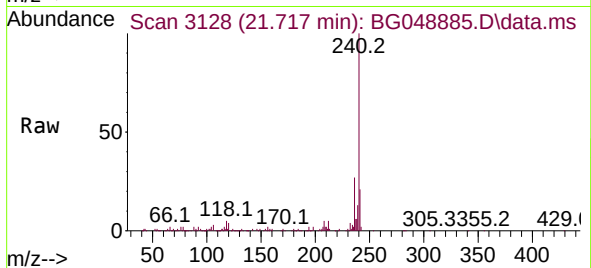




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.717 min Scan# 3128
Delta R.T. -0.064 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

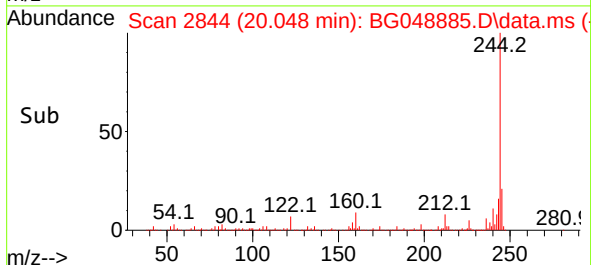
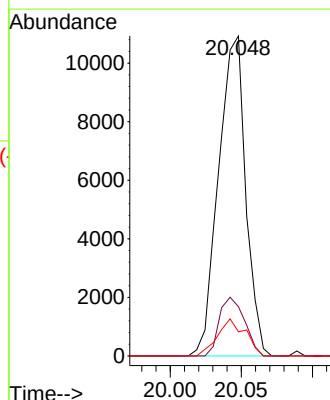
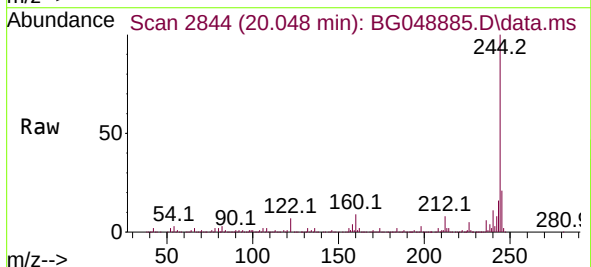
Instrument :
BNA_G
ClientSampled :
AN-1

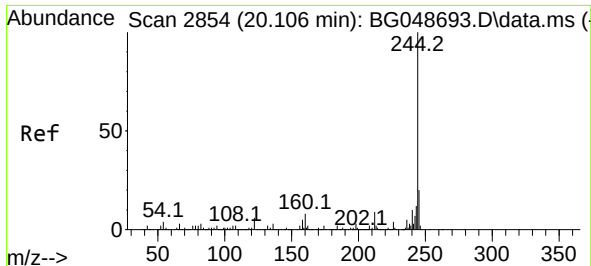
Tgt Ion:240 Resp: 149827
Ion Ratio Lower Upper
240 100
120 3.8 4.2 6.2#
236 26.8 21.8 32.6



#77
Benzidine
Concen: 3.57 ng
RT: 20.048 min Scan# 2844
Delta R.T. 0.336 min
Lab File: BG048885.D
Acq: 26 Apr 2021 19:34

Tgt Ion:184 Resp: 14530
Ion Ratio Lower Upper
184 100
185 15.4 10.7 16.1
183 7.5 9.4 14.0#

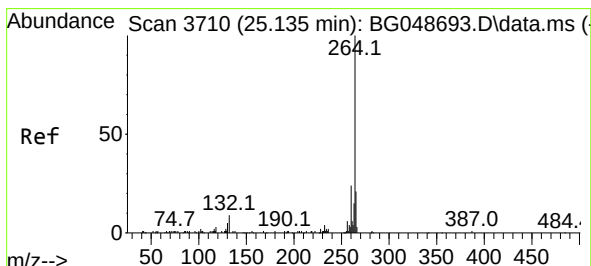
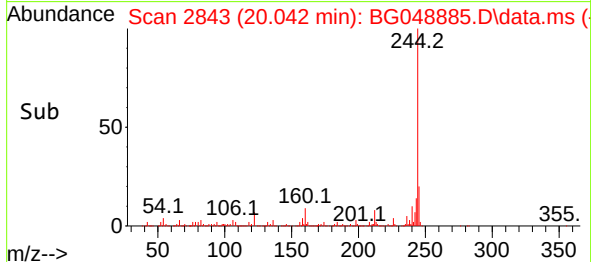
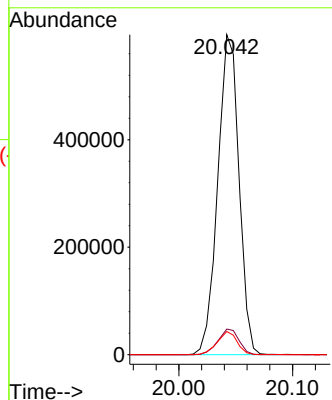
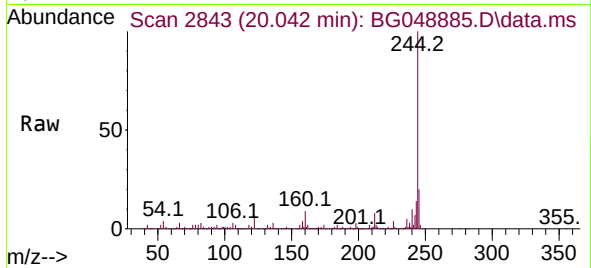




#79
 Terphenyl-d14
 Concen: 88.82 ng
 RT: 20.042 min Scan# 2843
 Delta R.T. -0.052 min
 Lab File: BG048885.D
 Acq: 26 Apr 2021 19:34

Instrument :
 BNA_G
 ClientSampled :
 AN-1

Tgt Ion:244 Resp: 773237
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.9 10.3
 122 7.3 5.0 7.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.995 min Scan# 3686
 Delta R.T. -0.117 min
 Lab File: BG048885.D
 Acq: 26 Apr 2021 19:34

Tgt Ion:264 Resp: 143909
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.4 29.2
 265 19.9 16.9 25.3

