

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
 Data File : BG049885.D
 Acq On : 17 Aug 2021 19:54
 Operator : CG/JU
 Sample : M3431-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1

Quant Time: Aug 18 05:43:48 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

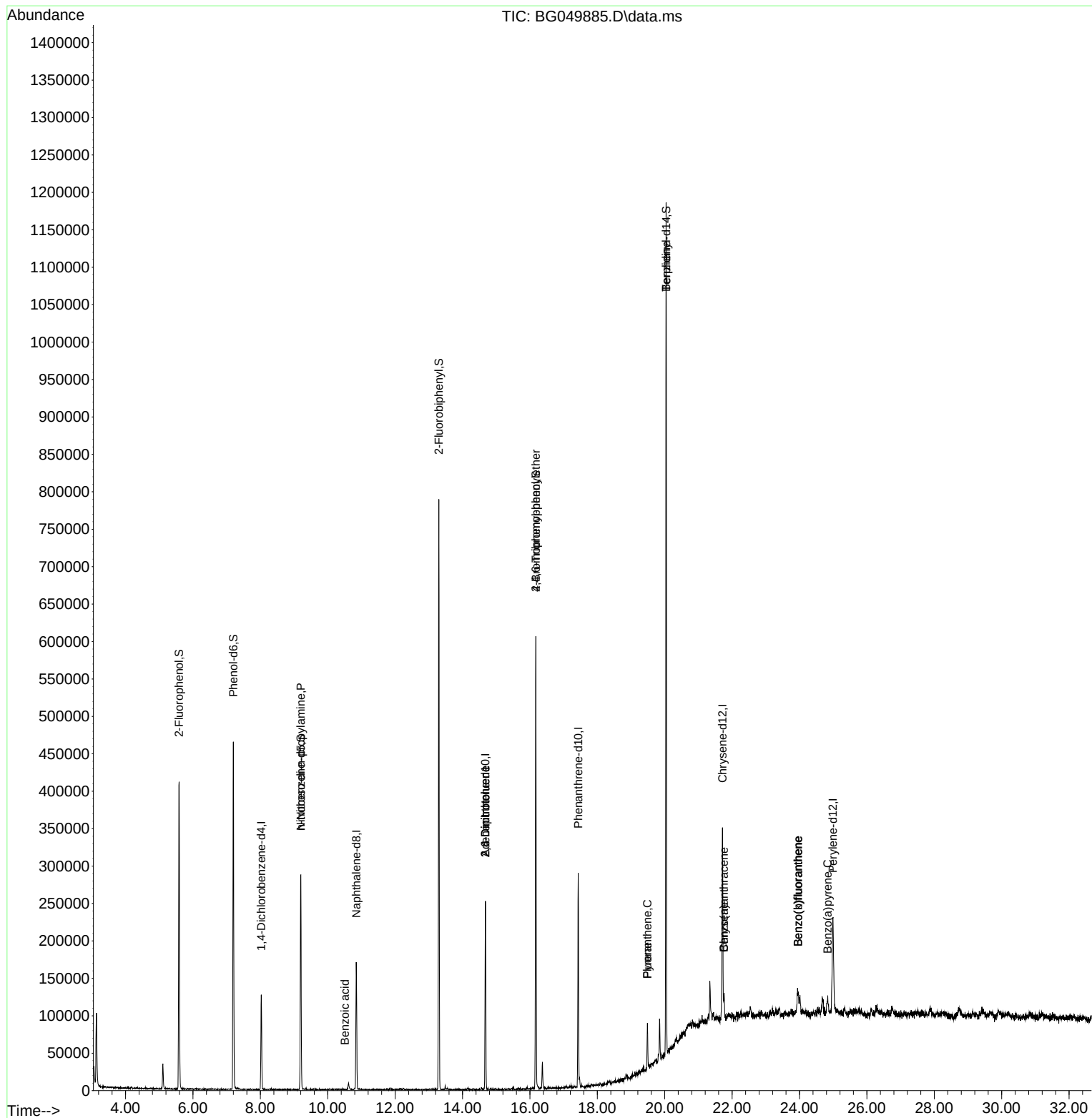
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.027	152	34575	20.000	ng	# 0.00
21) Naphthalene-d8	10.847	136	139938	20.000	ng	# 0.00
39) Acenaphthene-d10	14.677	164	90834	20.000	ng	0.00
64) Phenanthrene-d10	17.432	188	173495	20.000	ng	# 0.00
76) Chrysene-d12	21.715	240	147958	20.000	ng	0.00
86) Perylene-d12	24.987	264	149345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.590	112	175333	90.905	ng	0.01
7) Phenol-d6	7.199	99	249211	85.357	ng	0.00
23) Nitrobenzene-d5	9.202	82	184458	58.329	ng	0.00
42) 2,4,6-Tribromophenol	16.175	330	119385	89.418	ng	0.00
45) 2-Fluorobiphenyl	13.297	172	397021	63.599	ng	0.00
79) Terphenyl-d14	20.041	244	521279	63.988	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.196	70	27476	14.063	ng	# 70
32) Benzoic acid	10.512	122	61	4.988	ng	# 1
51) 2,6-Dinitrotoluene	14.677	165	11801	7.821	ng	# 14
57) 2,4-Dinitrotoluene	14.677	165	11801	5.568	ng	# 19
67) 4-Bromophenyl-phenylether	16.175	248	7154	3.501	ng	# 1
75) Fluoranthene	19.488	202	39387	3.507	ng	97
77) Benzidine	20.041	184	10683	2.818	ng	# 93
78) Pyrene	19.488	202	39387	3.905	ng	95
81) Benzo(a)anthracene	21.756	228	27179	2.821	ng	98
83) Chrysene	21.756	228	27179	2.951	ng	99
88) Benzo(b)fluoranthene	23.953	252	42081	4.296	ng	# 89
89) Benzo(k)fluoranthene	23.953	252	42081	4.606	ng	# 93
90) Benzo(a)pyrene	24.834	252	24276	2.739	ng	# 92

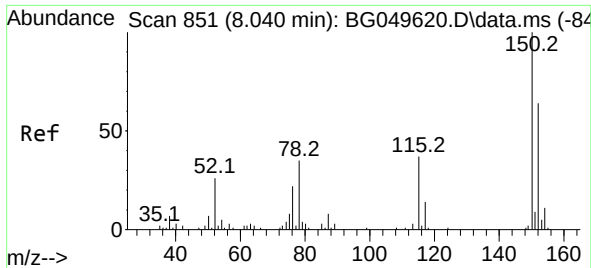
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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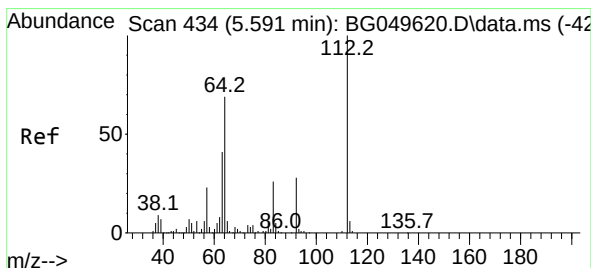
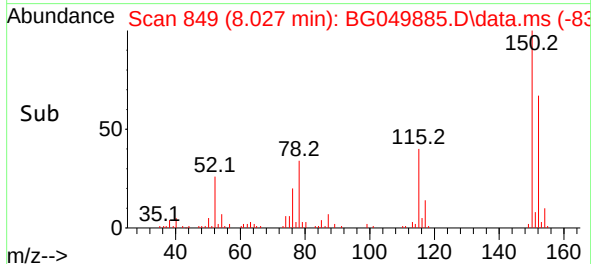
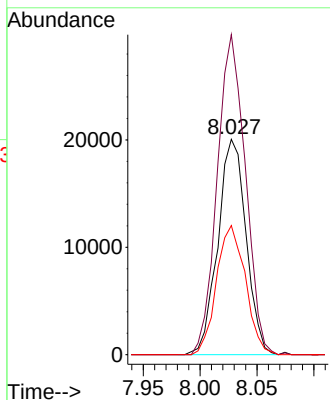
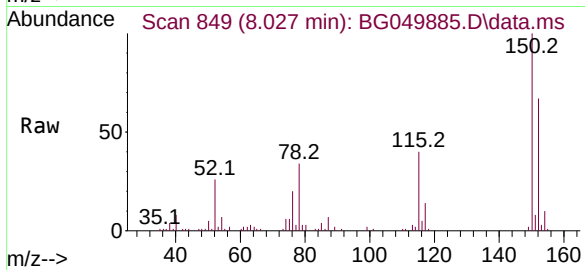




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.027 min Scan# 849
Delta R.T. -0.001 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

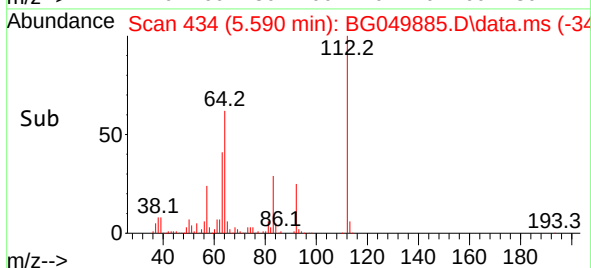
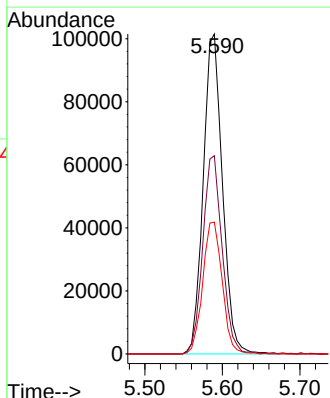
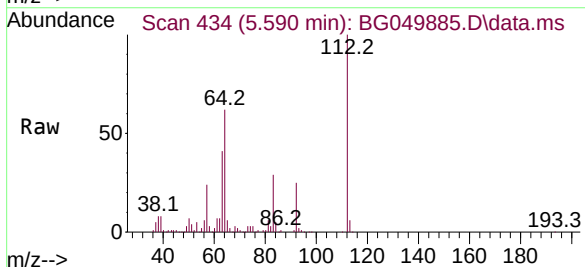
Instrument :
BNA_G
ClientSampled :
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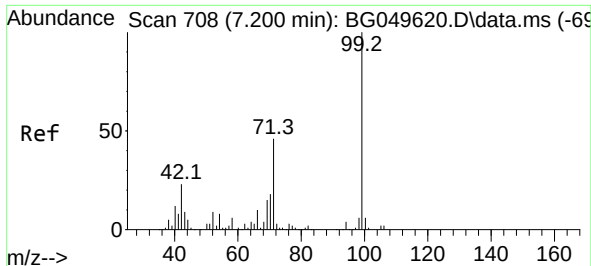
Tgt Ion:152 Resp: 34575
Ion Ratio Lower Upper
152 100
150 148.6 119.4 179.0
115 60.0 60.2 90.4#



#5
2-Fluorophenol
Concen: 90.905 ng
RT: 5.590 min Scan# 434
Delta R.T. 0.011 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:112 Resp: 175333
Ion Ratio Lower Upper
112 100
64 62.0 46.7 70.1
63 41.2 35.3 52.9

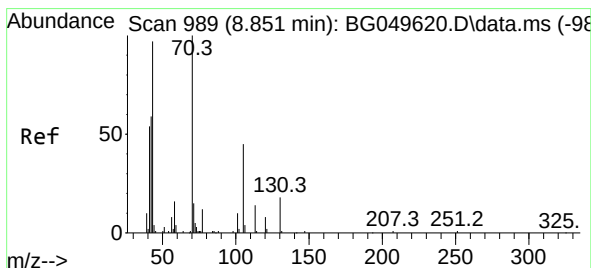
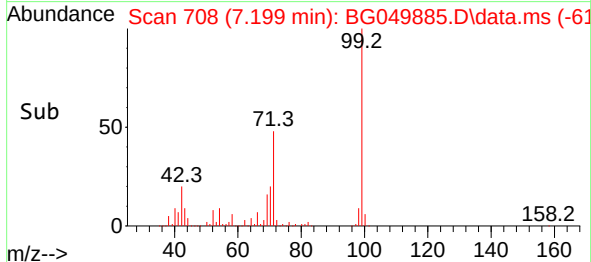
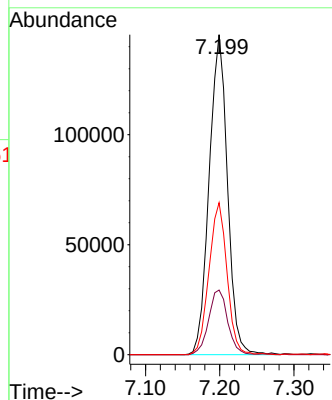
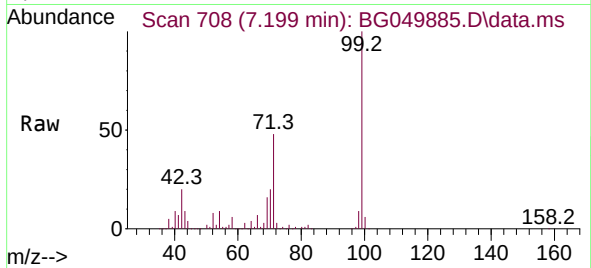




#7
Phenol-d6
Concen: 85.357 ng
RT: 7.199 min Scan# 708
Delta R.T. 0.005 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

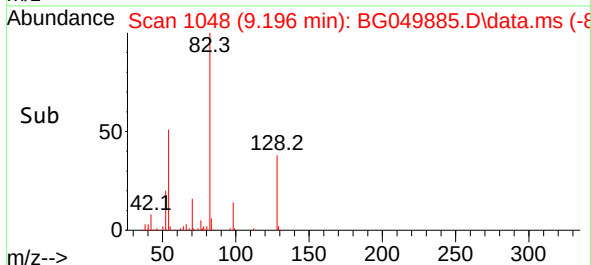
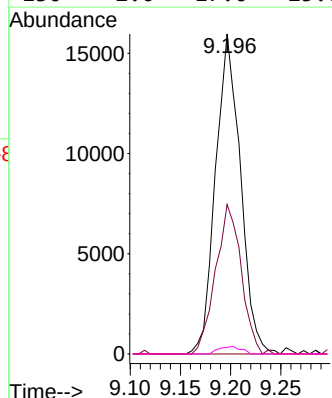
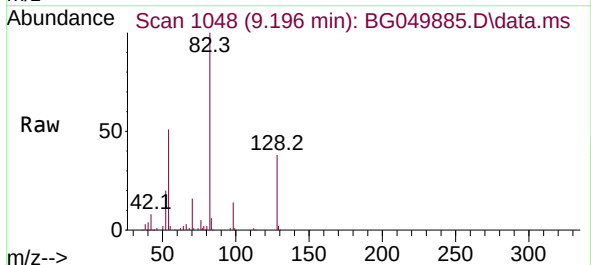
Instrument :
BNA_G
ClientSampleId :
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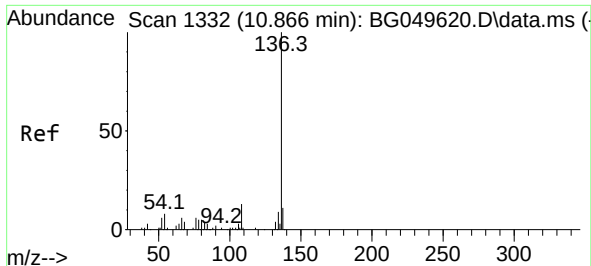
Tgt Ion: 99 Resp: 249211
Ion Ratio Lower Upper
99 100
42 20.2 20.5 30.7#
71 47.5 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.063 ng
RT: 9.196 min Scan# 1048
Delta R.T. 0.358 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion: 70 Resp: 27476
Ion Ratio Lower Upper
70 100
42 46.7 54.5 81.7#
101 0.0 9.0 13.6#
130 2.0 17.0 25.6#

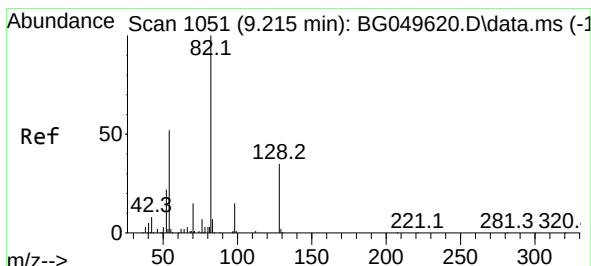
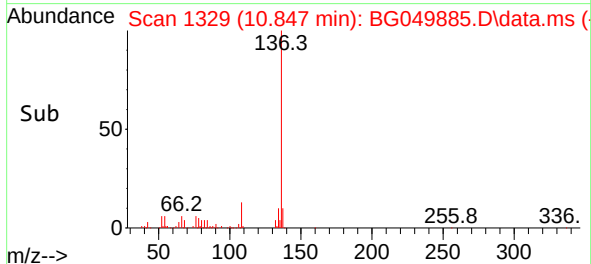
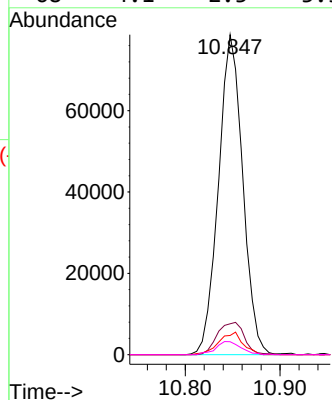
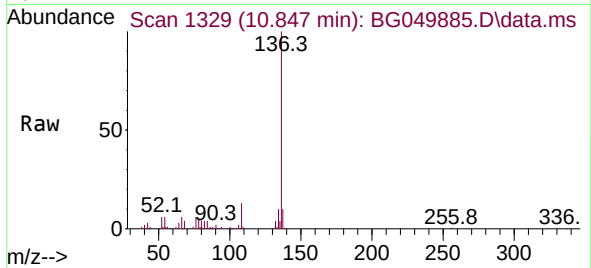




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.847 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

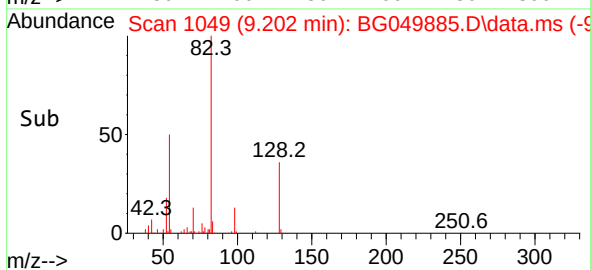
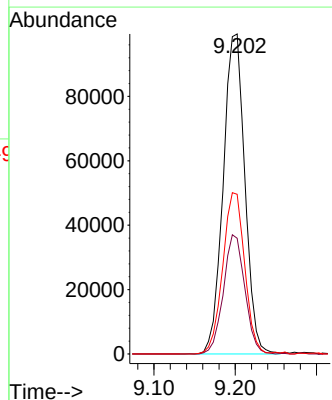
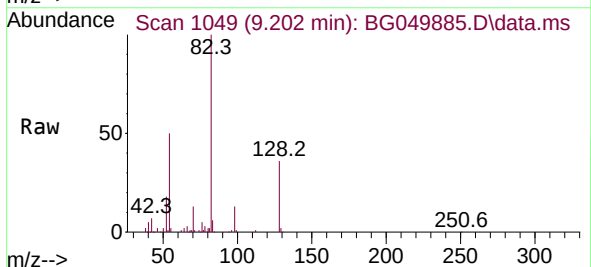
Instrument :
BNA_G
ClientSampleId :
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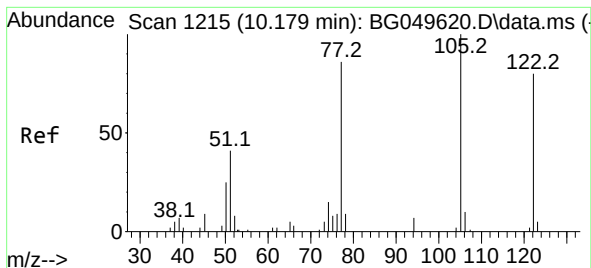
Tgt Ion:	136	Resp:	139938
Ion Ratio	Lower	Upper	
136	100		
137	9.7	8.2	12.2
54	6.0	5.5	8.3
68	4.1	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 58.329 ng
RT: 9.202 min Scan# 1049
Delta R.T. 0.005 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:	82	Resp:	184458
Ion Ratio	Lower	Upper	
82	100		
128	36.2	29.8	44.6
54	49.9	45.8	68.8

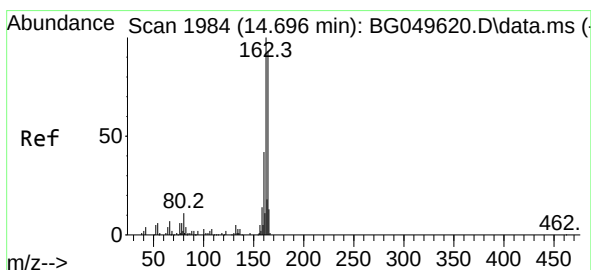
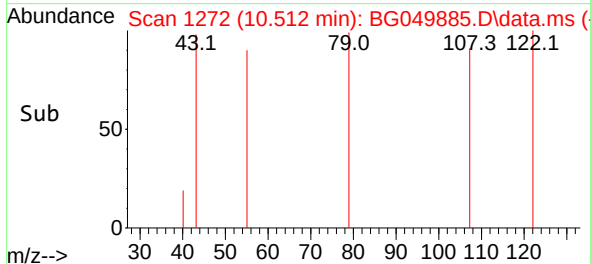
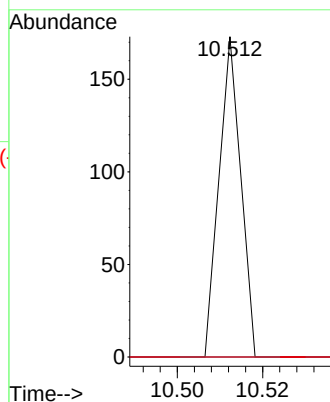
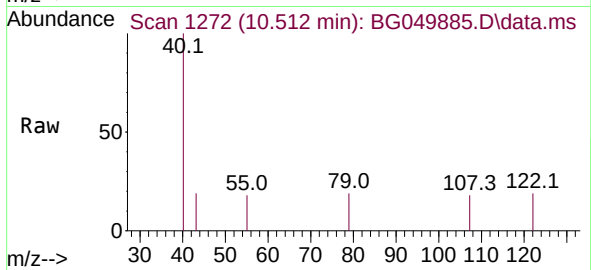




#32
Benzoic acid
Concen: 4.988 ng
RT: 10.512 min Scan# 1272
Delta R.T. 0.346 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

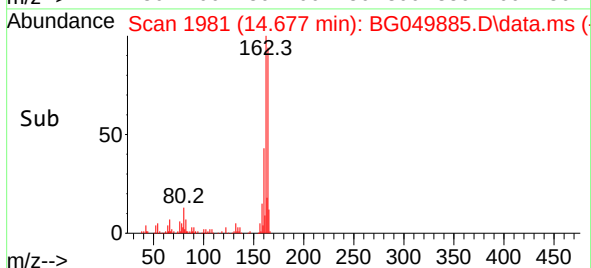
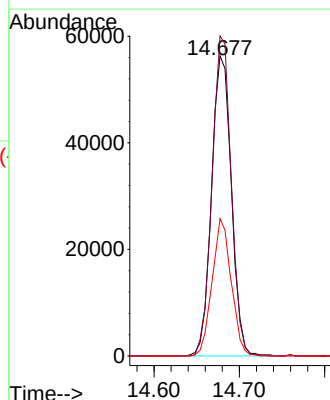
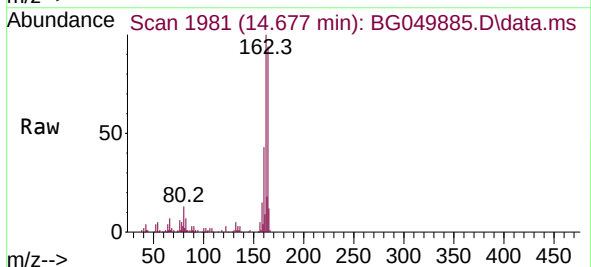
Instrument :
BNA_G
ClientSampleId :
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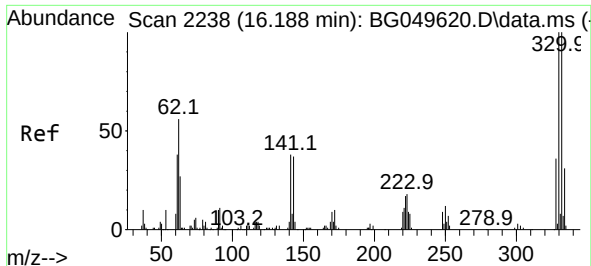
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.677 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:164 Resp: 90834
Ion Ratio Lower Upper
164 100
162 106.6 81.4 122.0
160 45.7 34.9 52.3

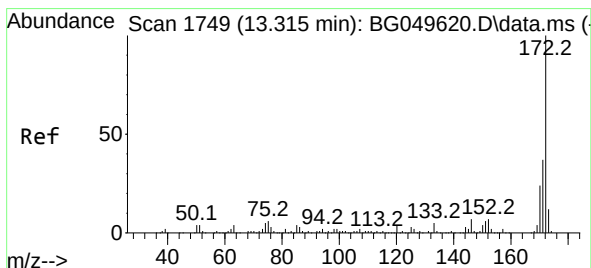
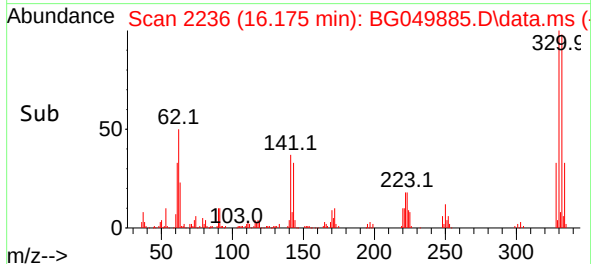
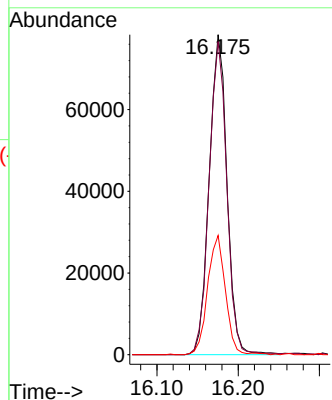
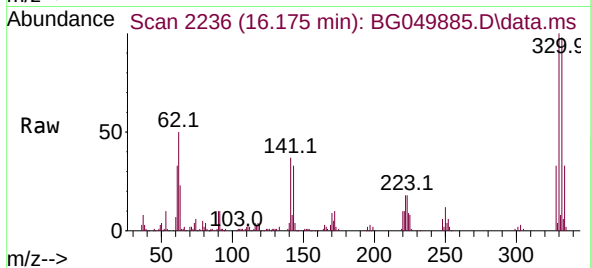




#42
2,4,6-Tribromophenol
Concen: 89.418 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

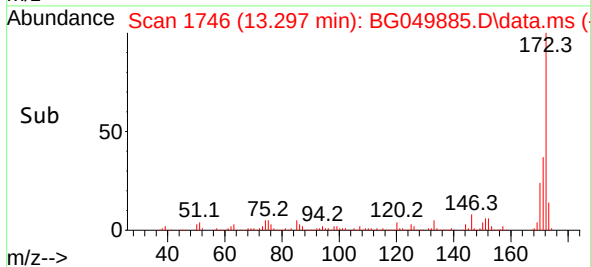
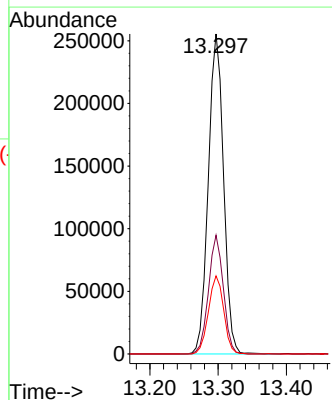
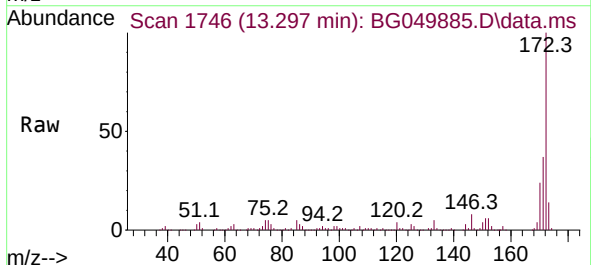
Instrument :
BNA_G
ClientSampled :
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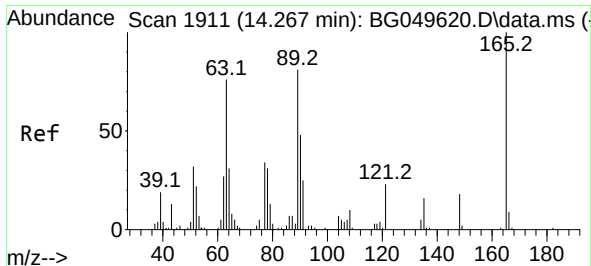
Tgt Ion:330 Resp: 119385
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 37.2 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 63.599 ng
RT: 13.297 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:172 Resp: 397021
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 24.4 18.6 27.8

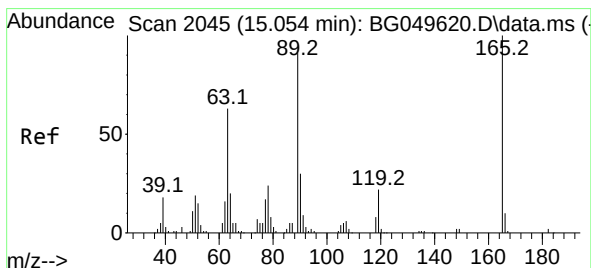
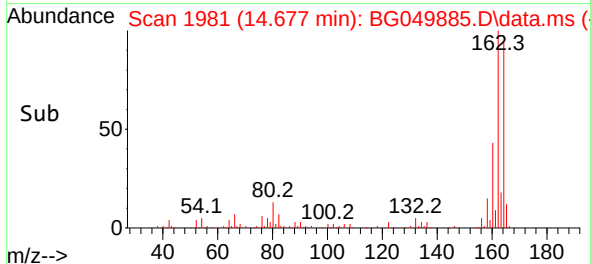
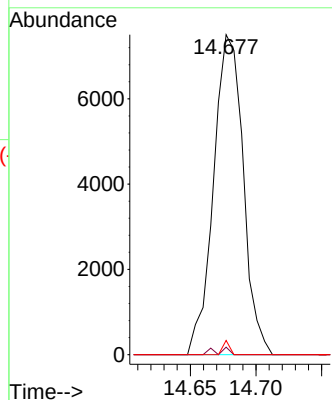
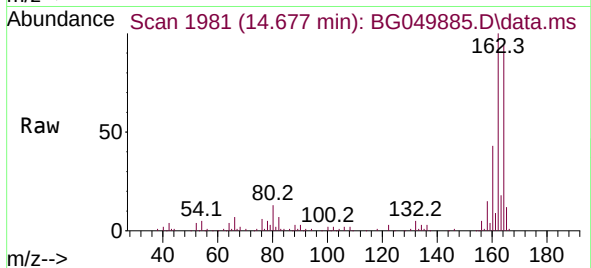




#51
2,6-Dinitrotoluene
Concen: 7.821 ng
RT: 14.677 min Scan# 1981
Delta R.T. 0.422 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

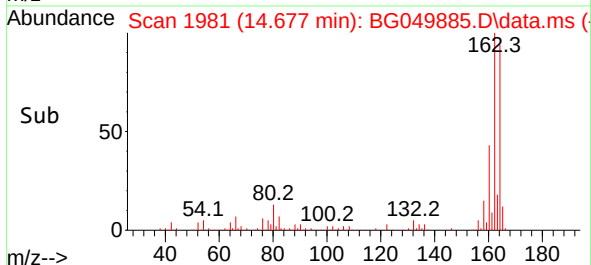
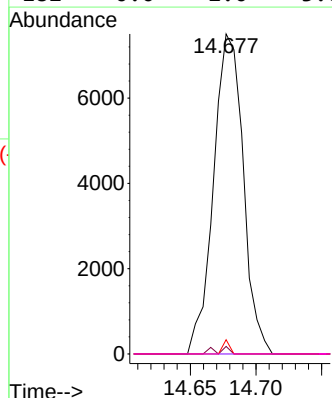
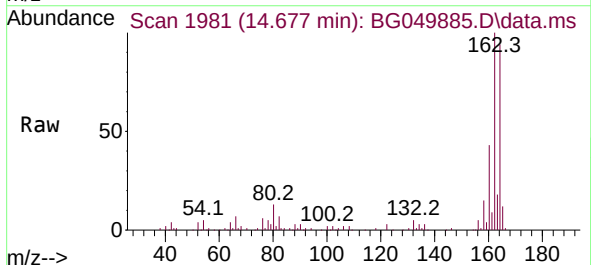
Instrument :
BNA_G
ClientSampled :
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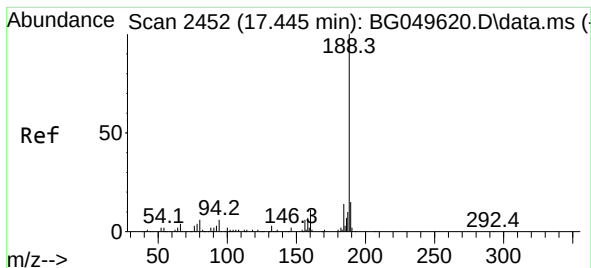
Tgt Ion:165 Resp: 11801
Ion Ratio Lower Upper
165 100
63 2.4 63.3 94.9#
89 4.5 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.568 ng
RT: 14.677 min Scan# 1981
Delta R.T. -0.371 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:165 Resp: 11801
Ion Ratio Lower Upper
165 100
63 2.4 48.0 72.0#
89 4.5 65.4 98.0#
182 0.0 2.0 3.0#

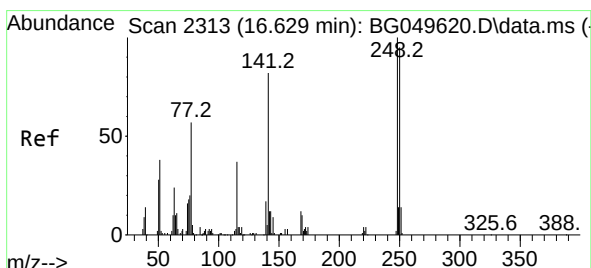
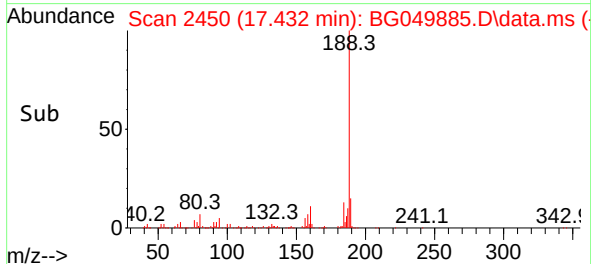
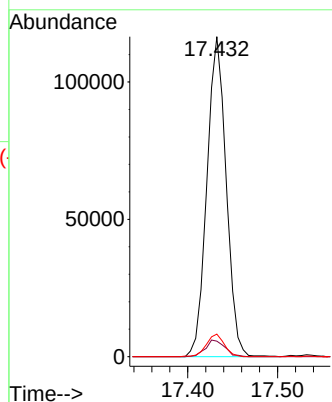
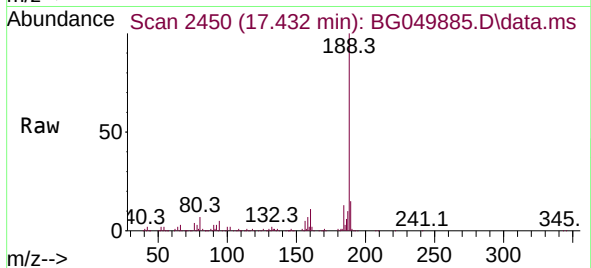




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.432 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

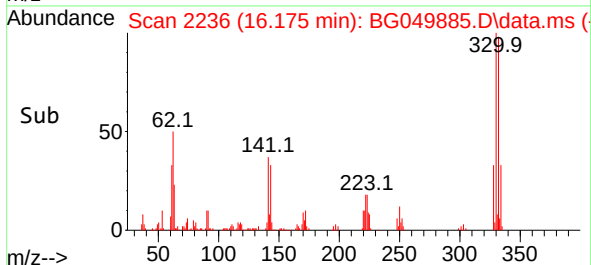
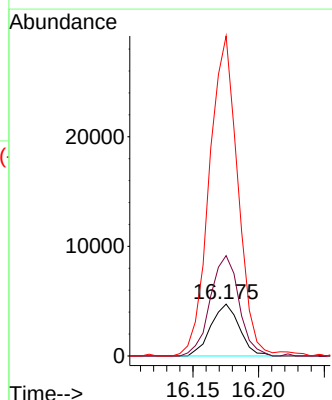
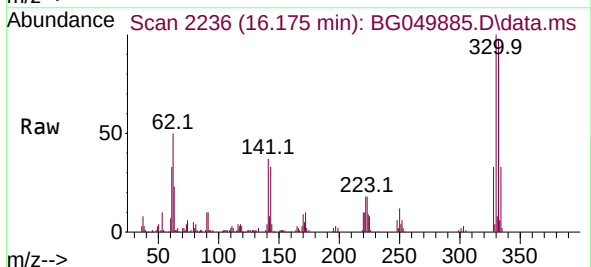
Instrument :
BNA_G
ClientSampled :
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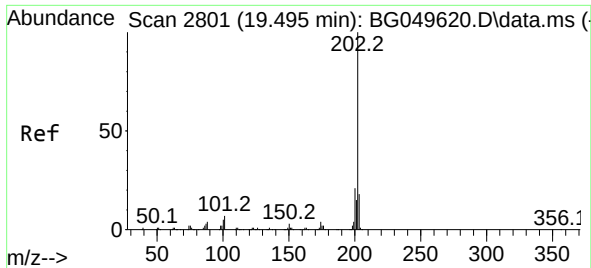
Tgt Ion:188 Resp: 173495
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0#
80 7.1 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.501 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.441 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:248 Resp: 7154
Ion Ratio Lower Upper
248 100
250 193.8 76.1 114.1#
141 617.7 65.4 98.2#

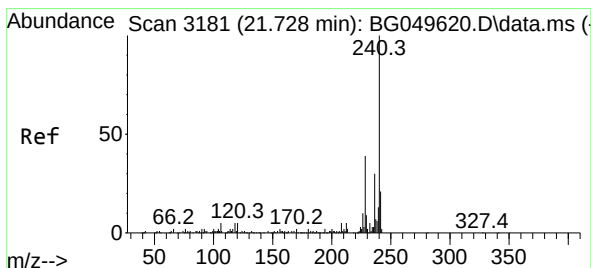
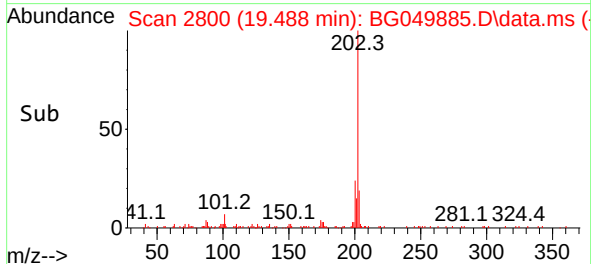
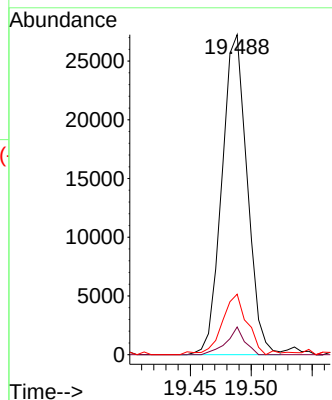
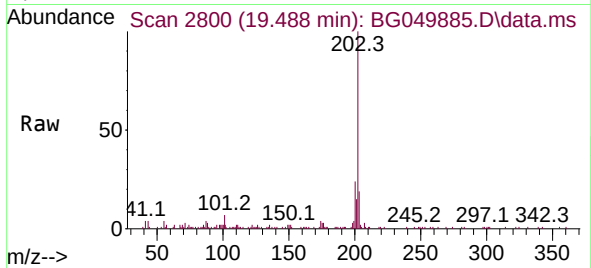




#75
Fluoranthene
Concen: 3.507 ng
RT: 19.488 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

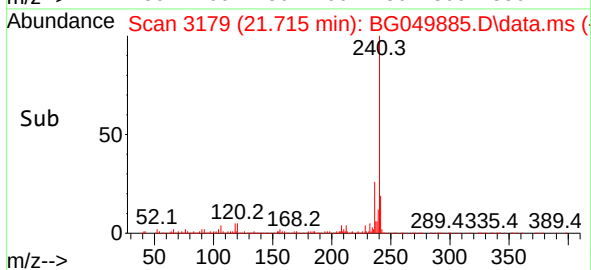
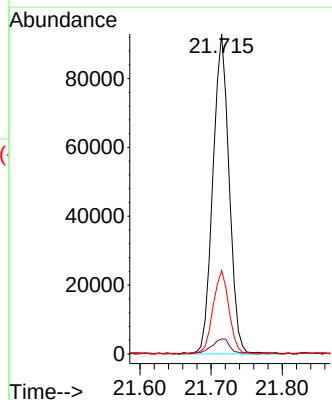
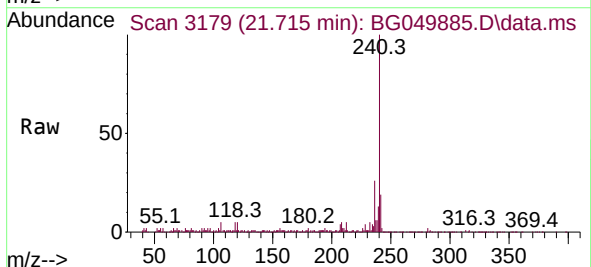
Instrument :
BNA_G
ClientSampleId :
1

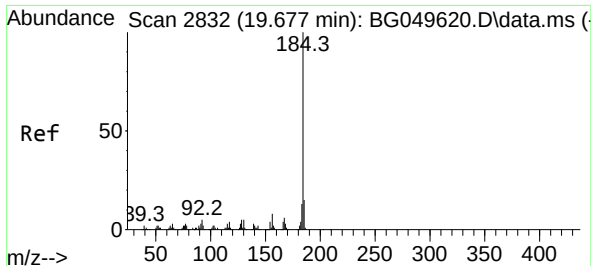
Tgt Ion:202	Resp:	39387
Ion Ratio	Lower	Upper
202	100	
101	8.7	0.0 24.7
203	18.9	0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.715 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:240	Resp:	147958
Ion Ratio	Lower	Upper
240	100	
120	4.7	4.2 6.2
236	26.1	21.8 32.6

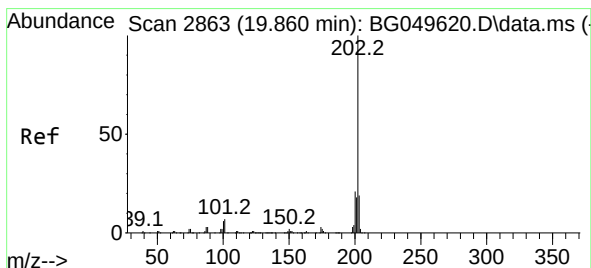
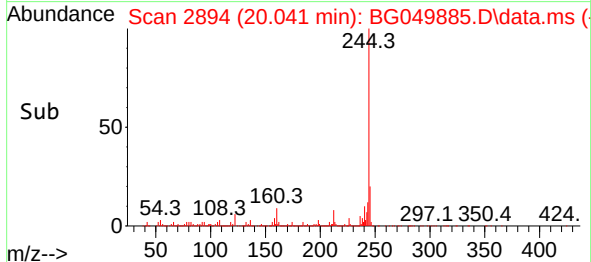
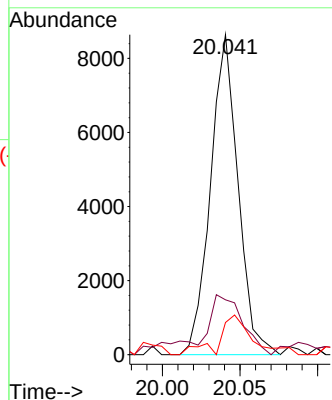
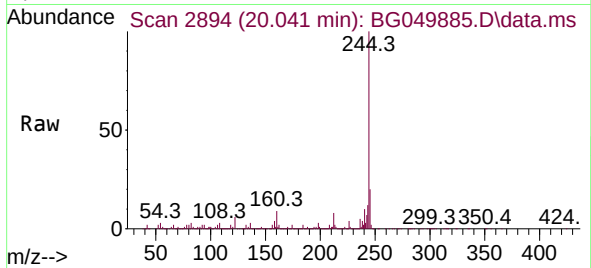




#77
Benzidine
Concen: 2.818 ng
RT: 20.041 min Scan# 2894
Delta R.T. 0.375 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

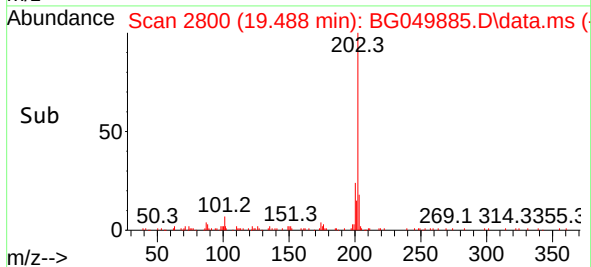
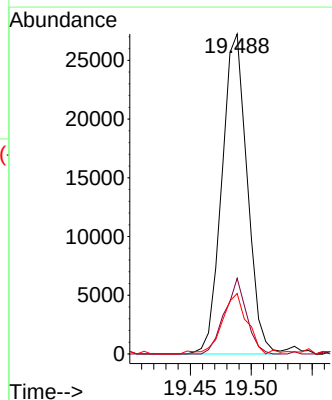
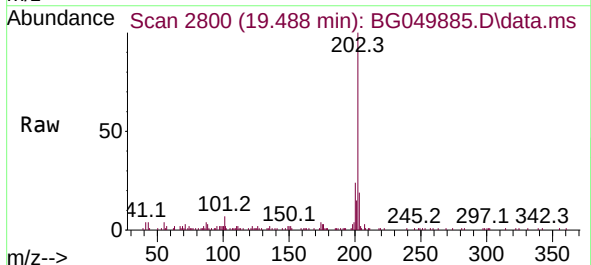
Instrument :
BNA_G
ClientSampleId :
1

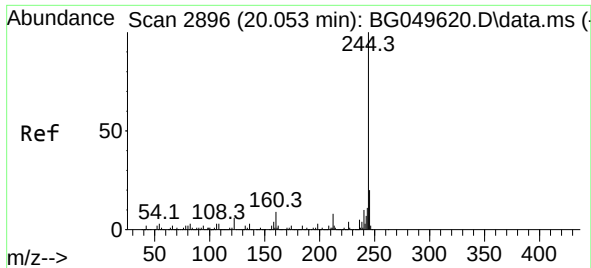
Tgt Ion:184 Resp: 10683
Ion Ratio Lower Upper
184 100
185 17.2 10.7 16.1#
183 10.0 9.4 14.0



#78
Pyrene
Concen: 3.905 ng
RT: 19.488 min Scan# 2800
Delta R.T. -0.365 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:202 Resp: 39387
Ion Ratio Lower Upper
202 100
200 23.7 15.8 23.8
203 18.9 14.6 21.8

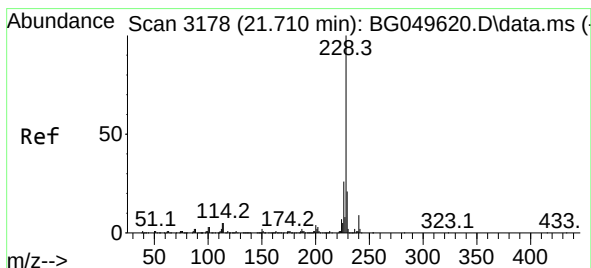
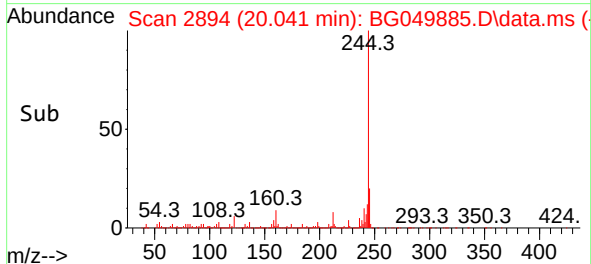
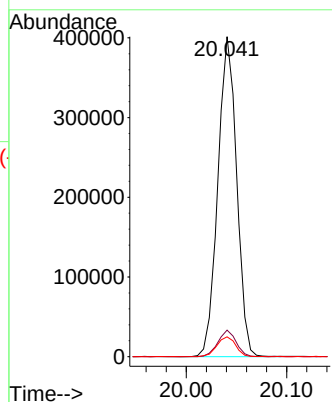
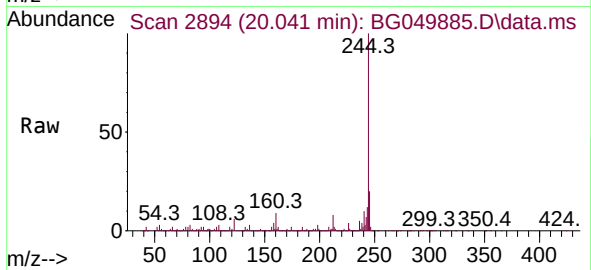




#79
Terphenyl-d14
Concen: 63.988 ng
RT: 20.041 min Scan# 2894
Delta R.T. -0.006 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

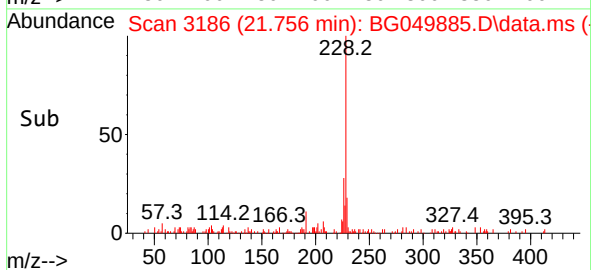
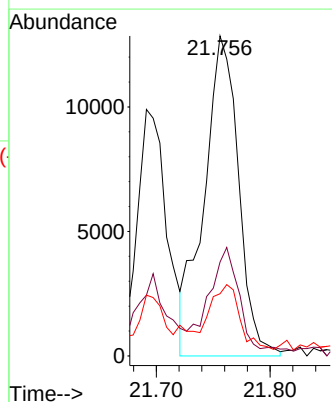
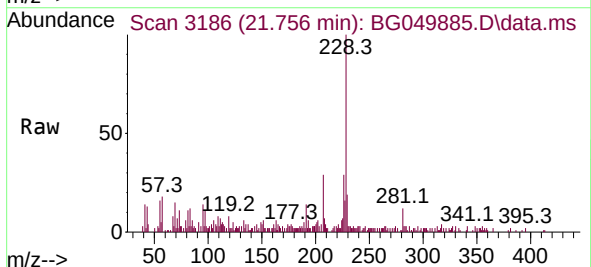
Instrument :
BNA_G
ClientSampled :
1

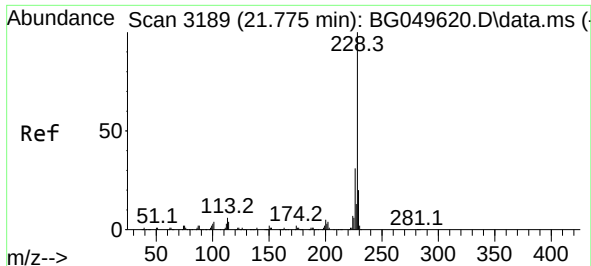
Tgt Ion:244 Resp: 521279
Ion Ratio Lower Upper
244 100
212 8.3 6.9 10.3
122 6.2 5.0 7.6



#81
Benzo(a)anthracene
Concen: 2.821 ng
RT: 21.756 min Scan# 3186
Delta R.T. 0.058 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:228 Resp: 27179
Ion Ratio Lower Upper
228 100
226 29.4 22.7 34.1
229 19.4 16.0 24.0

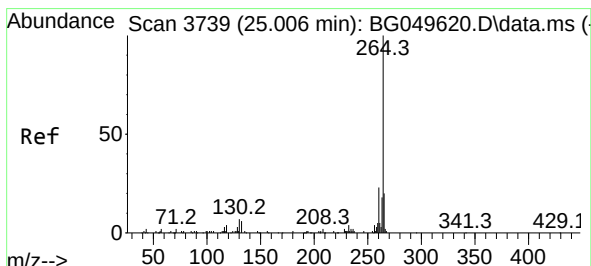
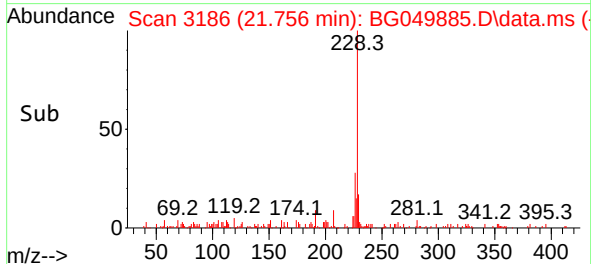
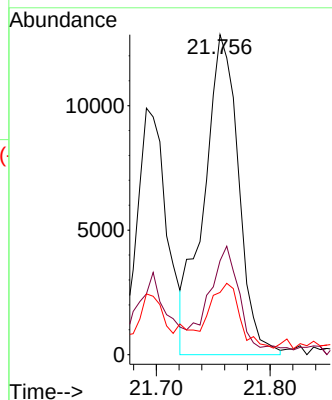
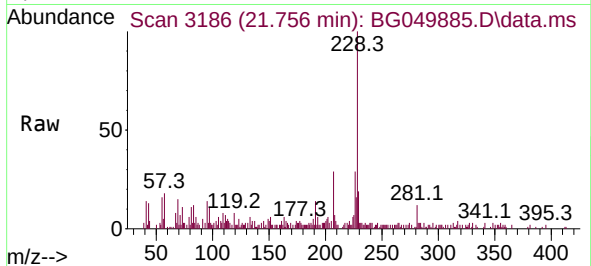




#83
Chrysene
Concen: 2.951 ng
RT: 21.756 min Scan# 3186
Delta R.T. -0.012 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

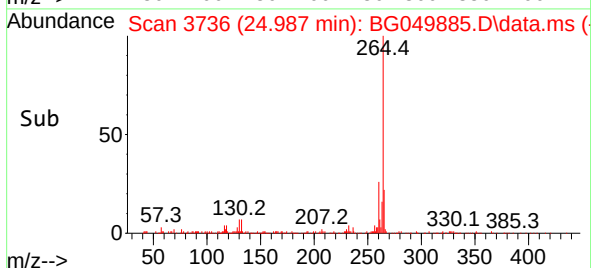
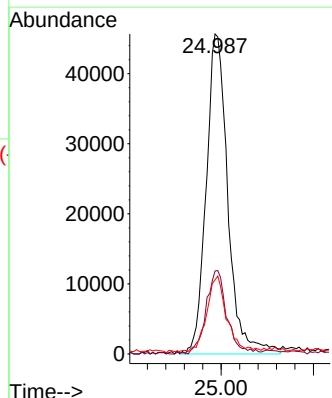
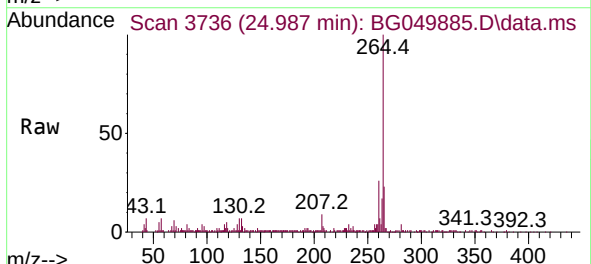
Instrument :
BNA_G
ClientSampled :
1

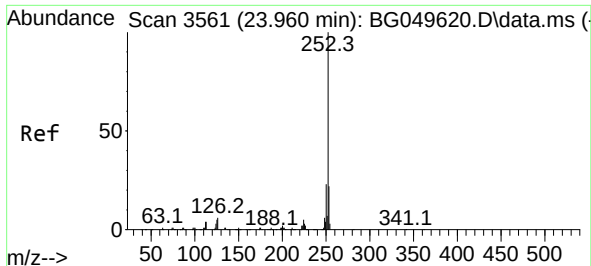
Tgt Ion:	228	Resp:	27179
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.1	34.7
229	19.4	15.3	22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.987 min Scan# 3736
Delta R.T. -0.000 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

Tgt Ion:	264	Resp:	149345
Ion Ratio	Lower	Upper	
264	100		
260	26.0	19.4	29.2
265	23.2	16.9	25.3

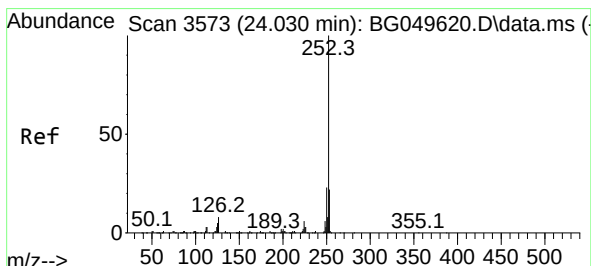
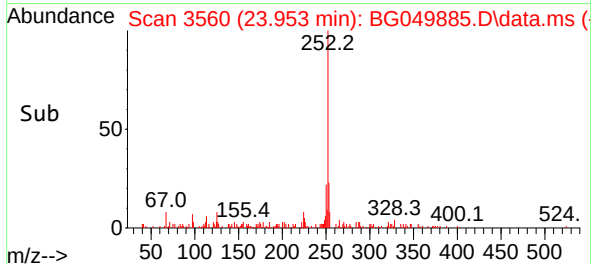
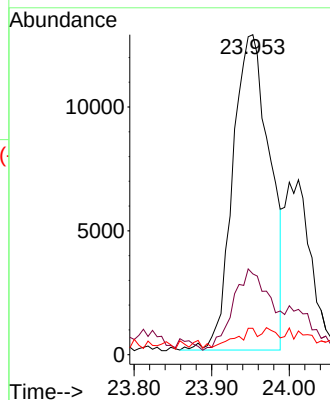
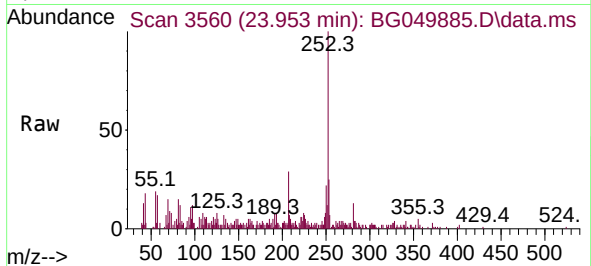




#88
Benzo(b)fluoranthene
Concen: 4.296 ng
RT: 23.953 min Scan# 3560
Delta R.T. -0.000 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

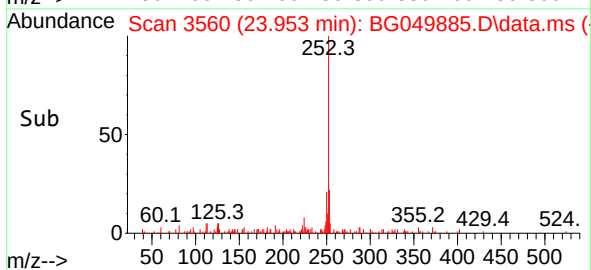
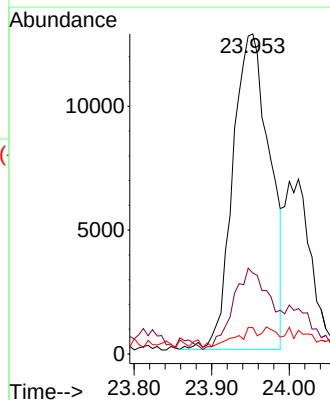
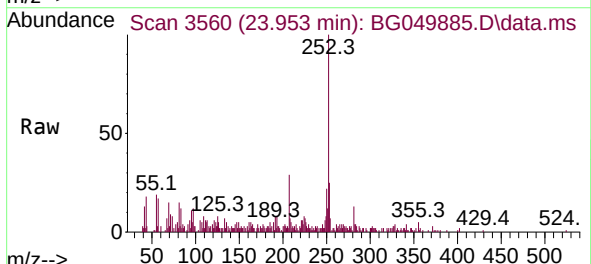
Instrument :
BNA_G
ClientSampled :
1

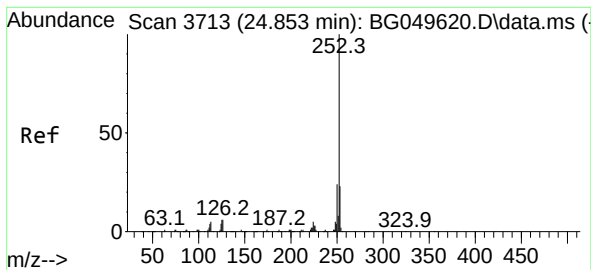
Tgt Ion:252 Resp: 42081
Ion Ratio Lower Upper
252 100
253 25.3 16.2 24.4#
125 8.3 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 4.606 ng
RT: 23.953 min Scan# 3560
Delta R.T. -0.065 min
Lab File: BG049885.D
Acq: 17 Aug 2021 19:54

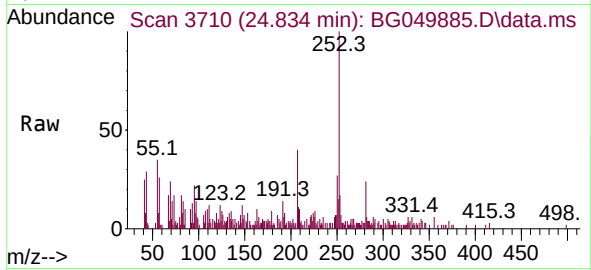
Tgt Ion:252 Resp: 42081
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 8.3 3.1 4.7#





#90
 Benzo(a)pyrene
 Concen: 2.739 ng
 RT: 24.834 min Scan# 3710
 Delta R.T. -0.006 min
 Lab File: BG049885.D
 Acq: 17 Aug 2021 19:54

Instrument :
 BNA_G
 ClientSampleId :
 1



Tgt Ion	Ratio	Lower	Upper
252	100		
253	17.5	16.6	25.0
125	9.0	3.5	5.3#

