

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049861.D
 Acq On : 16 Aug 2021 22:32
 Operator : CG/JU
 Sample : M3404-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP1-1-6FT

Quant Time: Aug 17 04:43:17 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)

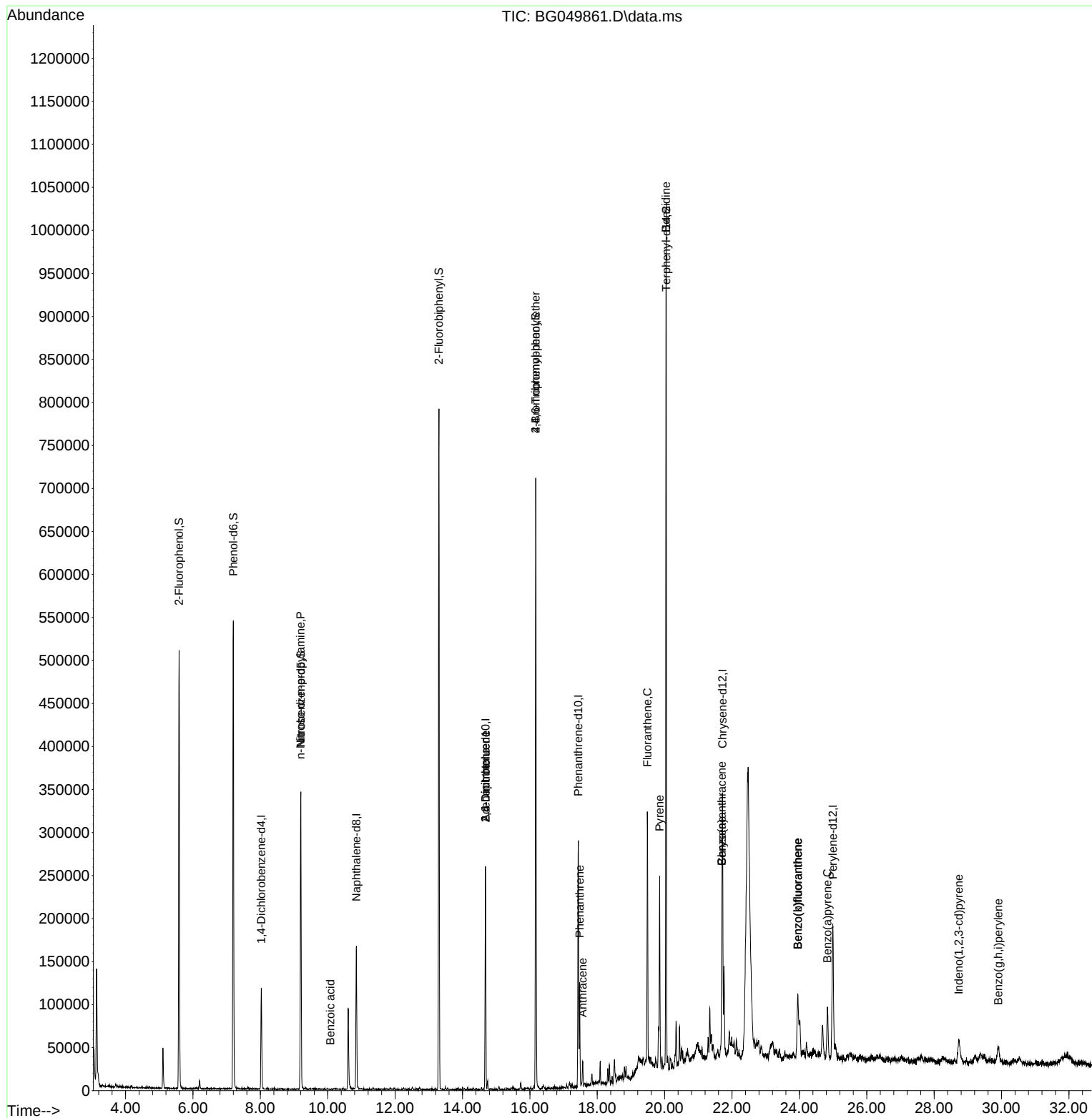
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.026	152	33900	20.000	ng	0.00
21) Naphthalene-d8	10.851	136	139400	20.000	ng	0.00
39) Acenaphthene-d10	14.682	164	90848	20.000	ng	0.00
64) Phenanthrene-d10	17.437	188	179191	20.000	ng	# 0.00
76) Chrysene-d12	21.713	240	156158	20.000	ng	0.00
86) Perylene-d12	24.991	264	163684	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.588	112	207256	109.596	ng	0.00
7) Phenol-d6	7.198	99	296707	103.648	ng	0.00
23) Nitrobenzene-d5	9.201	82	214100	67.964	ng	0.00
42) 2,4,6-Tribromophenol	16.174	330	138706	103.873	ng	0.00
45) 2-Fluorobiphenyl	13.301	172	398936	63.896	ng	0.00
79) Terphenyl-d14	20.045	244	468578	54.498	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.195	70	32579	17.007	ng	# 62
32) Benzoic acid	10.082	122	57	4.985	ng	# 1
51) 2,6-Dinitrotoluene	14.682	165	11539	7.646	ng	# 11
57) 2,4-Dinitrotoluene	14.682	165	11539	5.444	ng	# 17
67) 4-Bromophenyl-phenylether	16.174	248	8685	4.115	ng	# 1
71) Phenanthrene	17.478	178	74947	7.950	ng	100
72) Anthracene	17.566	178	19095	2.062	ng	93
75) Fluoranthene	19.487	202	176699	15.231	ng	97
77) Benzidine	20.039	184	9558	2.389	ng	# 81
78) Pyrene	19.851	202	143311	13.461	ng	97
81) Benzo(a)anthracene	21.696	228	83727	8.233	ng	96
83) Chrysene	21.696	228	83727	8.613	ng	95
87) Indeno(1,2,3-cd)pyrene	28.727	276	45634	3.866	ng	# 94
88) Benzo(b)fluoranthene	23.951	252	94489	8.802	ng	# 93
89) Benzo(k)fluoranthene	23.951	252	94489	9.436	ng	# 98
90) Benzo(a)pyrene	24.833	252	64539	6.643	ng	99
92) Benzo(g,h,i)perylene	29.902	276	38617	3.963	ng	93

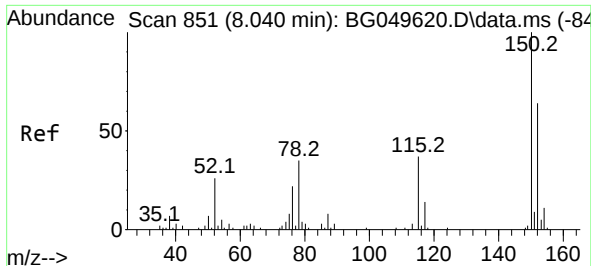
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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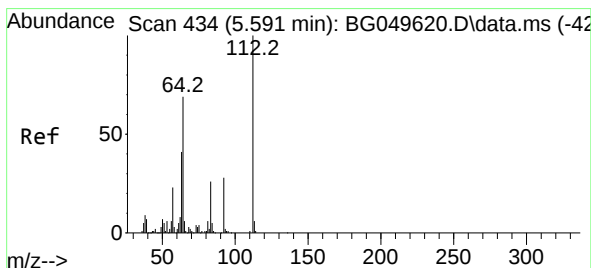
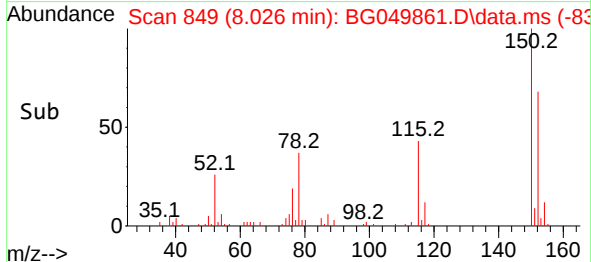
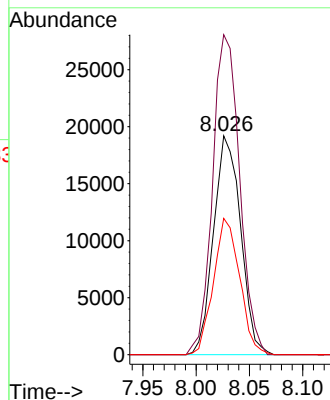
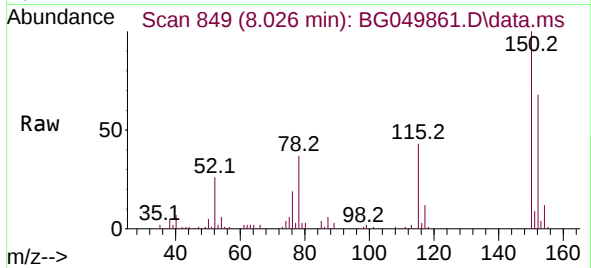




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.026 min Scan# 849
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

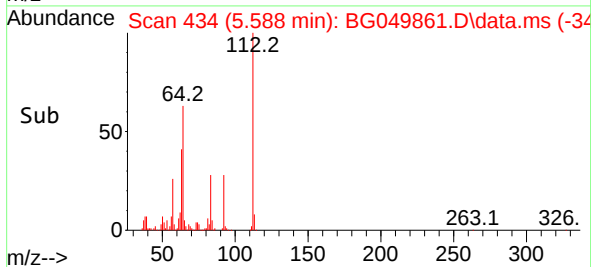
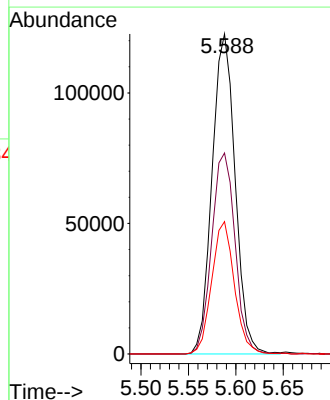
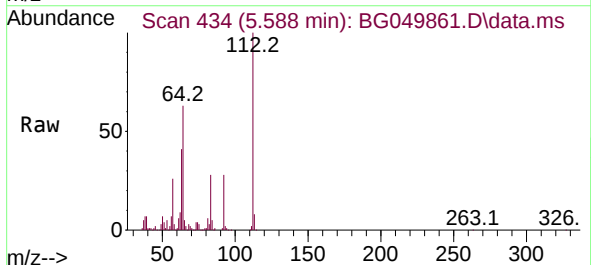
Instrument :
BNA_G
ClientSampleId :
TP1-1-6FT

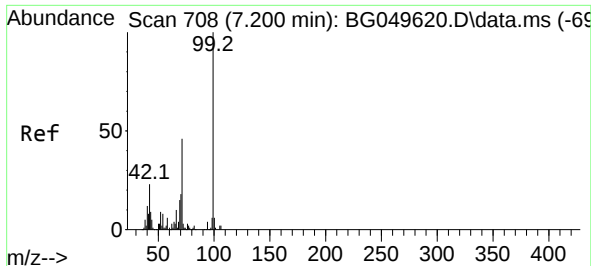
Tgt Ion:152 Resp: 33900
Ion Ratio Lower Upper
152 100
150 146.1 119.4 179.0
115 62.2 60.2 90.4



#5
2-Fluorophenol
Concen: 109.596 ng
RT: 5.588 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:112 Resp: 207256
Ion Ratio Lower Upper
112 100
64 62.8 46.7 70.1
63 41.3 35.3 52.9

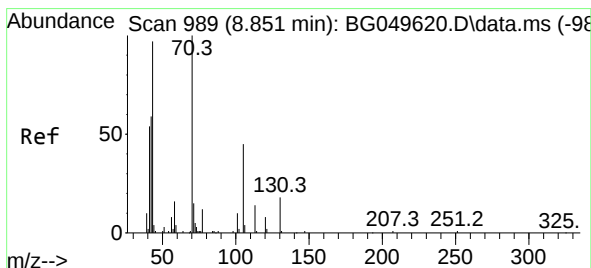
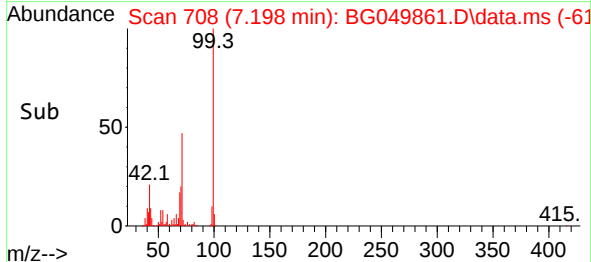
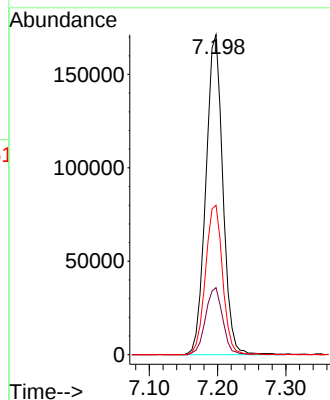
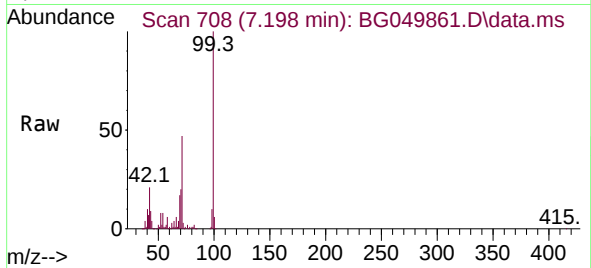




#7
Phenol-d6
Concen: 103.648 ng
RT: 7.198 min Scan# 708
Delta R.T. 0.004 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

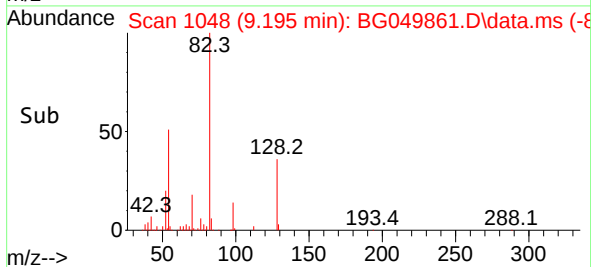
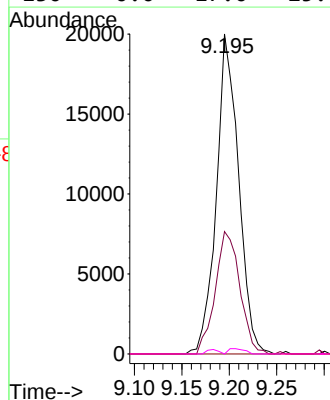
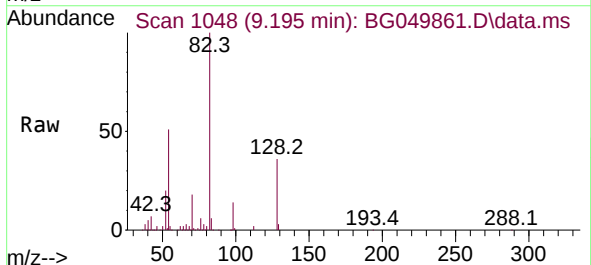
Instrument :
BNA_G
ClientSampleId :
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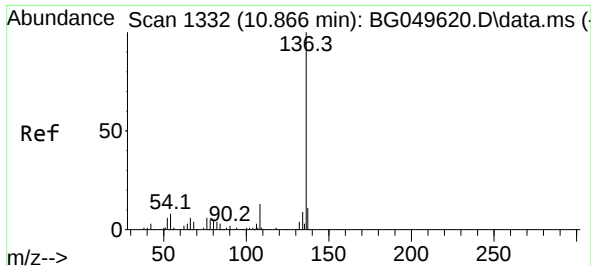
Tgt Ion:	99	Resp:	296707
Ion	Ratio	Lower	Upper
99	100		
42	21.0	20.5	30.7
71	46.7	41.5	62.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.007 ng
RT: 9.195 min Scan# 1048
Delta R.T. 0.356 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:	70	Resp:	32579
Ion	Ratio	Lower	Upper
70	100		
42	38.2	54.5	81.7#
101	0.0	9.0	13.6#
130	0.0	17.0	25.6#

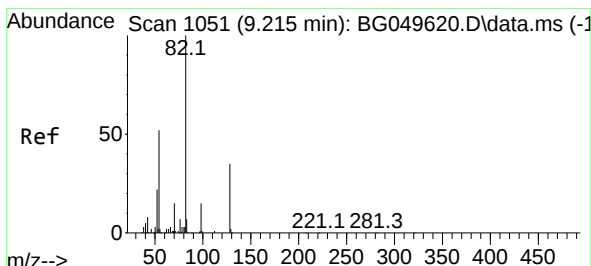
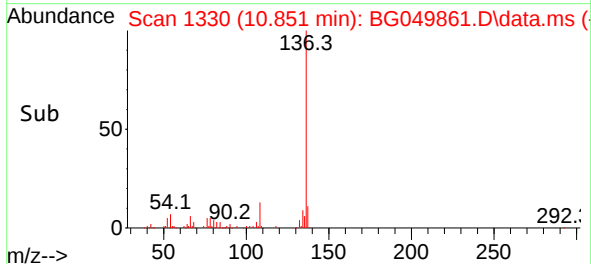
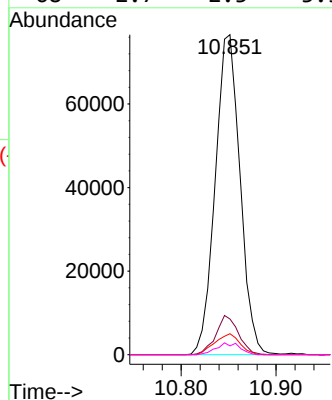
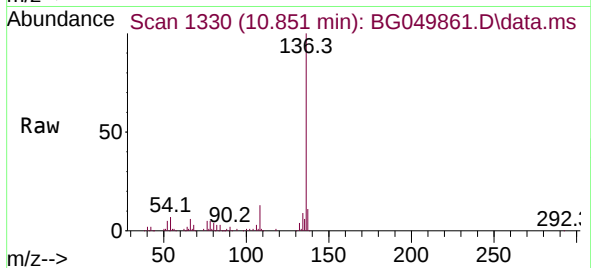




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.851 min Scan# 1330
Delta R.T. 0.004 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

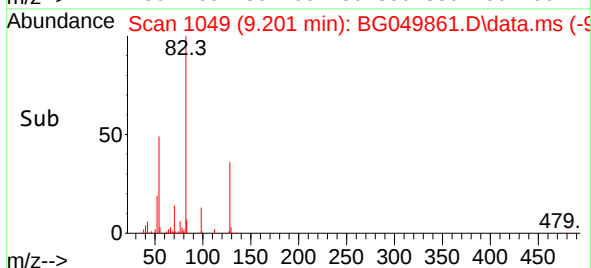
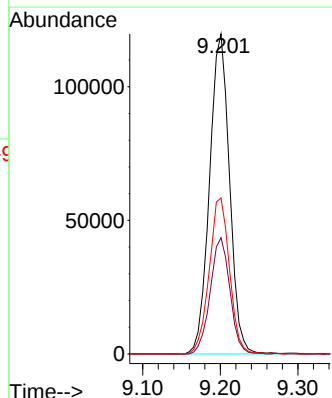
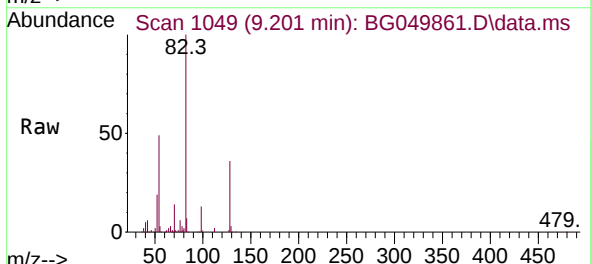
Instrument :
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ClientSampleId :
TP1-1-6FT

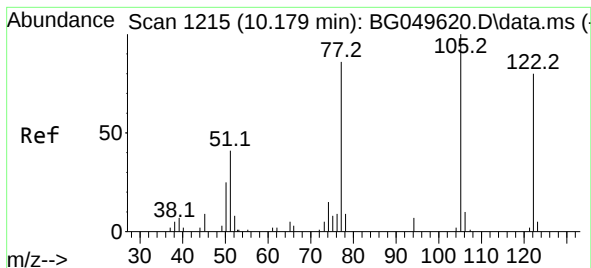
Tgt Ion:	136	Resp:	139400
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.2	12.2
54	6.6	5.5	8.3
68	2.7	2.3	3.5



#23
Nitrobenzene-d5
Concen: 67.964 ng
RT: 9.201 min Scan# 1049
Delta R.T. 0.004 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:	82	Resp:	214100
Ion Ratio	Lower	Upper	
82	100		
128	36.4	29.8	44.6
54	48.7	45.8	68.8

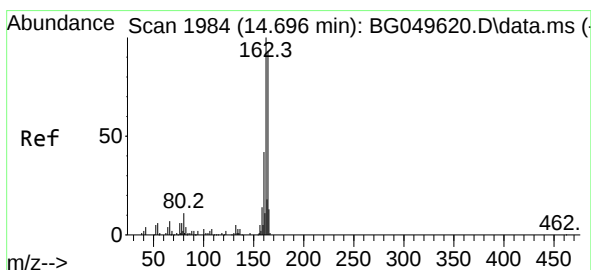
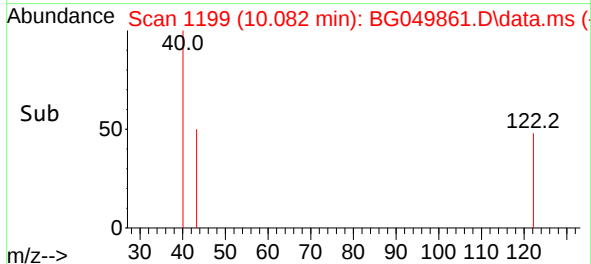
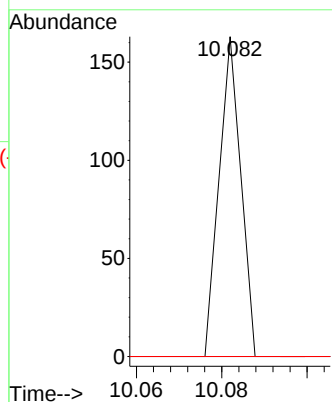
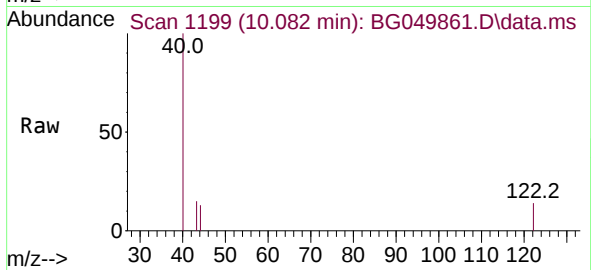




#32
Benzoic acid
Concen: 4.985 ng
RT: 10.082 min Scan# 1199
Delta R.T. -0.084 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

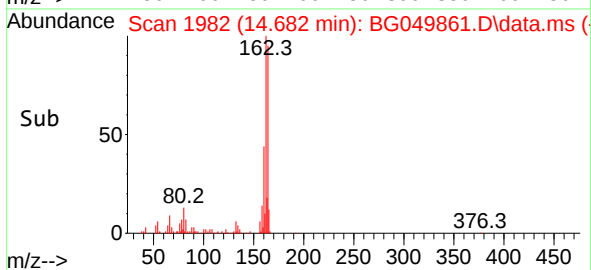
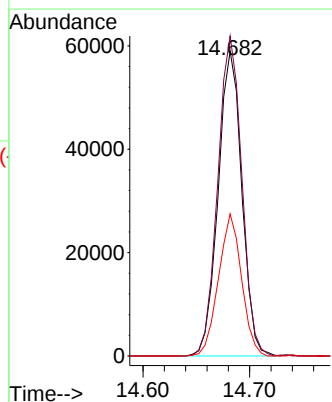
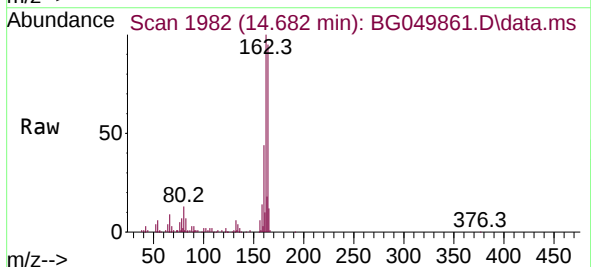
Instrument :
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ClientSampleId :
TP1-1-6FT

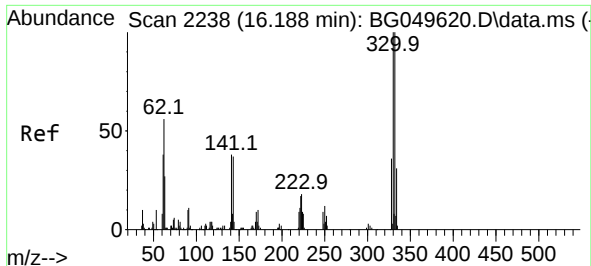
Tgt Ion:122	Resp:	57
Ion Ratio	Lower	Upper
122	100	
105	0.0	92.3 132.3#
77	0.0	66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.682 min Scan# 1982
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:164	Resp:	90848
Ion Ratio	Lower	Upper
164	100	
162	105.0	81.4 122.0
160	46.6	34.9 52.3

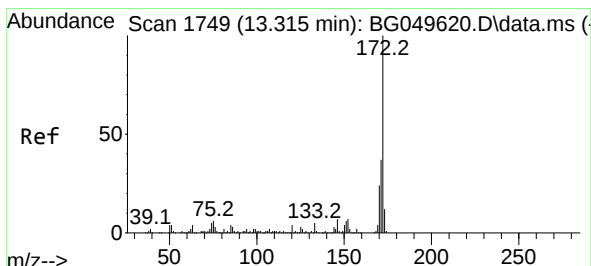
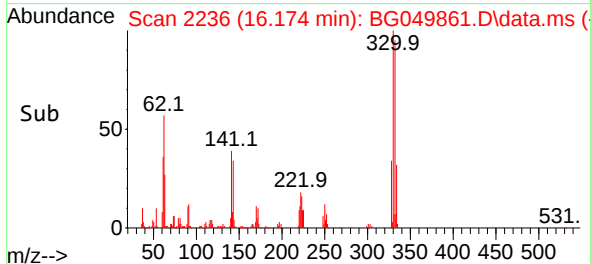
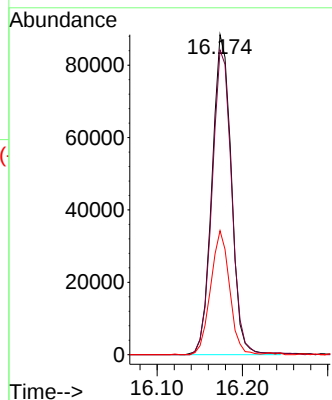
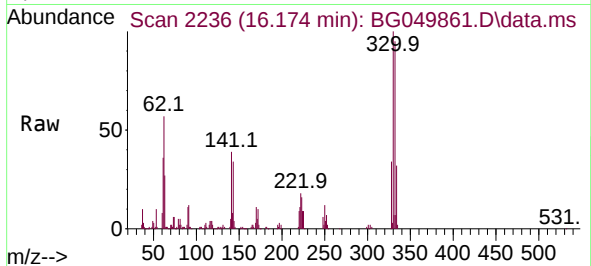




#42
2,4,6-Tribromophenol
Concen: 103.873 ng
RT: 16.174 min Scan# 2236
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

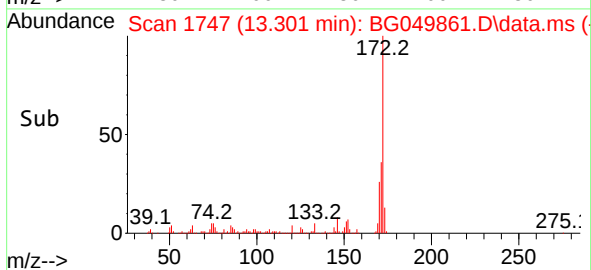
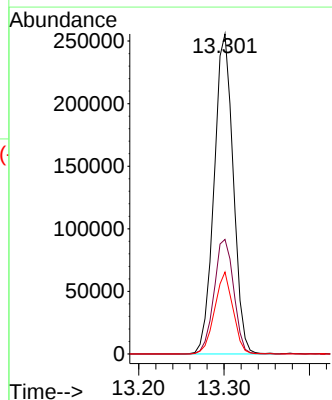
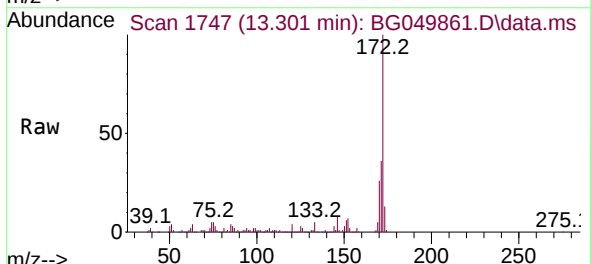
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ClientSampleId :
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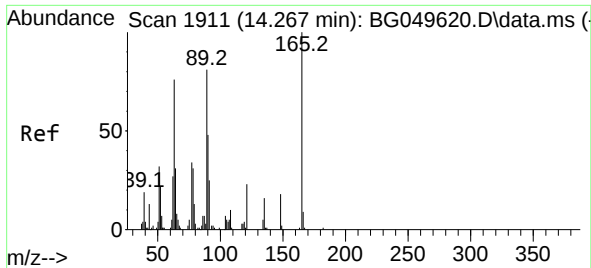
Tgt Ion:330 Resp: 138706
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 37.9 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 63.896 ng
RT: 13.301 min Scan# 1747
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:172 Resp: 398936
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 25.6 18.6 27.8

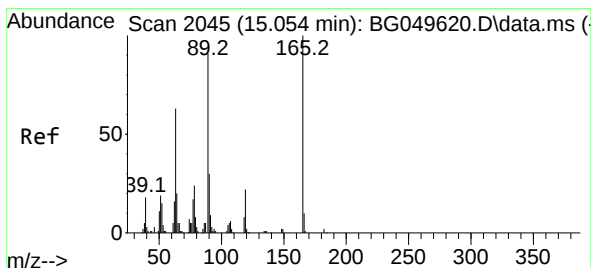
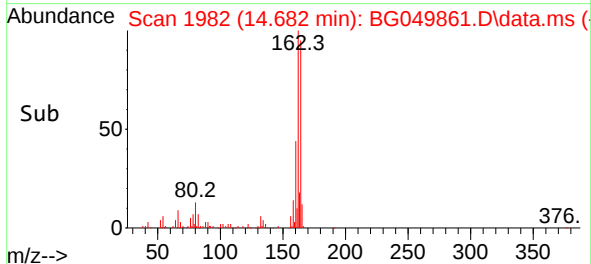
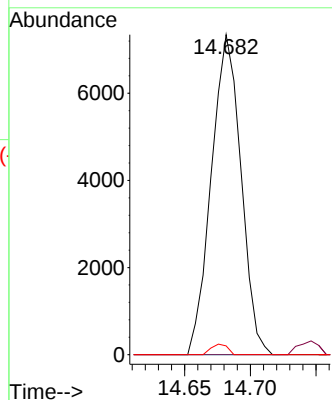
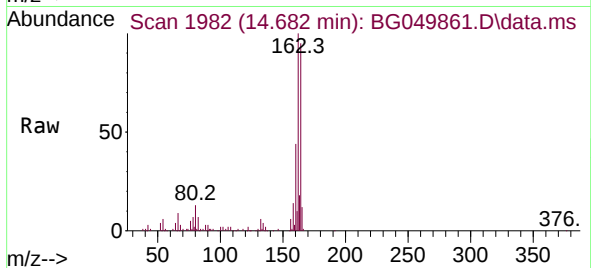




#51
2,6-Dinitrotoluene
Concen: 7.646 ng
RT: 14.682 min Scan# 1982
Delta R.T. 0.427 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

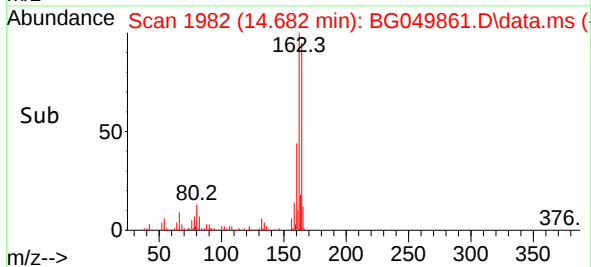
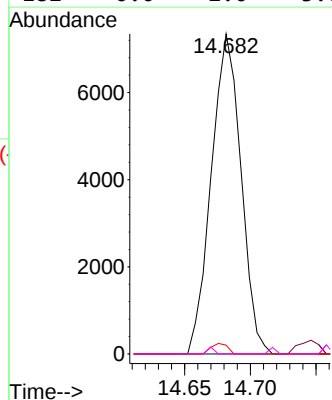
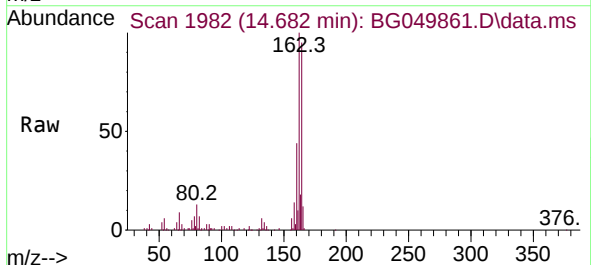
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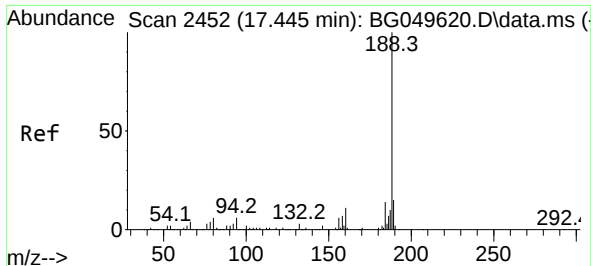
Tgt Ion:165 Resp: 11539
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.8 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.444 ng
RT: 14.682 min Scan# 1982
Delta R.T. -0.366 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:165 Resp: 11539
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 2.8 65.4 98.0#
182 0.0 2.0 3.0#

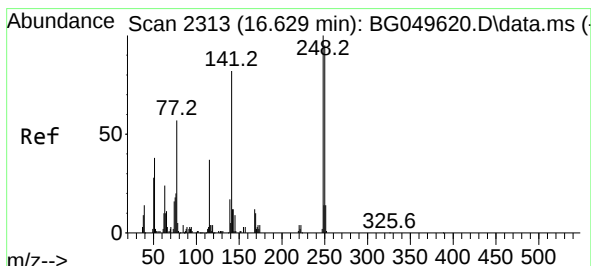
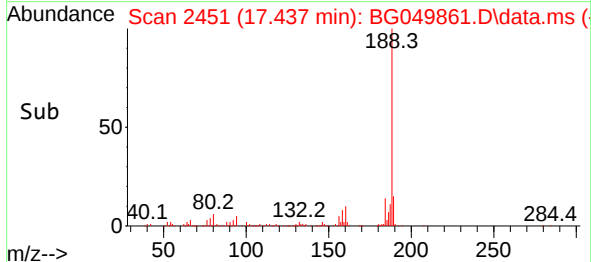
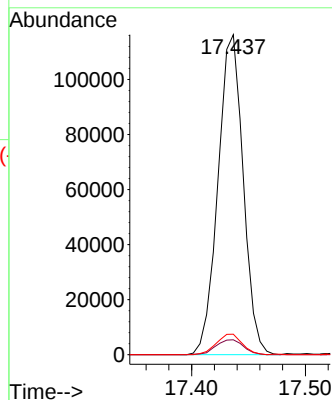
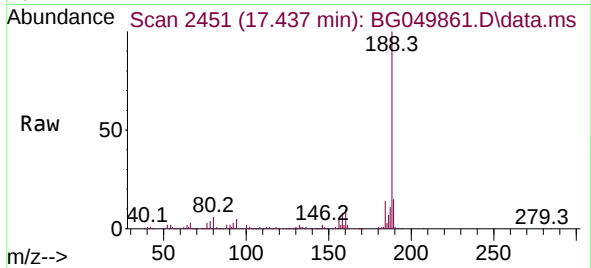




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.437 min Scan# 2451
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

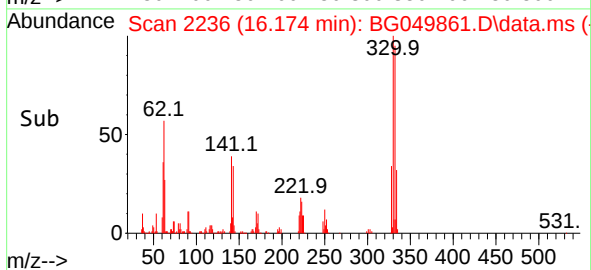
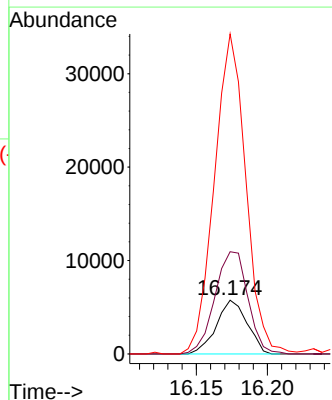
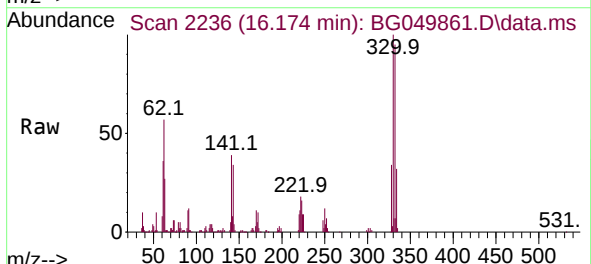
Instrument :
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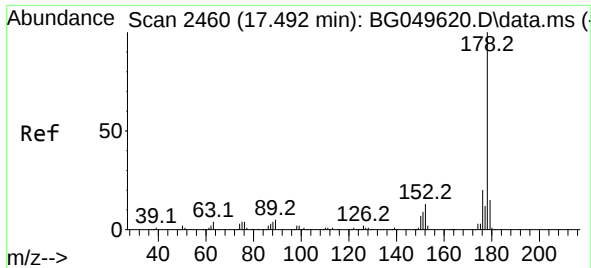
Tgt Ion:188 Resp: 179191
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0#
80 6.4 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.115 ng
RT: 16.174 min Scan# 2236
Delta R.T. -0.443 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:248 Resp: 8685
Ion Ratio Lower Upper
248 100
250 190.4 76.1 114.1#
141 596.0 65.4 98.2#

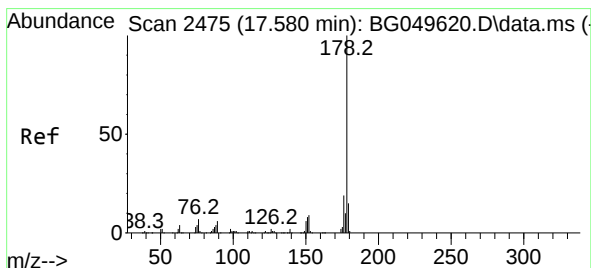
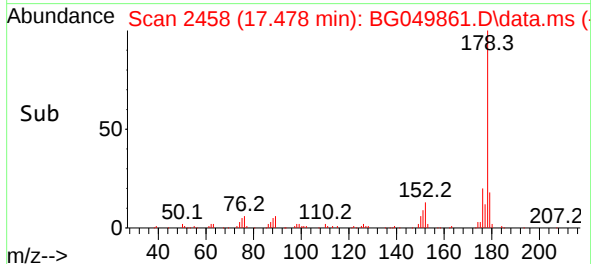
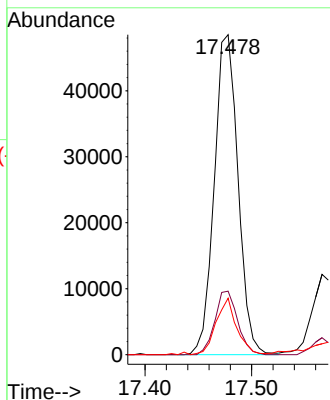
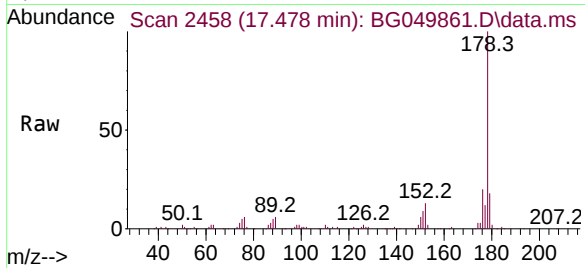




#71
Phenanthrene
Concen: 7.950 ng
RT: 17.478 min Scan# 2458
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

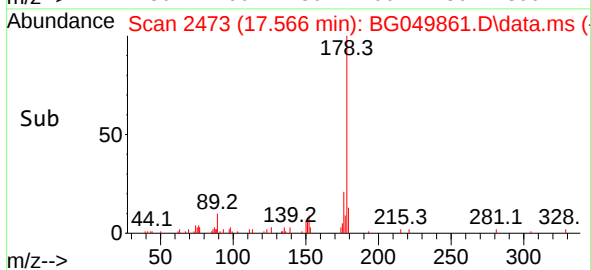
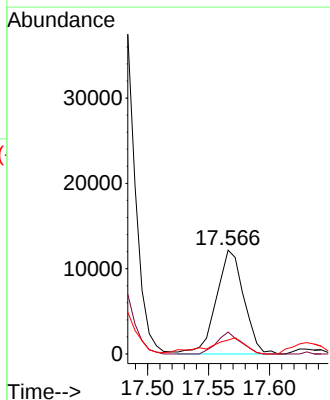
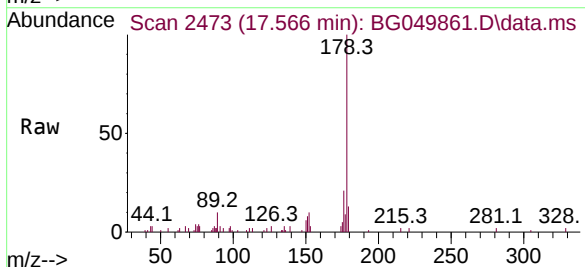
Instrument :
BNA_G
ClientSampleId :
TP1-1-6FT

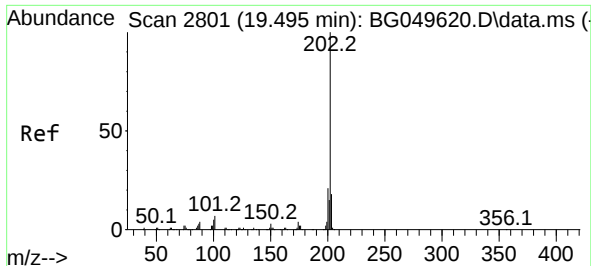
Tgt Ion:178 Resp: 74947
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 17.7 14.2 21.4



#72
Anthracene
Concen: 2.062 ng
RT: 17.566 min Scan# 2473
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:178 Resp: 19095
Ion Ratio Lower Upper
178 100
176 21.1 14.6 21.8
179 13.5 13.4 20.0

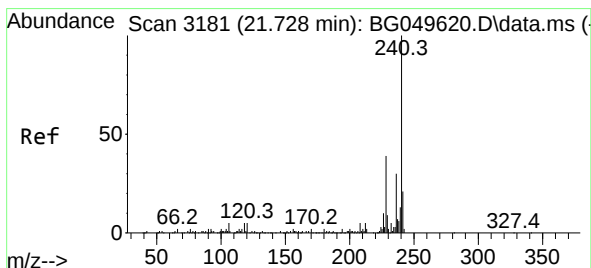
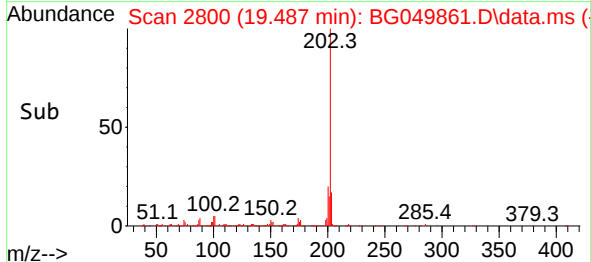
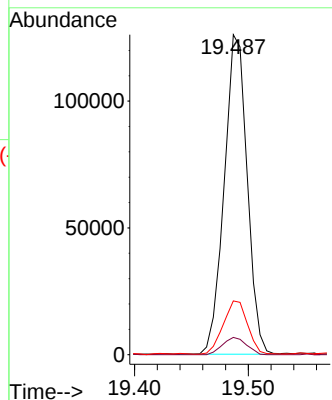
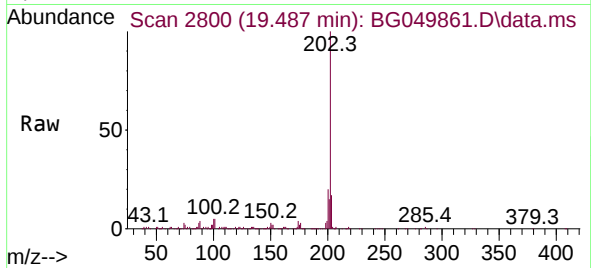




#75
Fluoranthene
Concen: 15.231 ng
RT: 19.487 min Scan# 2800
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

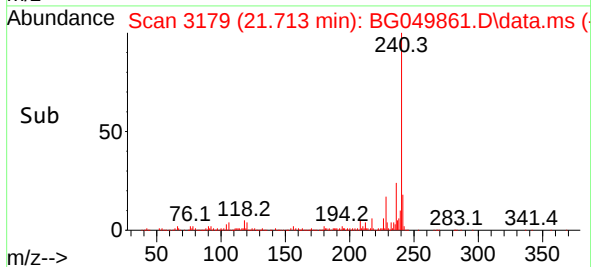
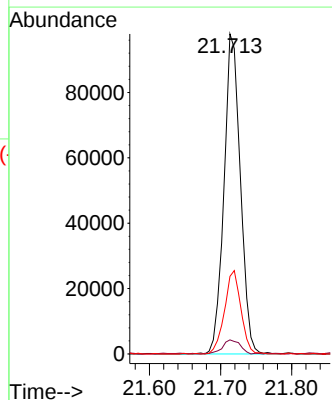
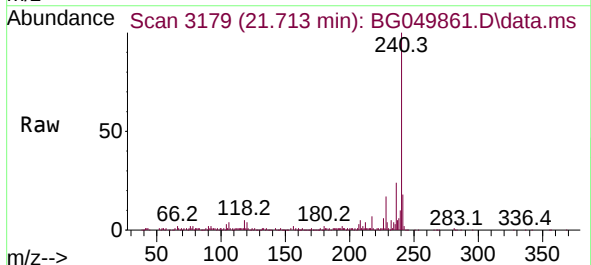
Instrument :
BNA_G
ClientSampleId :
TP1-1-6FT

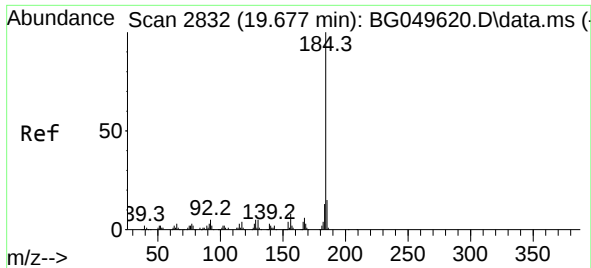
Tgt Ion:202 Resp: 176699
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 16.8 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.713 min Scan# 3179
Delta R.T. -0.008 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:240 Resp: 156158
Ion Ratio Lower Upper
240 100
120 4.4 4.2 6.2
236 24.3 21.8 32.6

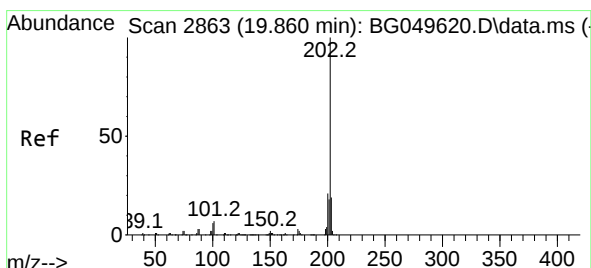
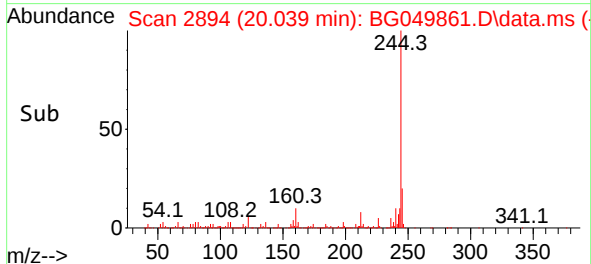
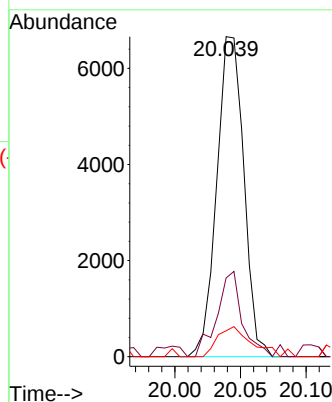
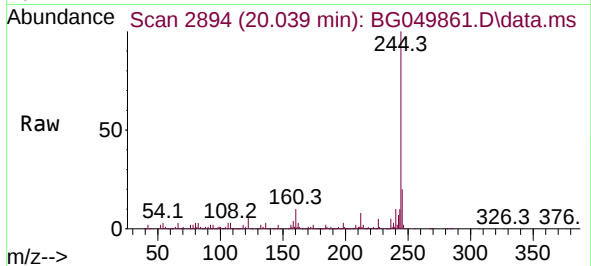




#77
Benzidine
Concen: 2.389 ng
RT: 20.039 min Scan# 2894
Delta R.T. 0.374 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

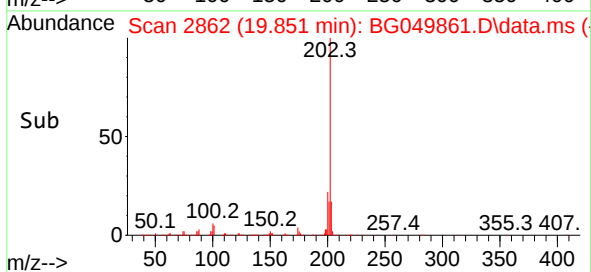
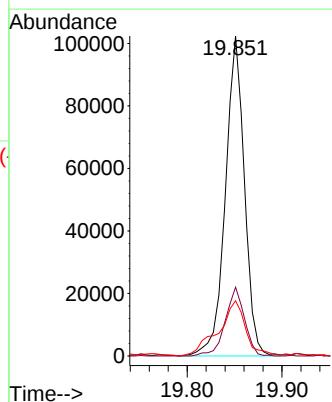
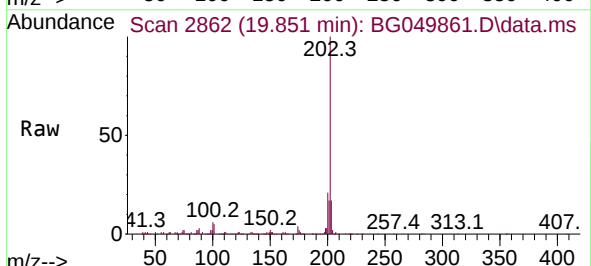
Instrument :
BNA_G
ClientSampleId :
TP1-1-6FT

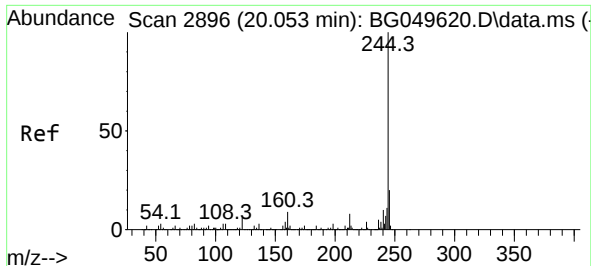
Tgt Ion:184 Resp: 9558
Ion Ratio Lower Upper
184 100
185 24.6 10.7 16.1#
183 8.1 9.4 14.0#



#78
Pyrene
Concen: 13.461 ng
RT: 19.851 min Scan# 2862
Delta R.T. -0.002 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:202 Resp: 143311
Ion Ratio Lower Upper
202 100
200 21.5 15.8 23.8
203 17.2 14.6 21.8

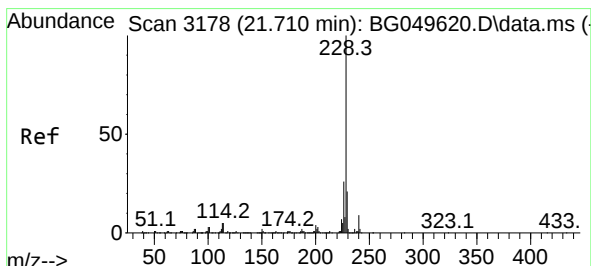
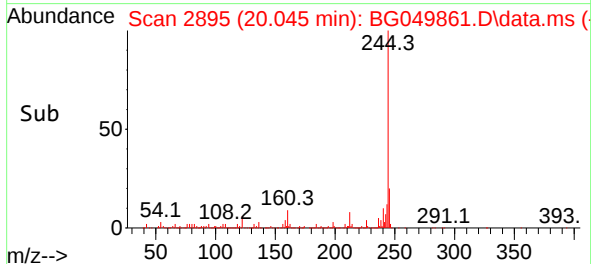
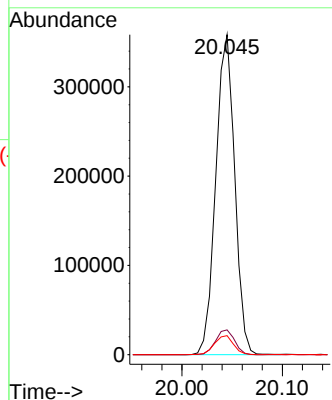
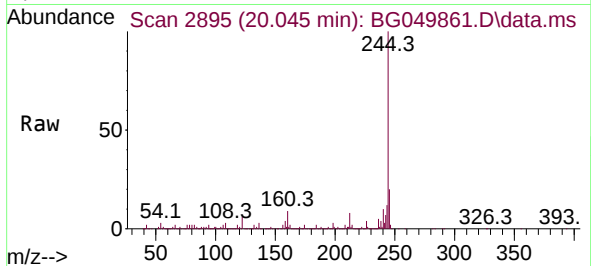




#79
 Terphenyl-d14
 Concen: 54.498 ng
 RT: 20.045 min Scan# 2895
 Delta R.T. -0.002 min
 Lab File: BG049861.D
 Acq: 16 Aug 2021 22:32

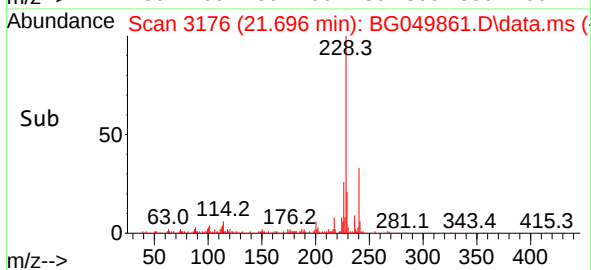
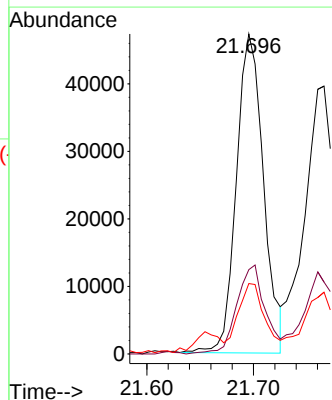
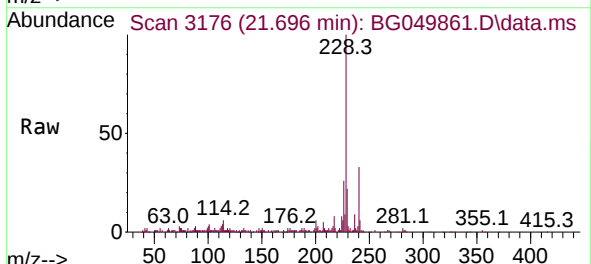
Instrument :
 BNA_G
 ClientSampleId :
 TP1-1-6FT

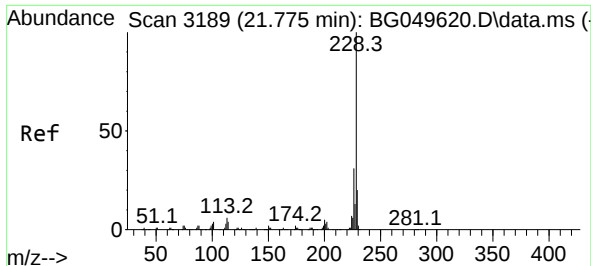
Tgt Ion:244 Resp: 468578
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.9 10.3
 122 6.0 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 8.233 ng
 RT: 21.696 min Scan# 3176
 Delta R.T. -0.002 min
 Lab File: BG049861.D
 Acq: 16 Aug 2021 22:32

Tgt Ion:228 Resp: 83727
 Ion Ratio Lower Upper
 228 100
 226 26.4 22.7 34.1
 229 22.0 16.0 24.0

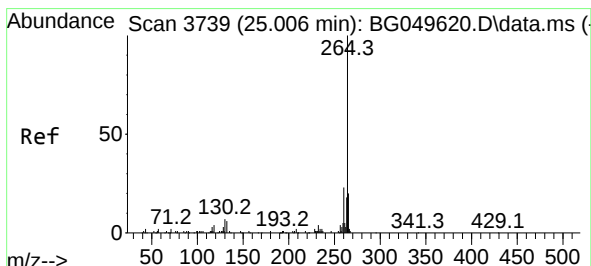
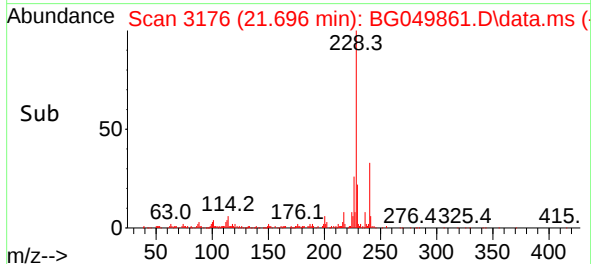
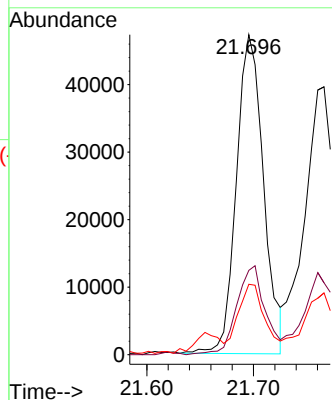
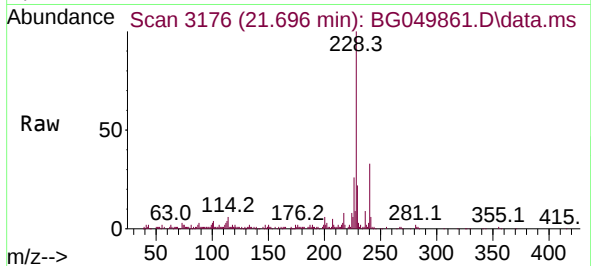




#83
Chrysene
Concen: 8.613 ng
RT: 21.696 min Scan# 3176
Delta R.T. -0.073 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

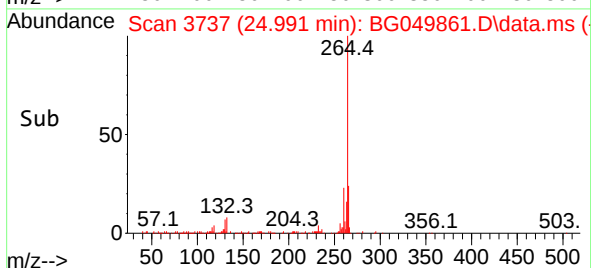
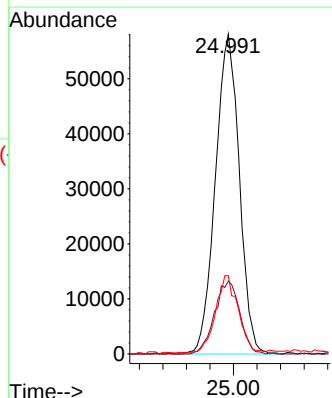
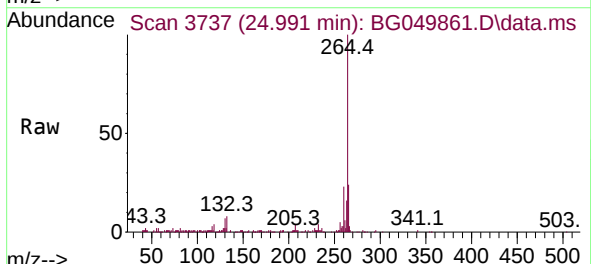
Instrument :
BNA_G
ClientSampled :
TP1-1-6FT

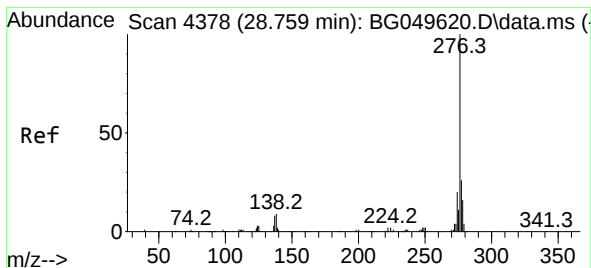
Tgt Ion:	228	Resp:	83727
Ion	Ratio	Lower	Upper
228	100		
226	26.4	23.1	34.7
229	22.0	15.3	22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.991 min Scan# 3737
Delta R.T. 0.004 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:	264	Resp:	163684
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	24.4	16.9	25.3

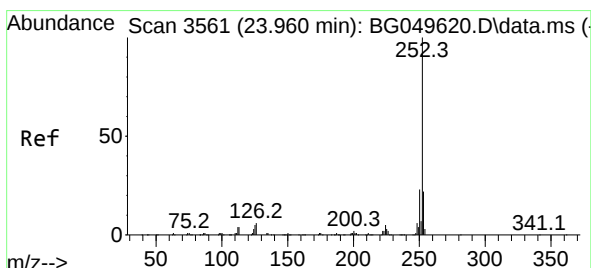
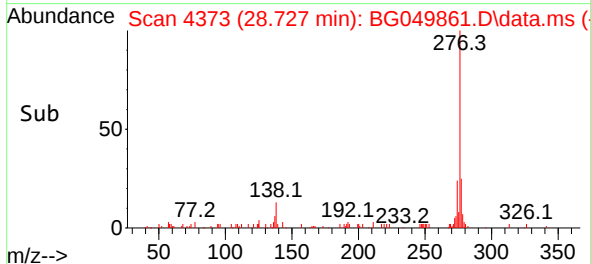
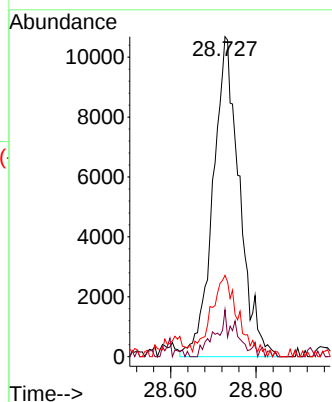
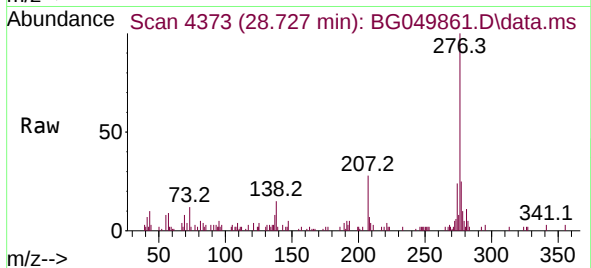




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.866 ng
 RT: 28.727 min Scan# 4373
 Delta R.T. -0.008 min
 Lab File: BG049861.D
 Acq: 16 Aug 2021 22:32

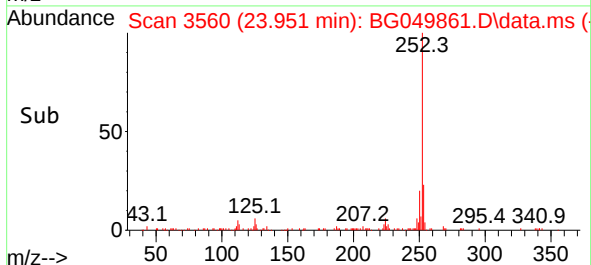
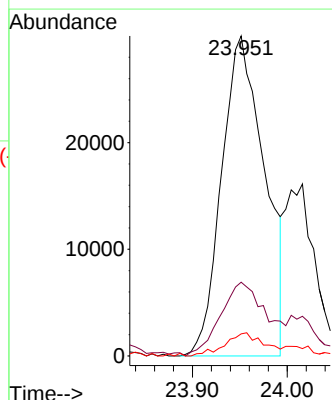
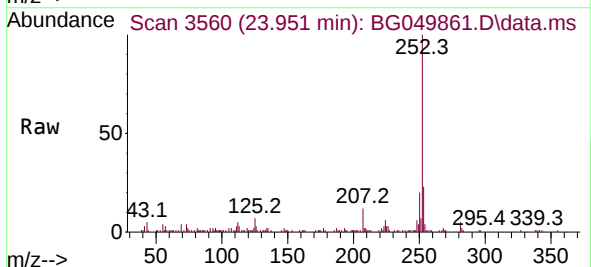
Instrument :
 BNA_G
 ClientSampleId :
 TP1-1-6FT

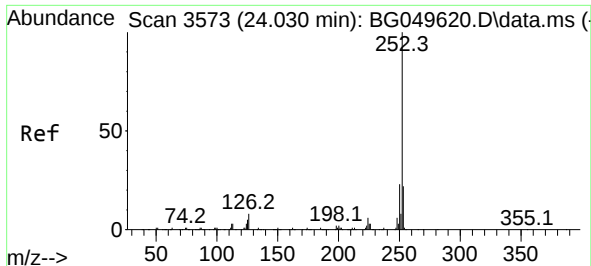
Tgt Ion:276 Resp: 45634
 Ion Ratio Lower Upper
 276 100
 138 1.1 5.1 7.7#
 277 22.8 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 8.802 ng
 RT: 23.951 min Scan# 3560
 Delta R.T. -0.002 min
 Lab File: BG049861.D
 Acq: 16 Aug 2021 22:32

Tgt Ion:252 Resp: 94489
 Ion Ratio Lower Upper
 252 100
 253 23.1 16.2 24.4
 125 6.9 3.0 4.4#

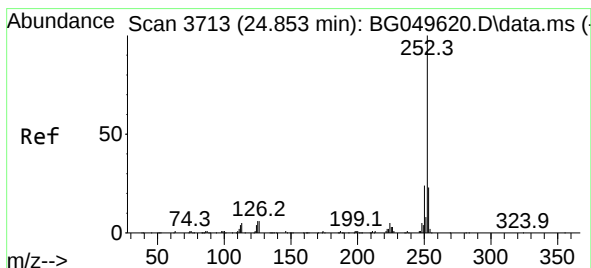
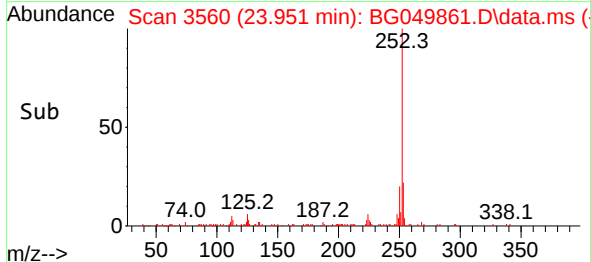
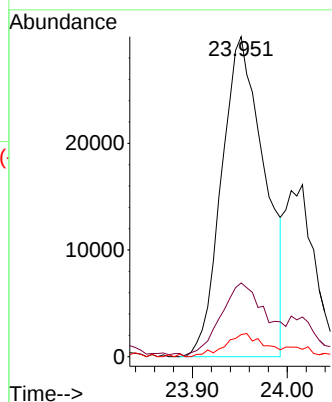
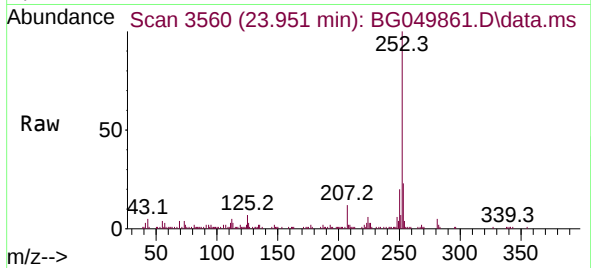




#89
Benzo(k)fluoranthene
Concen: 9.436 ng
RT: 23.951 min Scan# 3560
Delta R.T. -0.067 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

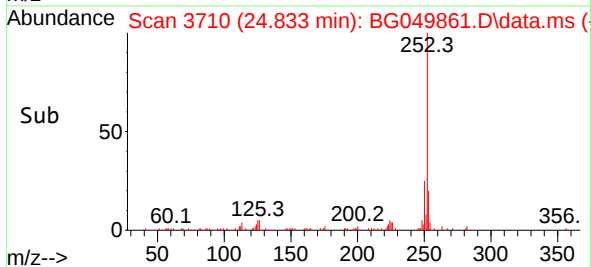
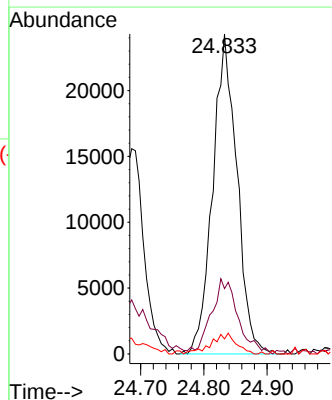
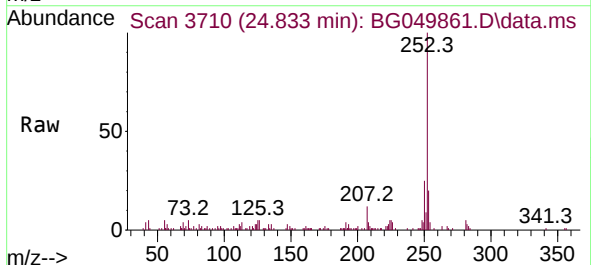
Instrument :
BNA_G
ClientSampleId :
TP1-1-6FT

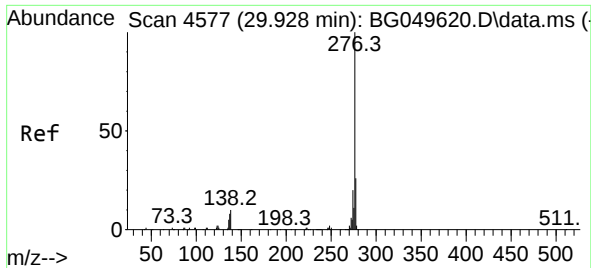
Tgt Ion:252 Resp: 94489
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 6.9 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 6.643 ng
RT: 24.833 min Scan# 3710
Delta R.T. -0.008 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Tgt Ion:252 Resp: 64539
Ion Ratio Lower Upper
252 100
253 20.4 16.6 25.0
125 4.7 3.5 5.3





#92
Benzo(g,h,i)perylene
Concen: 3.963 ng
RT: 29.902 min Scan# 4573
Delta R.T. -0.014 min
Lab File: BG049861.D
Acq: 16 Aug 2021 22:32

Instrument :
BNA_G
ClientSampleId :
TP1-1-6FT

Tgt Ion:	276	Resp:	38617
Ion Ratio	Lower	Upper	
276	100		
277	18.6	18.4	27.6
138	9.8	7.0	10.6

