

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070721\
 Data File : BG049200.D
 Acq On : 7 Jul 2021 15:21
 Operator : CG/JU
 Sample : M2936-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-070221

Quant Time: Jul 07 16:11:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 06 10:59:02 2021
 Response via : Initial Calibration

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

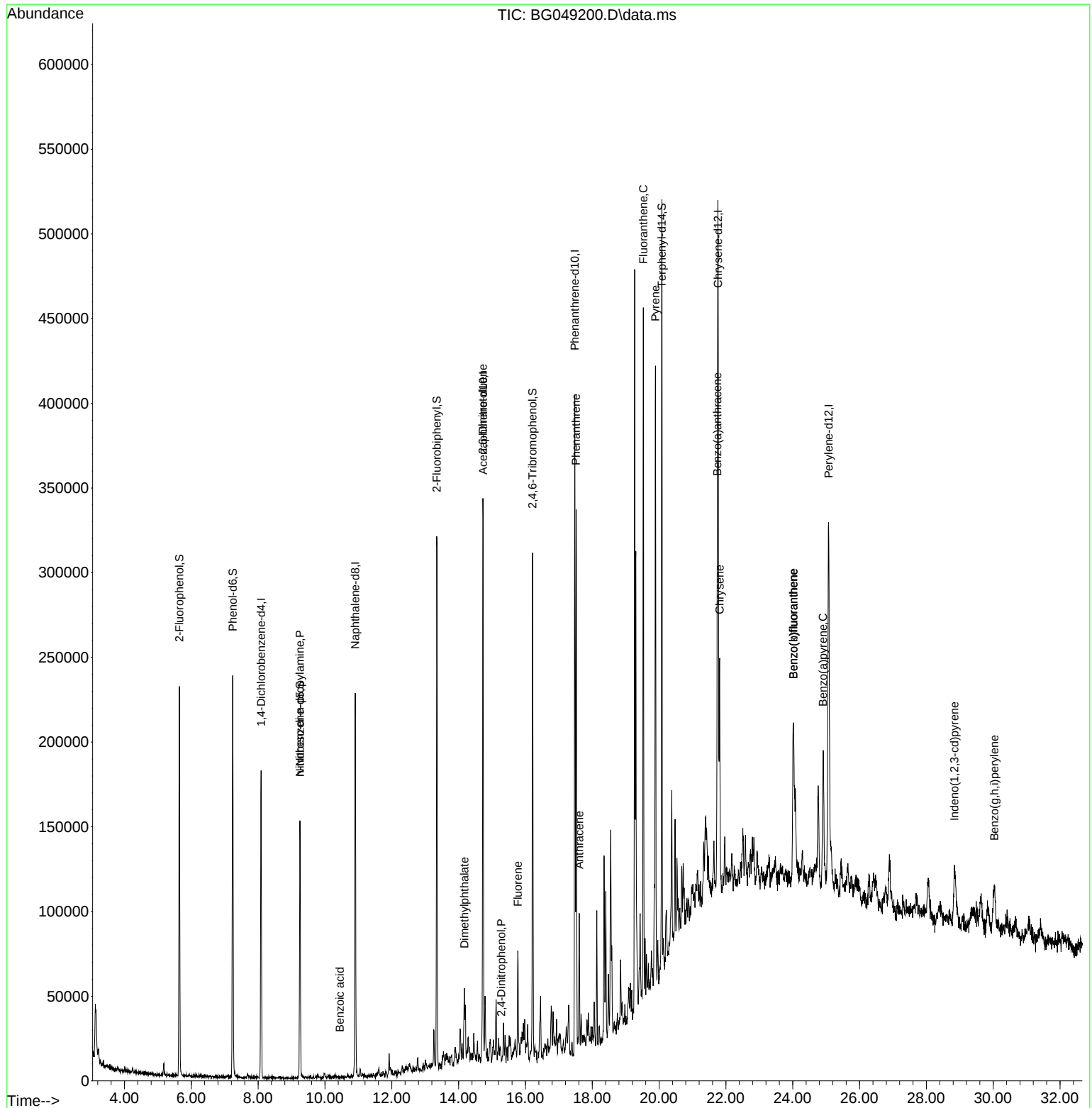
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	48495	20.000	ng	0.00
21) Naphthalene-d8	10.908	136	185178	20.000	ng	# 0.00
39) Acenaphthene-d10	14.733	164	121673	20.000	ng	0.00
64) Phenanthrene-d10	17.477	188	242221	20.000	ng	# 0.00
76) Chrysene-d12	21.760	240	237606	20.000	ng	0.00
86) Perylene-d12	25.074	264	254671	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	97823	31.595	ng	0.00
7) Phenol-d6	7.242	99	130649	29.597	ng	0.00
23) Nitrobenzene-d5	9.251	82	90159	20.642	ng	0.00
42) 2,4,6-Tribromophenol	16.214	330	56965	27.007	ng	0.00
45) 2-Fluorobiphenyl	13.347	172	168886	18.727	ng	0.00
79) Terphenyl-d14	20.086	244	218337	15.571	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.251	70	14036	4.424	ng	# 71
32) Benzoic acid	10.444	122	56	6.297	ng	# 1
50) Dimethylphthalate	14.175	163	23531	2.410	ng	97
51) 2,6-Dinitrotoluene	14.727	165	16454	7.350	ng	# 12
54) 2,4-Dinitrophenol	15.280	184	81	5.214	ng	# 8
58) Fluorene	15.773	166	26650	2.693	ng	96
71) Phenanthrene	17.518	178	198093	14.202	ng	97
72) Anthracene	17.612	178	52966	3.809	ng	99
75) Fluoranthene	19.528	202	245461	14.057	ng	98
78) Pyrene	19.892	202	244082	13.831	ng	97
81) Benzo(a)anthracene	21.743	228	112097	6.325	ng	96
83) Chrysene	21.813	228	106729	6.339	ng	99
87) Indeno(1,2,3-cd)pyrene	28.840	276	63476	3.124	ng	99
88) Benzo(b)fluoranthene	24.022	252	127545	6.940	ng	# 91
89) Benzo(k)fluoranthene	24.022	252	127545	7.275	ng	# 96
90) Benzo(a)pyrene	24.910	252	98825	5.829	ng	# 94
92) Benzo(g,h,i)perylene	30.033	276	62428	3.692	ng	97

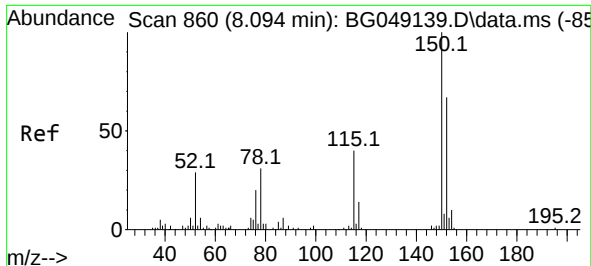
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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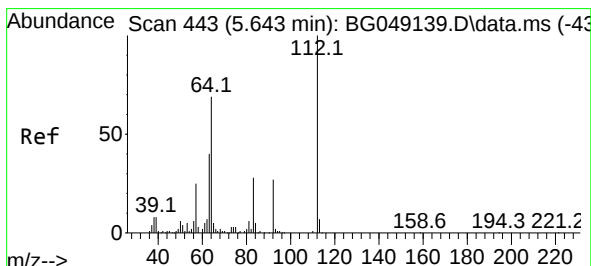
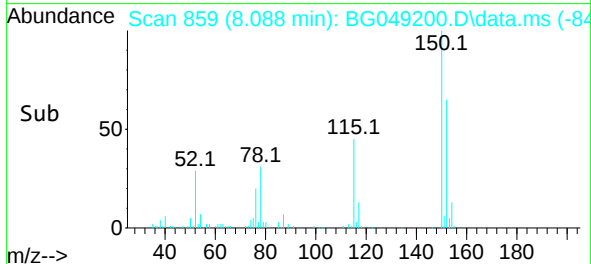
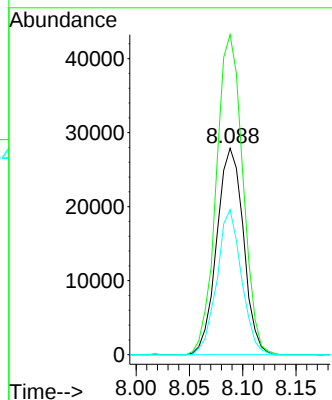
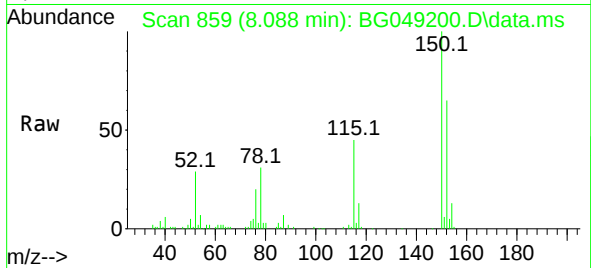




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.088 min Scan# 859
Delta R.T. -0.003 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

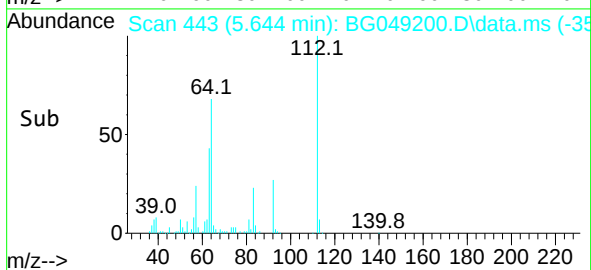
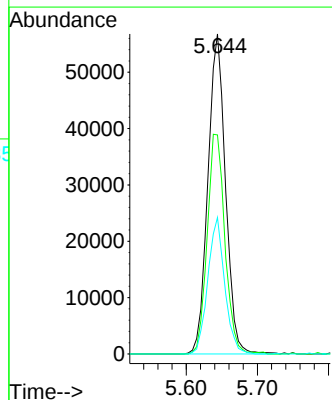
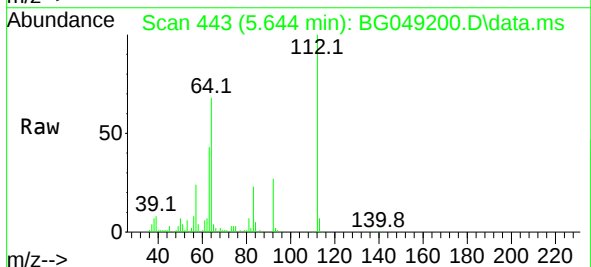
Instrument :
BNA_G
ClientSampleId :
TR-05-070221

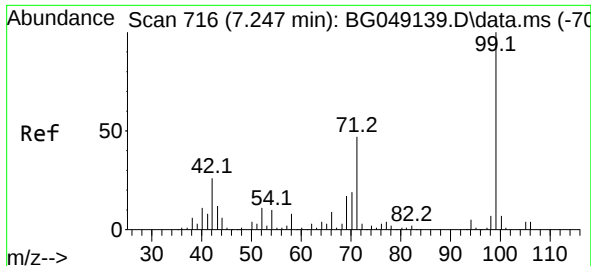
Tgt Ion:152 Resp: 48495
Ion Ratio Lower Upper
152 100
150 155.0 119.4 179.0
115 70.2 60.2 90.4



#5
2-Fluorophenol
Concen: 31.595 ng
RT: 5.644 min Scan# 443
Delta R.T. 0.009 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:112 Resp: 97823
Ion Ratio Lower Upper
112 100
64 68.5 46.7 70.1
63 42.6 35.3 52.9

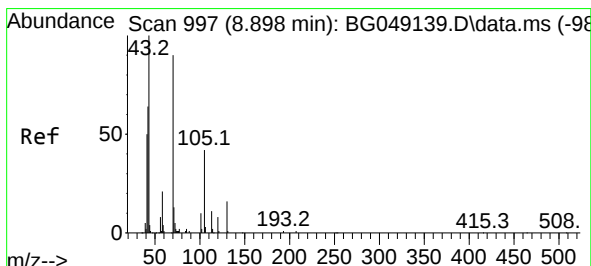
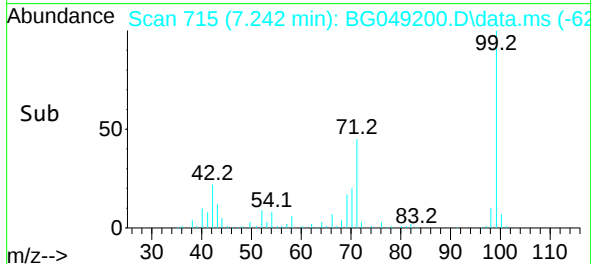
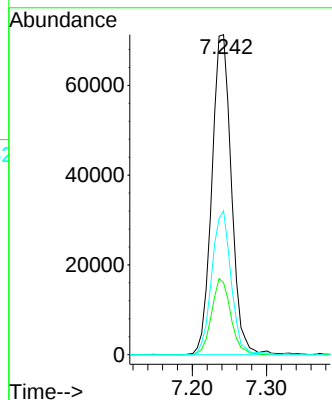
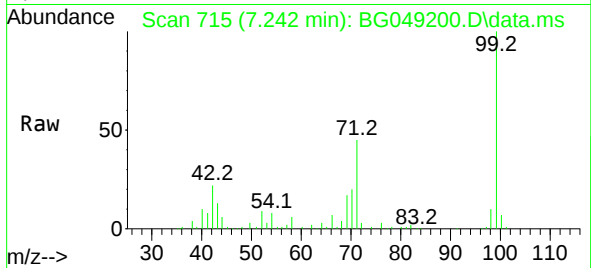




#7
Phenol-d6
Concen: 29.597 ng
RT: 7.242 min Scan# 715
Delta R.T. 0.003 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

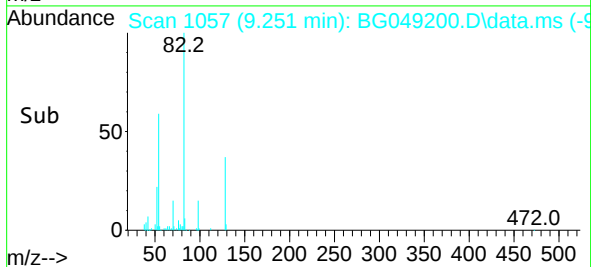
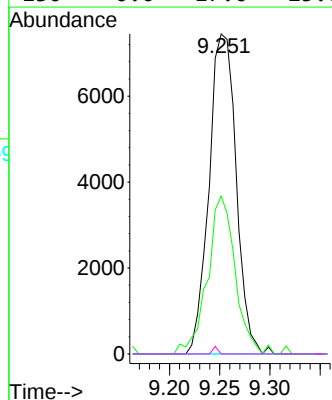
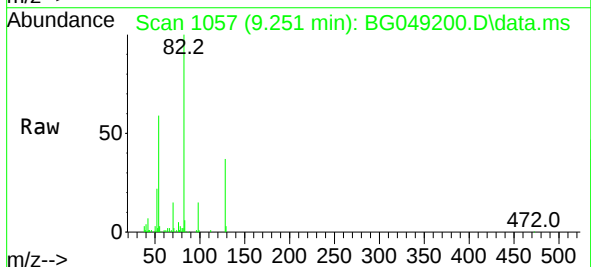
Instrument :
BNA_G
ClientSampleId :
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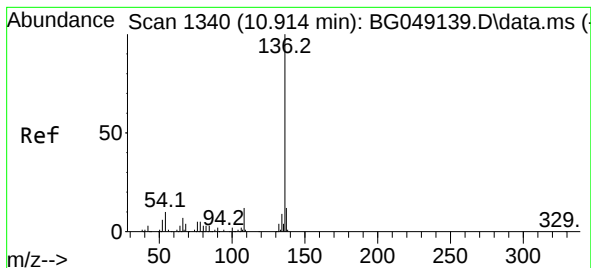
Tgt Ion: 99 Resp: 130649
Ion Ratio Lower Upper
99 100
42 22.5 20.5 30.7
71 44.9 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 4.424 ng
RT: 9.251 min Scan# 1057
Delta R.T. 0.356 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion: 70 Resp: 14036
Ion Ratio Lower Upper
70 100
42 49.3 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#

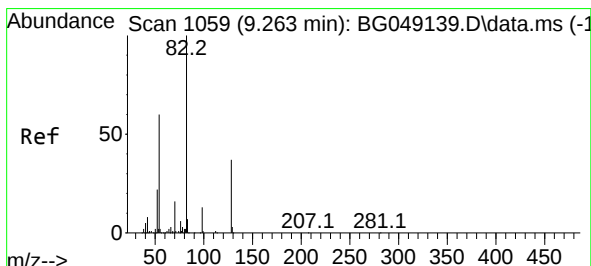
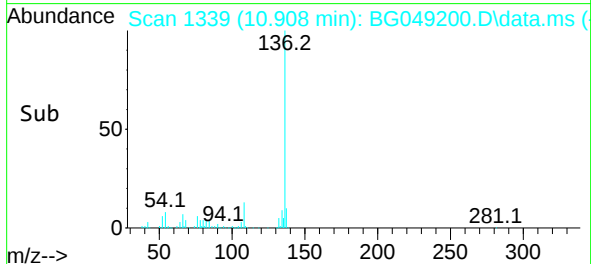
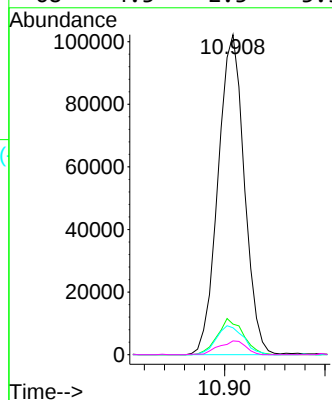
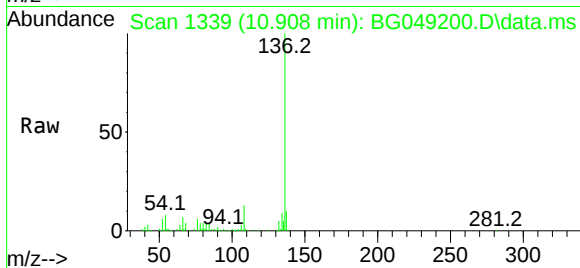




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.908 min Scan# 1339
Delta R.T. 0.003 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

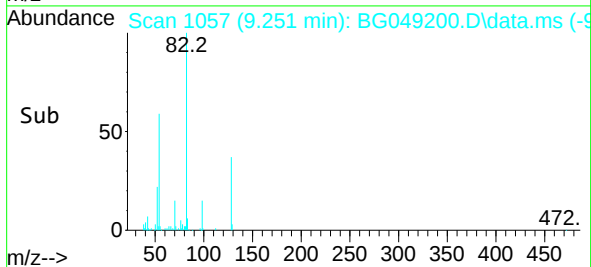
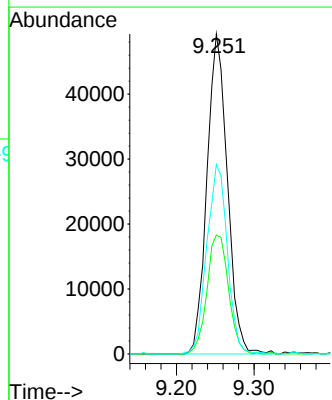
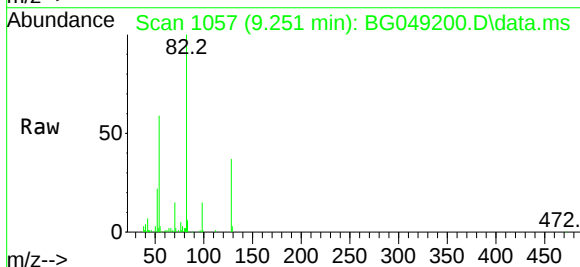
Instrument :
BNA_G
ClientSampleId :
TR-05-070221

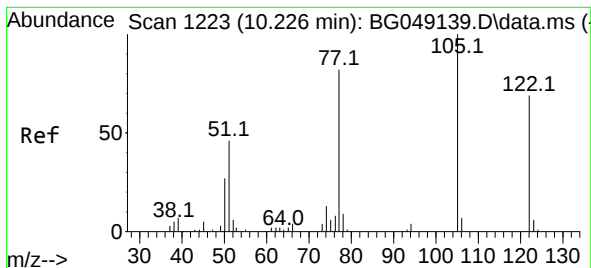
Tgt Ion:	136	Resp:	185178
Ion Ratio	Lower	Upper	
136	100		
137	9.5	8.2	12.2
54	8.4	5.5	8.3#
68	4.3	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 20.642 ng
RT: 9.251 min Scan# 1057
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:	82	Resp:	90159
Ion Ratio	Lower	Upper	
82	100		
128	37.1	29.8	44.6
54	59.2	45.8	68.8

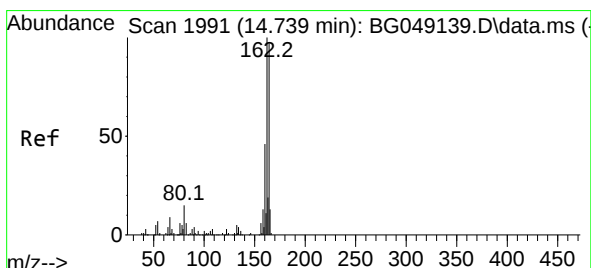
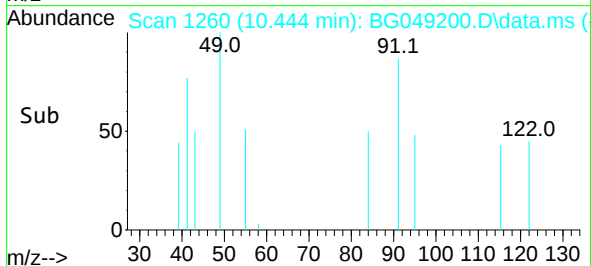
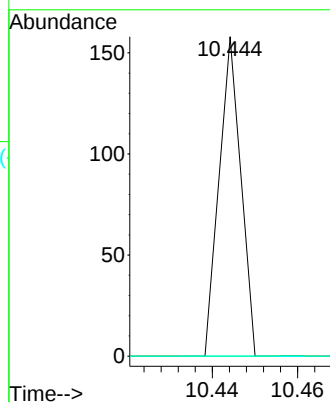
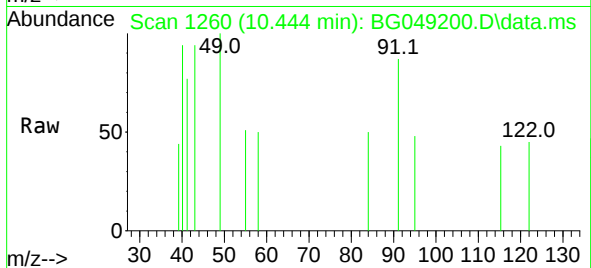




#32
Benzoic acid
Concen: 6.297 ng
RT: 10.444 min Scan# 1260
Delta R.T. 0.221 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

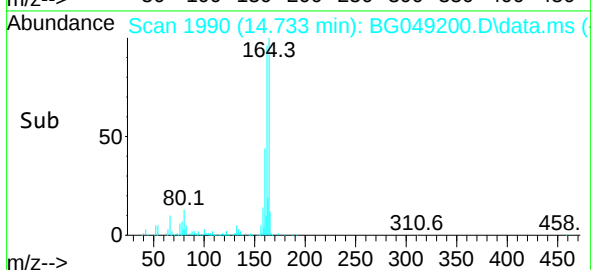
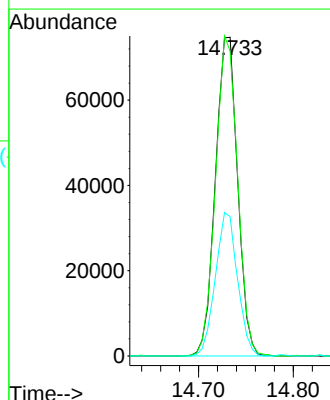
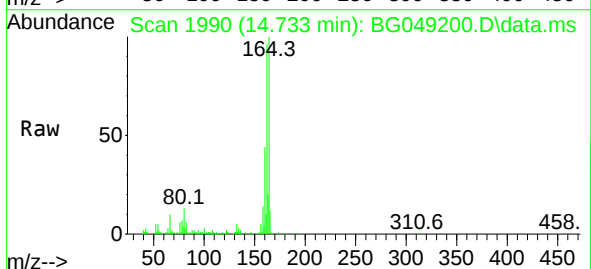
Instrument :
BNA_G
ClientSampleId :
TR-05-070221

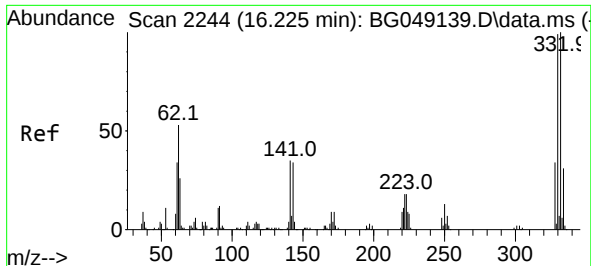
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.733 min Scan# 1990
Delta R.T. 0.003 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:164 Resp: 121673
Ion Ratio Lower Upper
164 100
162 95.6 81.4 122.0
160 43.8 34.9 52.3

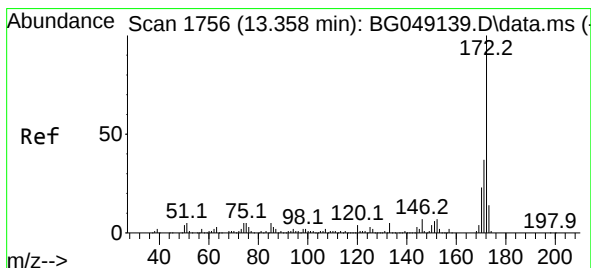
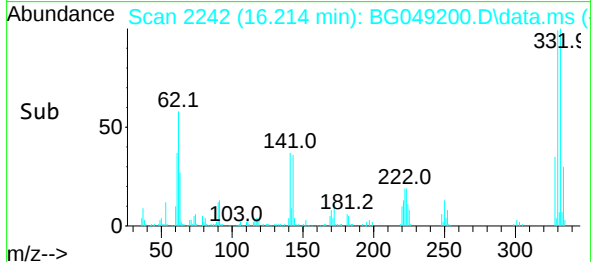
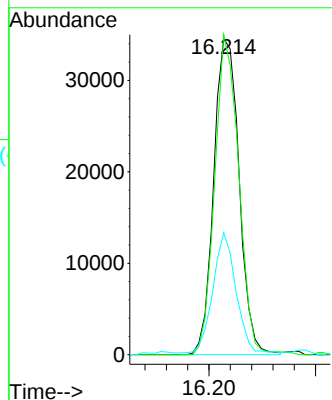
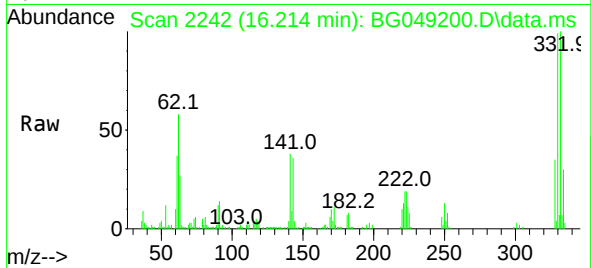




#42
2,4,6-Tribromophenol
Concen: 27.007 ng
RT: 16.214 min Scan# 2242
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

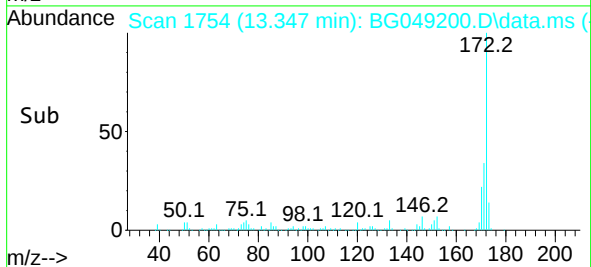
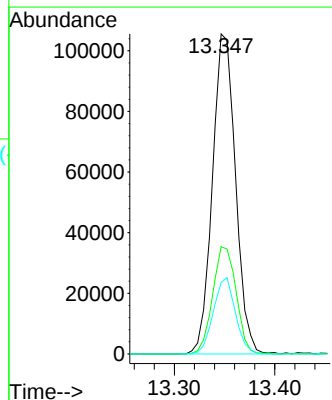
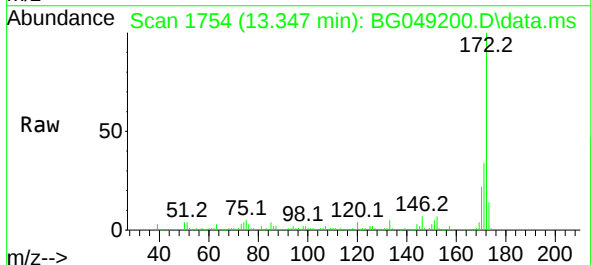
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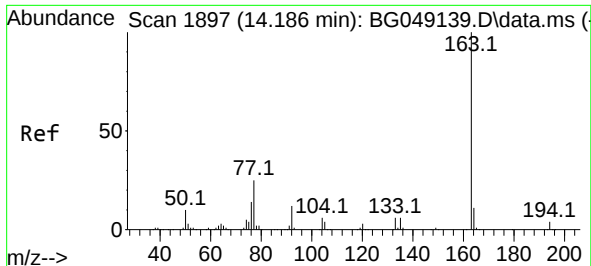
Tgt Ion:330 Resp: 56965
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 36.2 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 18.727 ng
RT: 13.347 min Scan# 1754
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:172 Resp: 168886
Ion Ratio Lower Upper
172 100
171 33.5 28.6 43.0
170 22.3 18.6 27.8

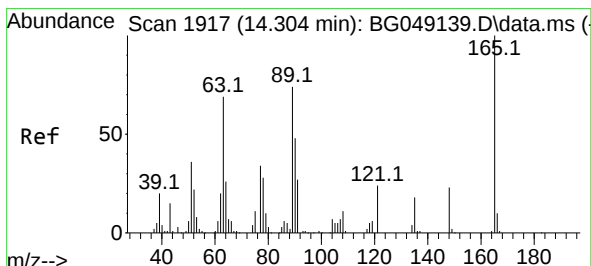
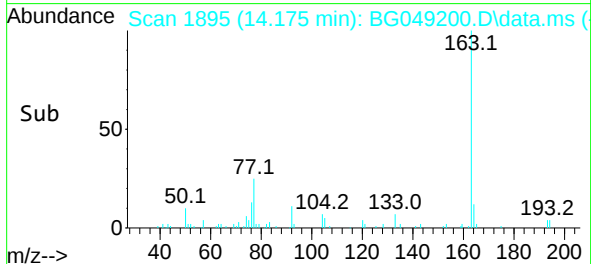
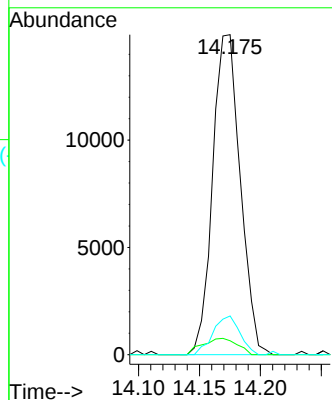
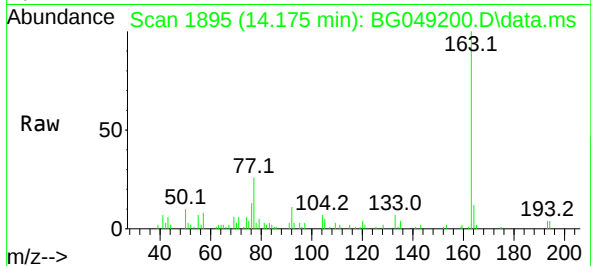




#50
Dimethylphthalate
Concen: 2.410 ng
RT: 14.175 min Scan# 1895
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

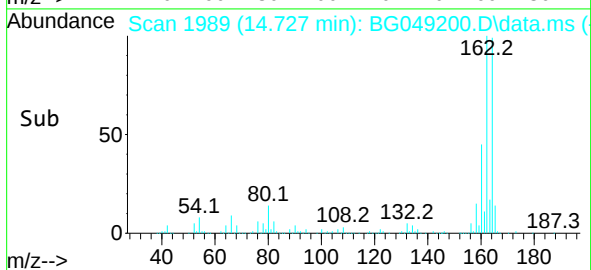
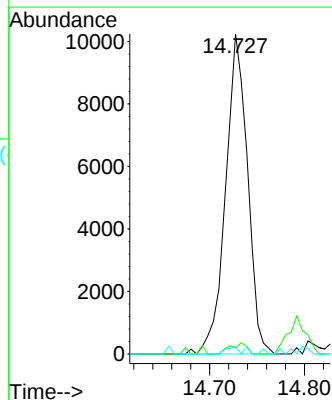
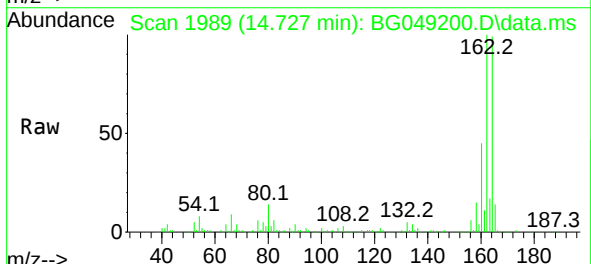
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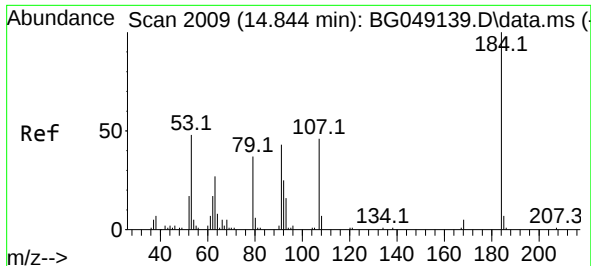
Tgt Ion:163 Resp: 23531
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 12.1 8.6 12.8



#51
2,6-Dinitrotoluene
Concen: 7.350 ng
RT: 14.727 min Scan# 1989
Delta R.T. 0.432 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:165 Resp: 16454
Ion Ratio Lower Upper
165 100
63 1.8 63.3 94.9#
89 2.4 63.4 95.0#

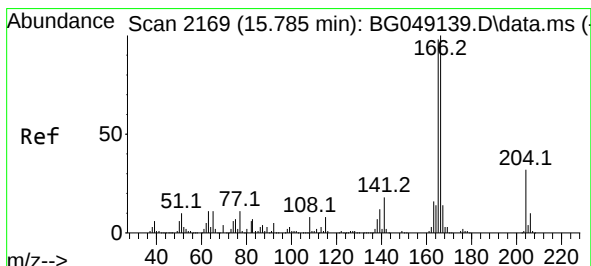
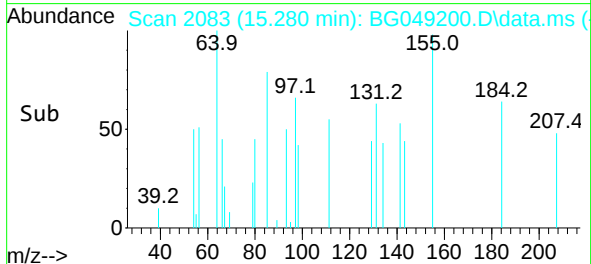
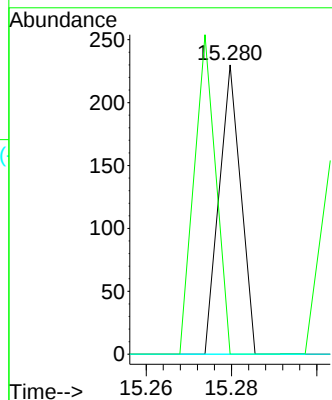
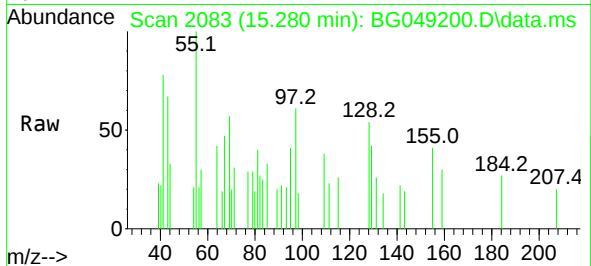




#54
2,4-Dinitrophenol
Concen: 5.214 ng
RT: 15.280 min Scan# 2083
Delta R.T. 0.444 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

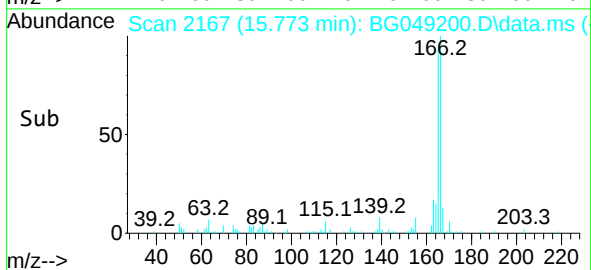
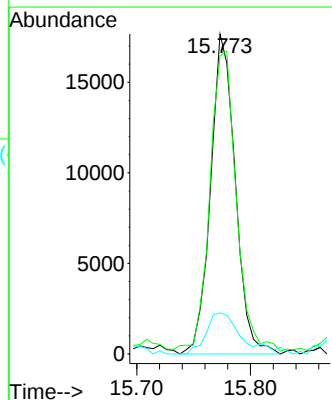
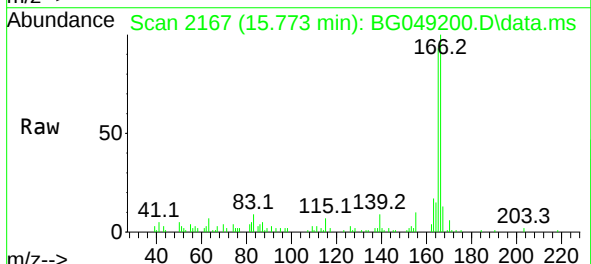
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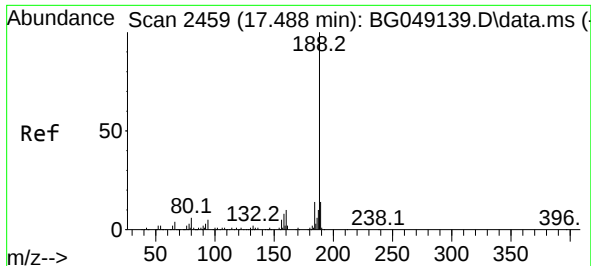
Tgt Ion:184 Resp: 81
Ion Ratio Lower Upper
184 100
63 0.0 68.3 102.5#
154 0.0 62.6 93.8#



#58
Fluorene
Concen: 2.693 ng
RT: 15.773 min Scan# 2167
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:166 Resp: 26650
Ion Ratio Lower Upper
166 100
165 93.1 77.7 116.5
167 12.9 10.8 16.2

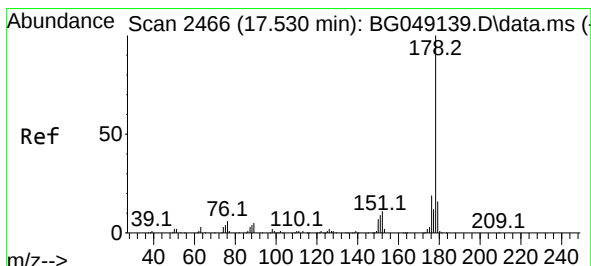
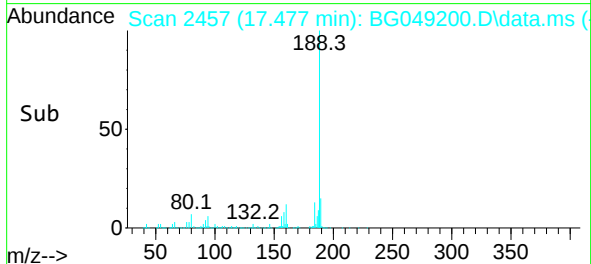
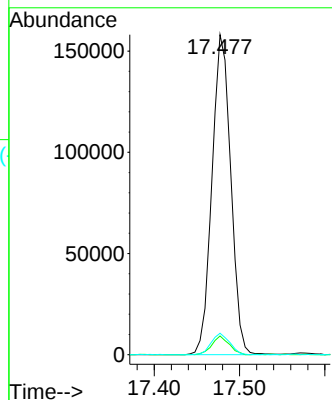
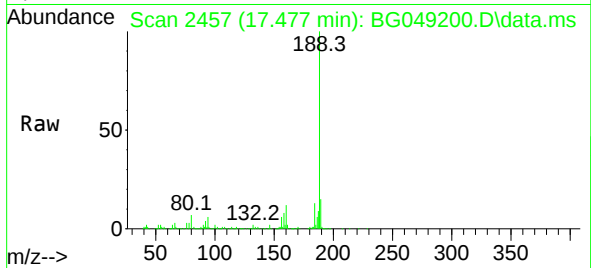




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.477 min Scan# 2457
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

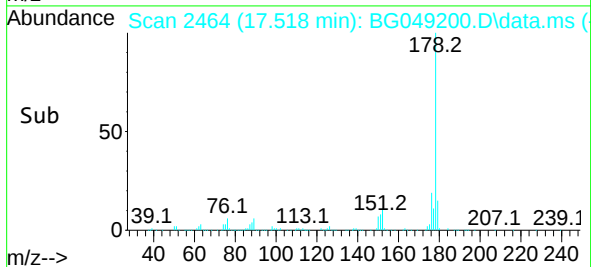
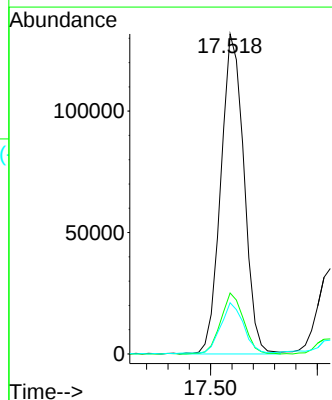
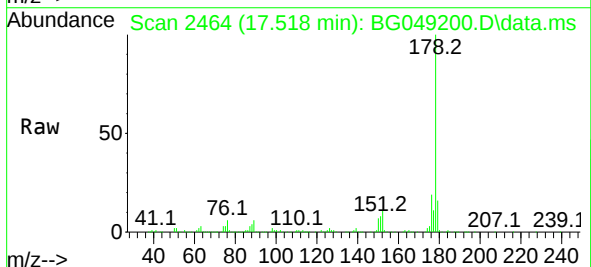
Instrument :
BNA_G
ClientSampleId :
TR-05-070221

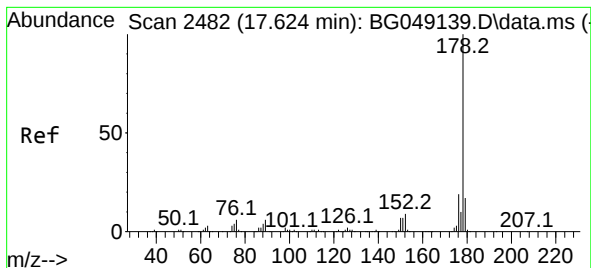
Tgt Ion:188 Resp: 242221
Ion Ratio Lower Upper
188 100
94 5.9 5.4 8.0
80 6.7 3.7 5.5#



#71
Phenanthrene
Concen: 14.202 ng
RT: 17.518 min Scan# 2464
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:178 Resp: 198093
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 16.0 14.2 21.4

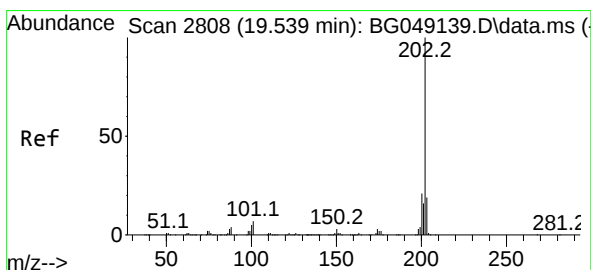
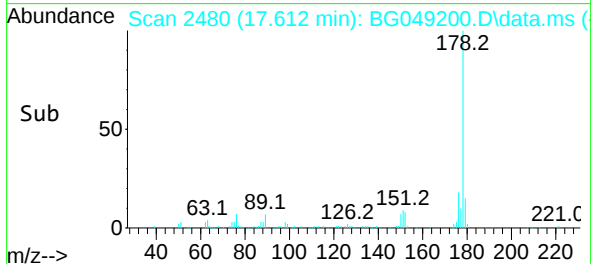
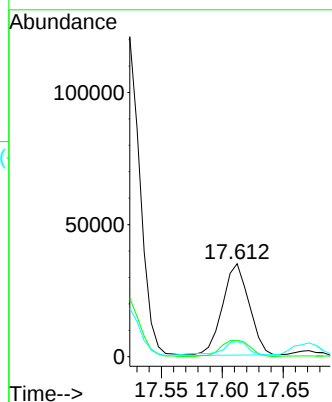
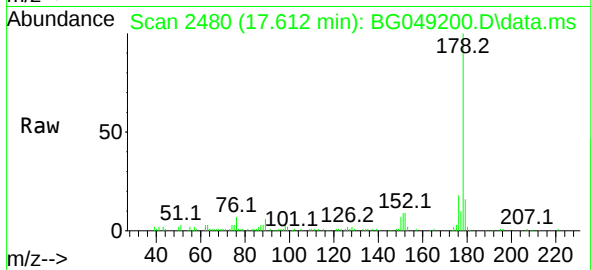




#72
 Anthracene
 Concen: 3.809 ng
 RT: 17.612 min Scan# 2480
 Delta R.T. 0.003 min
 Lab File: BG049200.D
 Acq: 7 Jul 2021 15:21

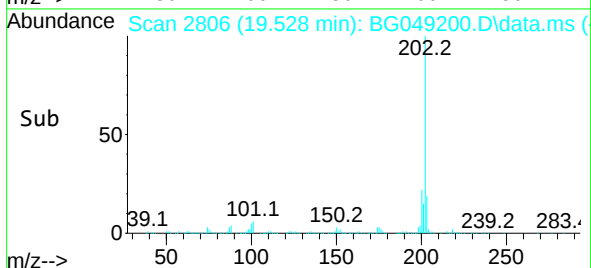
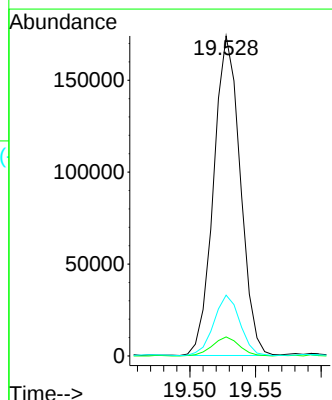
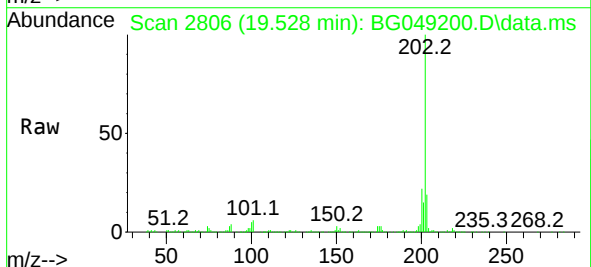
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-070221

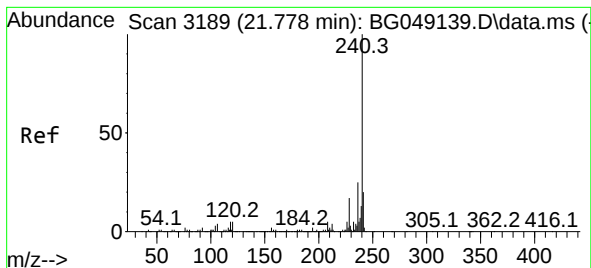
Tgt Ion:178 Resp: 52966
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.6 21.8
 179 16.1 13.4 20.0



#75
 Fluoranthene
 Concen: 14.057 ng
 RT: 19.528 min Scan# 2806
 Delta R.T. -0.002 min
 Lab File: BG049200.D
 Acq: 7 Jul 2021 15:21

Tgt Ion:202 Resp: 245461
 Ion Ratio Lower Upper
 202 100
 101 5.9 0.0 24.7
 203 19.0 0.0 38.5

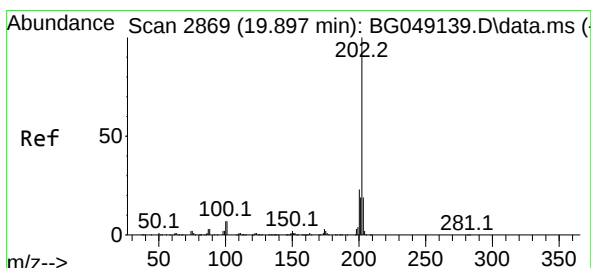
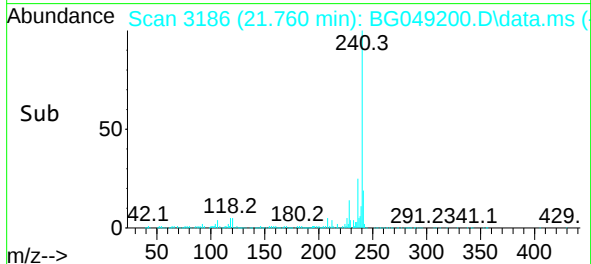
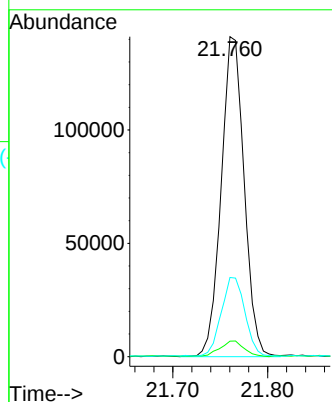
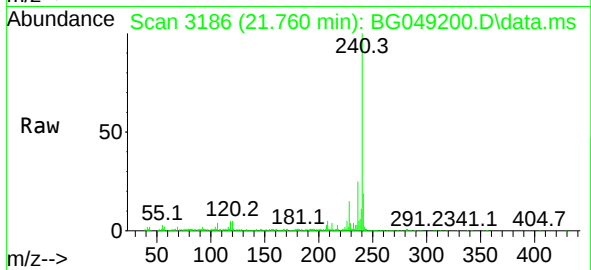




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.760 min Scan# 3186
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

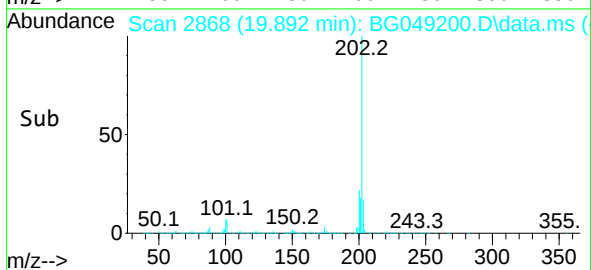
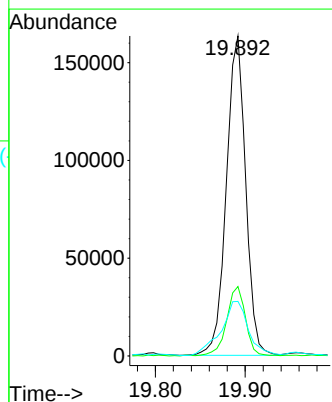
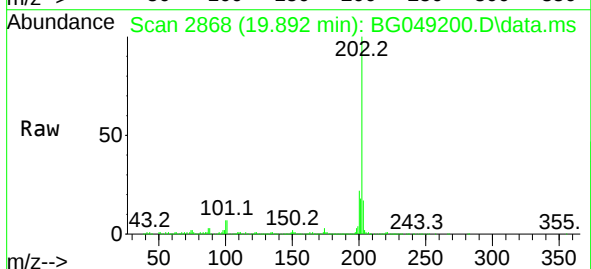
Instrument :
BNA_G
ClientSampleId :
TR-05-070221

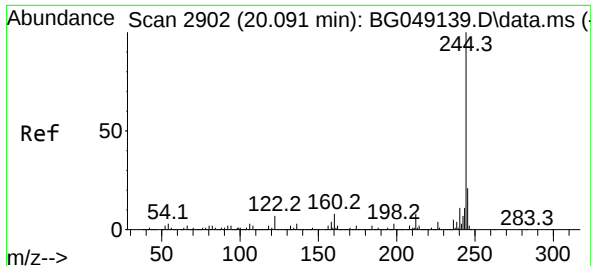
Tgt Ion:240 Resp: 237606
Ion Ratio Lower Upper
240 100
120 4.9 4.2 6.2
236 24.8 21.8 32.6



#78
Pyrene
Concen: 13.831 ng
RT: 19.892 min Scan# 2868
Delta R.T. 0.003 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:202 Resp: 244082
Ion Ratio Lower Upper
202 100
200 21.7 15.8 23.8
203 17.1 14.6 21.8

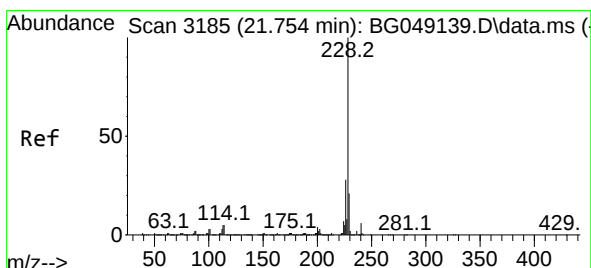
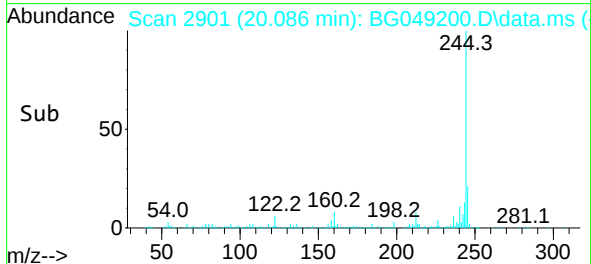
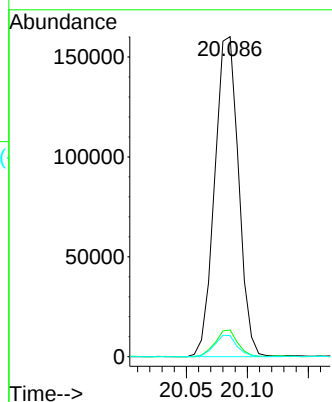
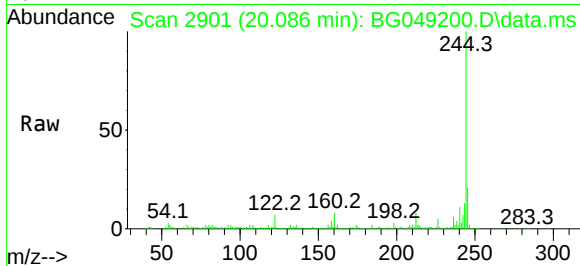




#79
Terphenyl-d14
Concen: 15.571 ng
RT: 20.086 min Scan# 2901
Delta R.T. 0.003 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

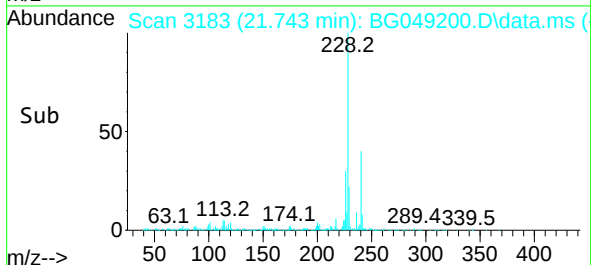
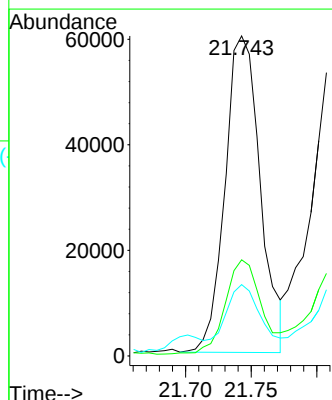
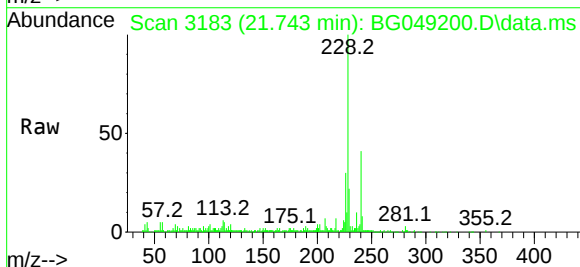
Instrument :
BNA_G
ClientSampleId :
TR-05-070221

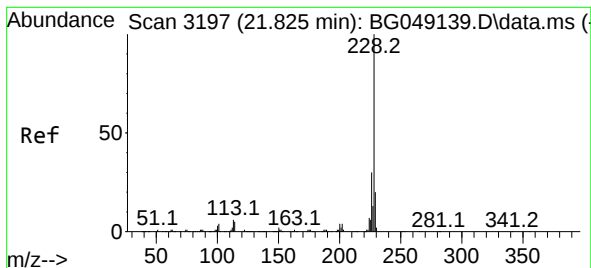
Tgt Ion:244 Resp: 218337
Ion Ratio Lower Upper
244 100
212 8.4 6.9 10.3
122 6.6 5.0 7.6



#81
Benzo(a)anthracene
Concen: 6.325 ng
RT: 21.743 min Scan# 3183
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

Tgt Ion:228 Resp: 112097
Ion Ratio Lower Upper
228 100
226 30.0 22.7 34.1
229 22.3 16.0 24.0





#83

Chrysene

Concen: 6.339 ng

RT: 21.813 min Scan# 3195

Delta R.T. 0.003 min

Lab File: BG049200.D

Acq: 7 Jul 2021 15:21

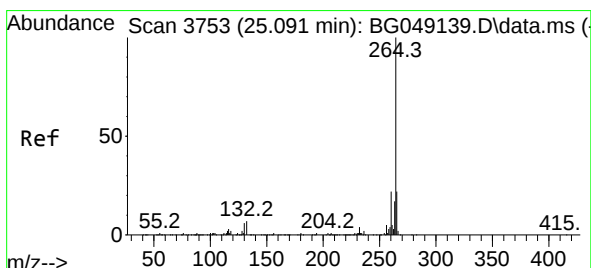
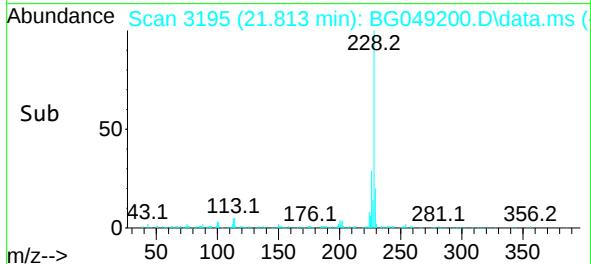
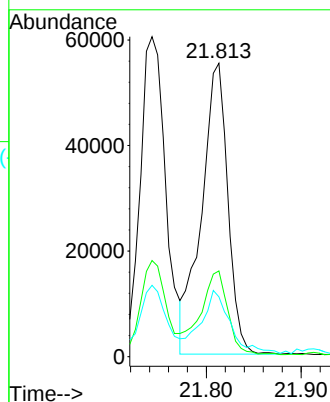
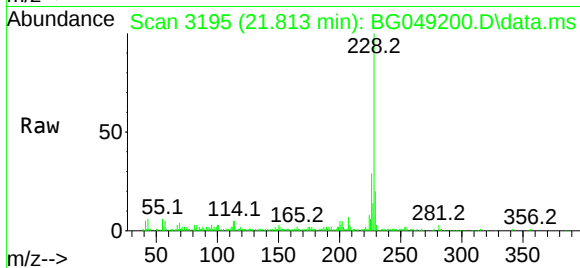
Tgt Ion:228 Resp: 106729

Ion Ratio Lower Upper

228 100

226 29.2 23.1 34.7

229 20.4 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.074 min Scan# 3750

Delta R.T. 0.009 min

Lab File: BG049200.D

Acq: 7 Jul 2021 15:21

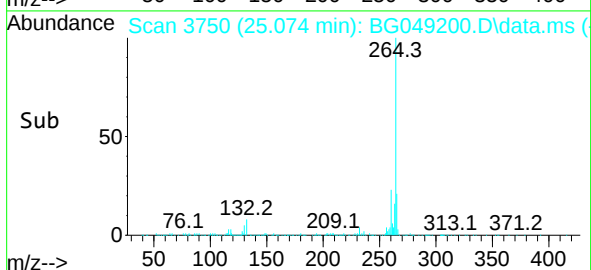
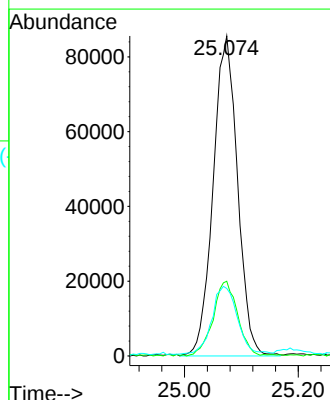
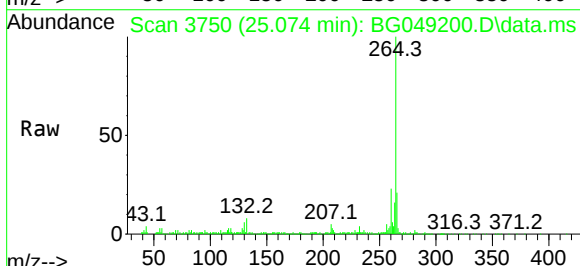
Tgt Ion:264 Resp: 254671

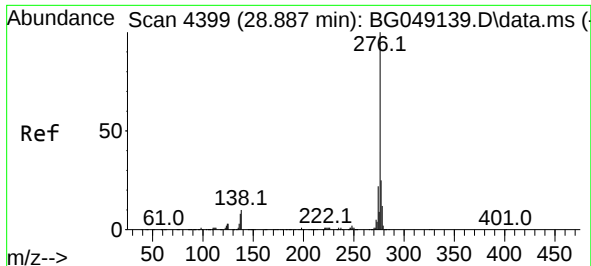
Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 21.1 16.9 25.3

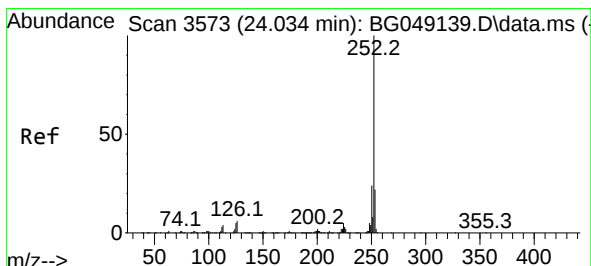
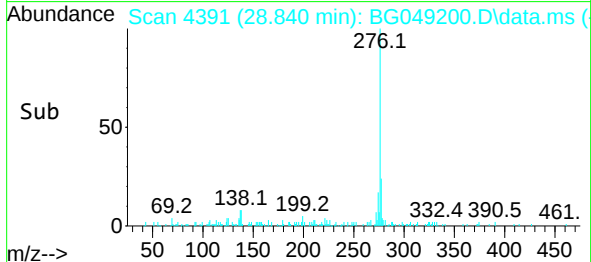
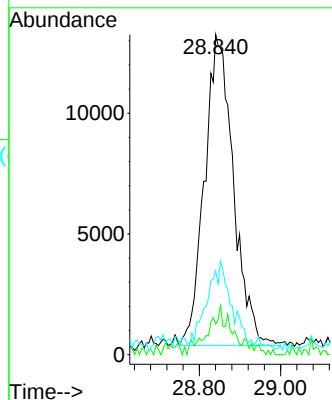
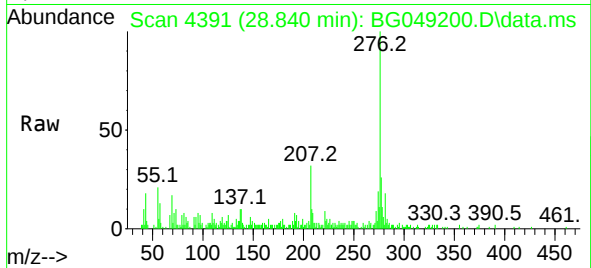




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.124 ng
 RT: 28.840 min Scan# 4391
 Delta R.T. -0.020 min
 Lab File: BG049200.D
 Acq: 7 Jul 2021 15:21

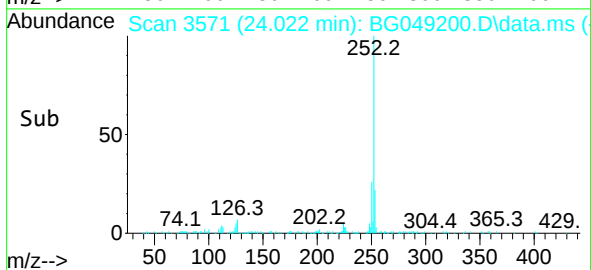
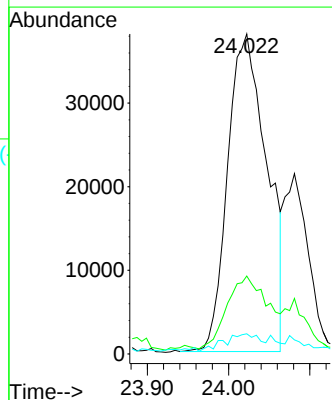
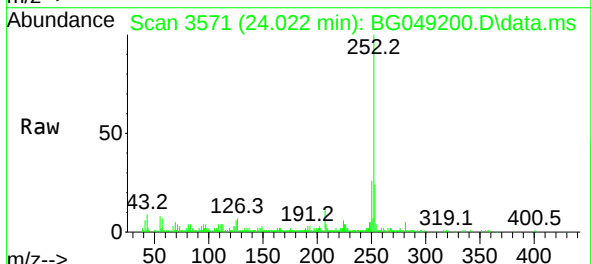
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-070221

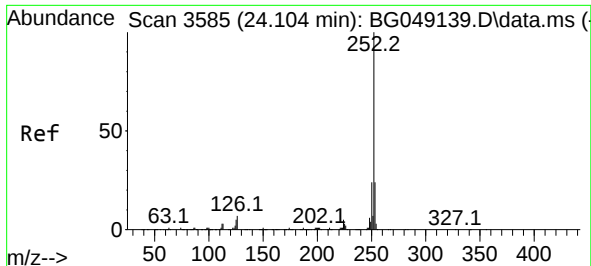
Tgt Ion:276 Resp: 63476
 Ion Ratio Lower Upper
 276 100
 138 5.1 5.1 7.7
 277 24.6 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 6.940 ng
 RT: 24.022 min Scan# 3571
 Delta R.T. 0.003 min
 Lab File: BG049200.D
 Acq: 7 Jul 2021 15:21

Tgt Ion:252 Resp: 127545
 Ion Ratio Lower Upper
 252 100
 253 24.4 16.2 24.4#
 125 6.3 3.0 4.4#

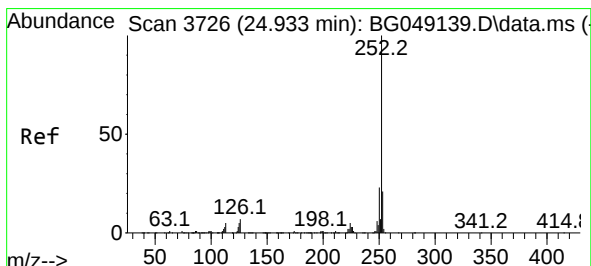
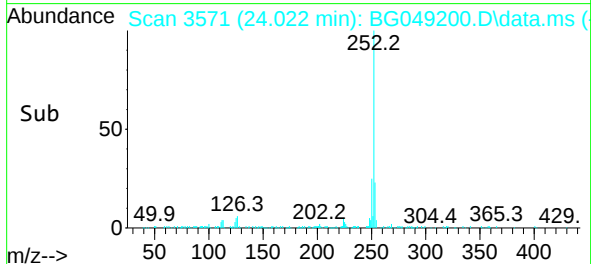
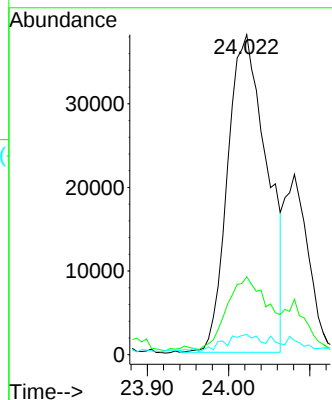
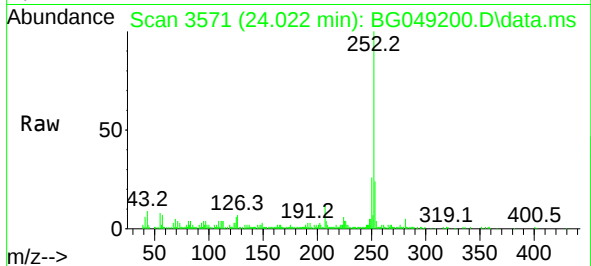




#89
Benzo(k)fluoranthene
Concen: 7.275 ng
RT: 24.022 min Scan# 3571
Delta R.T. -0.067 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

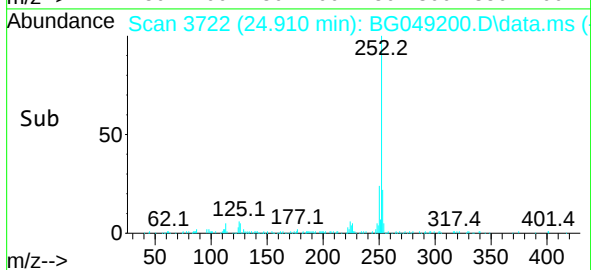
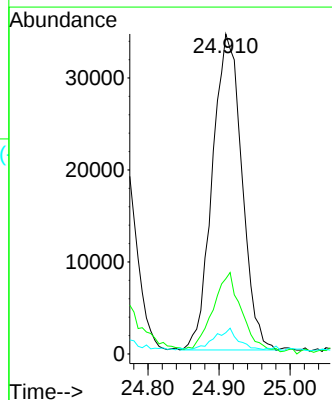
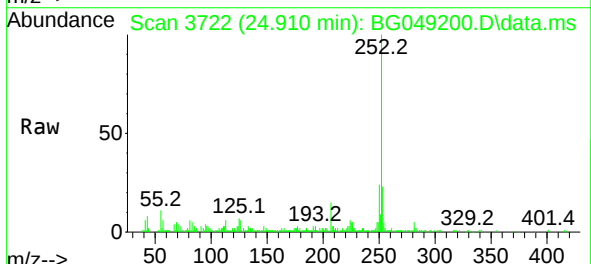
Instrument :
BNA_G
ClientSampled :
TR-05-070221

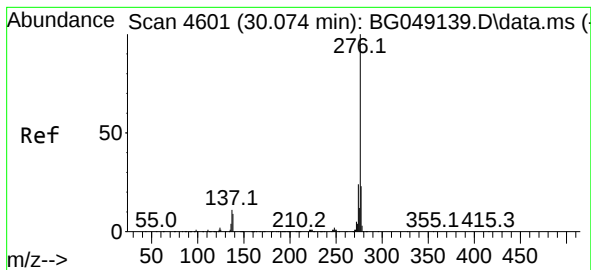
Tgt Ion:252 Resp: 127545
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 6.3 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 5.829 ng
RT: 24.910 min Scan# 3722
Delta R.T. -0.002 min
Lab File: BG049200.D
Acq: 7 Jul 2021 15:21

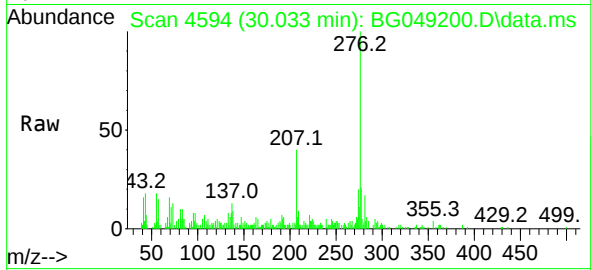
Tgt Ion:252 Resp: 98825
Ion Ratio Lower Upper
252 100
253 23.5 16.6 25.0
125 6.7 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 3.692 ng
 RT: 30.033 min Scan# 4594
 Delta R.T. -0.002 min
 Lab File: BG049200.D
 Acq: 7 Jul 2021 15:21

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-070221



Tgt Ion:276 Resp: 62428

Ion	Ratio	Lower	Upper
276	100		
277	21.3	18.4	27.6
138	9.0	7.0	10.6

