

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031721\
 Data File : BG048408.D
 Acq On : 17 Mar 2021 21:50
 Operator : CG/JU
 Sample : M1693-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5A

Quant Time: Mar 18 00:20:17 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 16 16:05:10 2021
 Response via : Initial Calibration

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

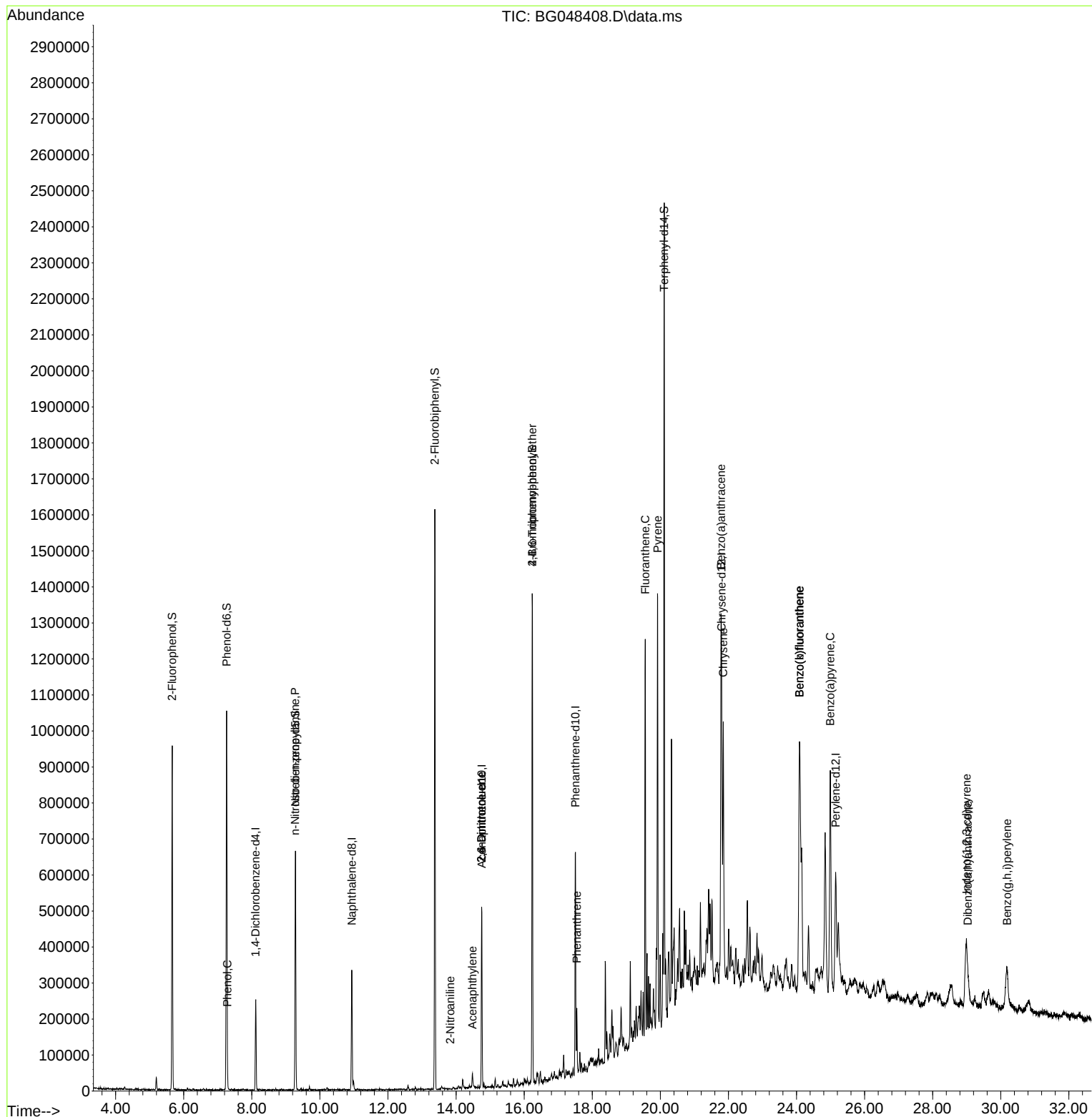
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.112	152	67999	20.00	ng	0.00
21) Naphthalene-d8	10.938	136	256439	20.00	ng	# 0.00
39) Acenaphthene-d10	14.757	164	185752	20.00	ng	0.00
64) Phenanthrene-d10	17.507	188	394013	20.00	ng	# 0.00
76) Chrysene-d12	21.802	240	375912	20.00	ng	# 0.00
86) Perylene-d12	25.151	264	391111	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.662	112	362431	91.55	ng	0.00
7) Phenol-d6	7.260	99	517968	88.81	ng	0.00
23) Nitrobenzene-d5	9.281	82	403865	69.98	ng	0.00
42) 2,4,6-Tribromophenol	16.244	330	253465	106.65	ng	0.00
45) 2-Fluorobiphenyl	13.377	172	791582	60.06	ng	0.00
79) Terphenyl-d14	20.116	244	1061340	54.57	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.254	77	2270	Below Cal	#	32
10) Phenol	7.284	94	13280	2.23	ng	82
19) n-Nitroso-di-n-propyla...	9.275	70	60232	13.40	ng	# 75
48) 2-Nitroaniline	13.829	65	96	3.49	ng	# 1
49) Acenaphthylene	14.481	152	38840	2.23	ng	93
51) 2,6-Dinitrotoluene	14.751	165	26537	9.77	ng	# 33
57) 2,4-Dinitrotoluene	14.751	165	26537	8.21	ng	# 31
67) 4-Bromophenyl-phenylether	16.244	248	18130	3.83	ng	# 1
71) Phenanthrene	17.548	178	112558	5.42	ng	97
75) Fluoranthene	19.558	202	695705	25.26	ng	94
78) Pyrene	19.922	202	814014	32.52	ng	97
81) Benzo(a)anthracene	21.784	228	609630	23.40	ng	98
83) Chrysene	21.849	228	600917	24.18	ng	97
87) Indeno(1,2,3-cd)pyrene	28.994	276	404475	13.46	ng	# 84
88) Benzo(b)fluoranthene	24.088	252	1002218	36.76	ng	# 95
89) Benzo(k)fluoranthene	24.088	252	1002218	38.31	ng	# 95
90) Benzo(a)pyrene	24.992	252	745484	29.66	ng	# 94
91) Dibenzo(a,h)anthracene	29.035	278	65178	2.54	ng	# 80
92) Benzo(g,h,i)perylene	30.186	276	304290	12.25	ng	# 92

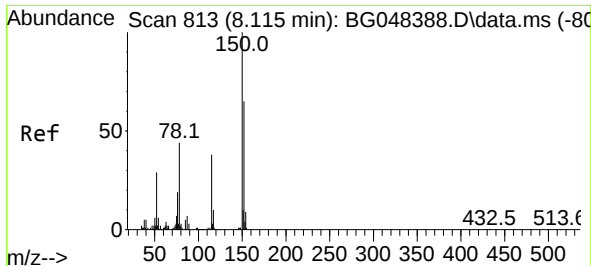
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 16 16:05:10 2021
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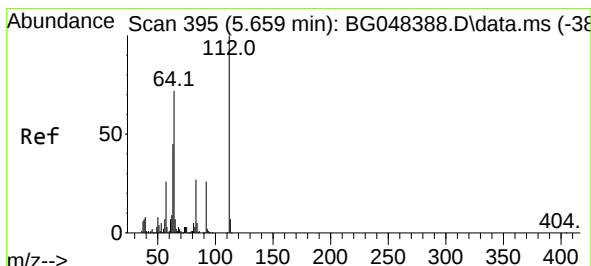
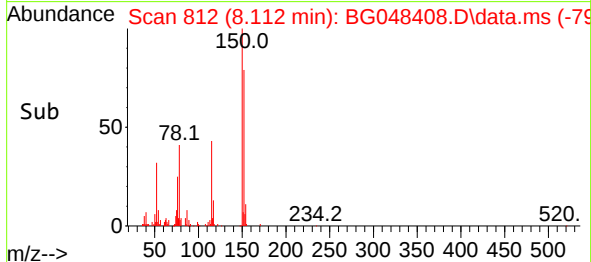
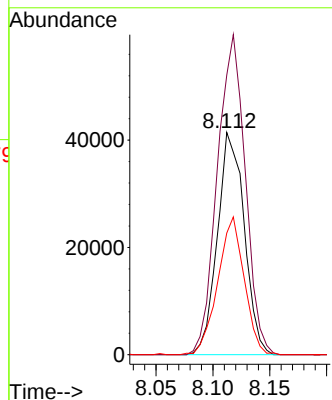
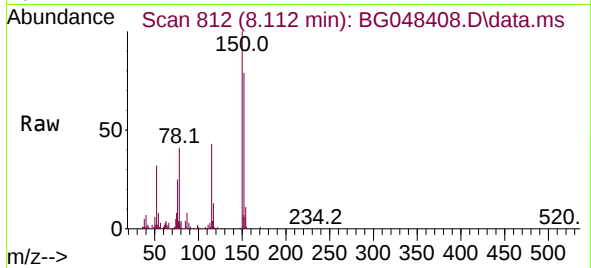




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.112 min Scan# 812
Delta R.T. -0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

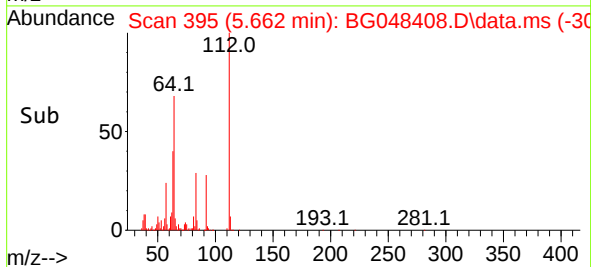
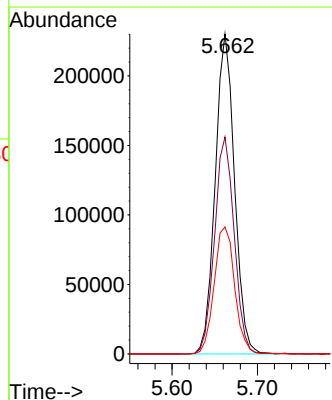
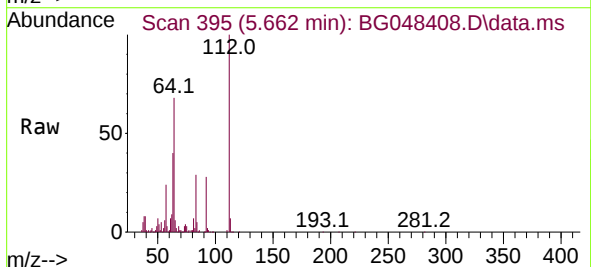
Instrument :
BNA_G
ClientSampled :
TP-5A

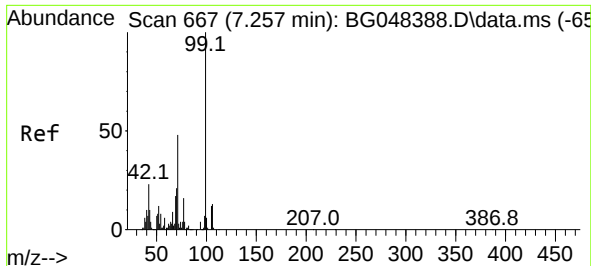
Tgt Ion:152 Resp: 67999
Ion Ratio Lower Upper
152 100
150 125.8 125.0 187.6
115 54.7 41.8 62.6



#5
2-Fluorophenol
Concen: 91.55 ng
RT: 5.662 min Scan# 395
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:112 Resp: 362431
Ion Ratio Lower Upper
112 100
64 67.8 46.7 70.1
63 39.7 22.8 34.2#

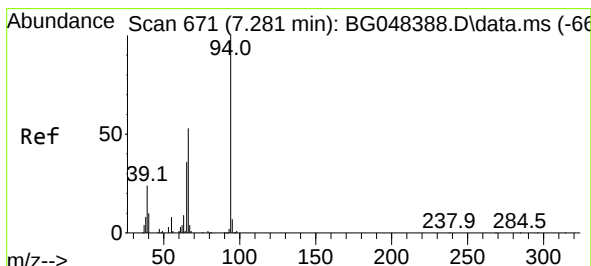
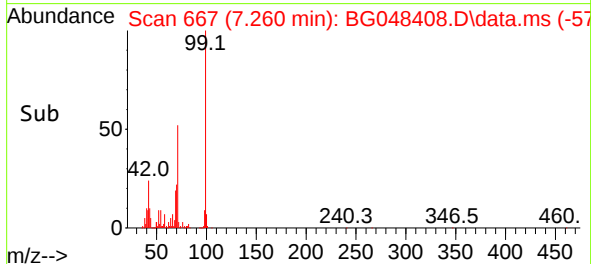
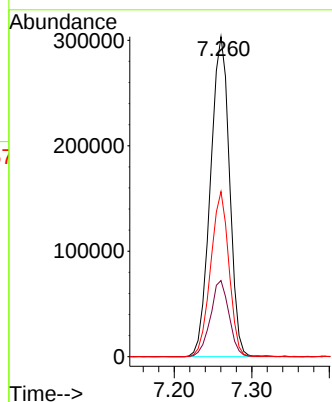
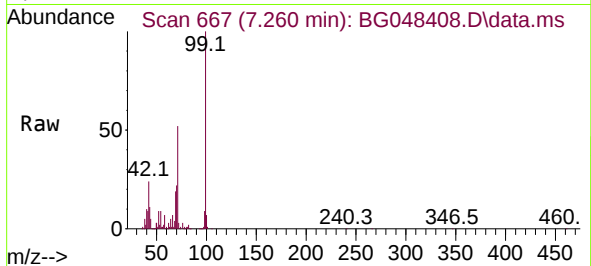




#7
Phenol-d6
Concen: 88.81 ng
RT: 7.260 min Scan# 667
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

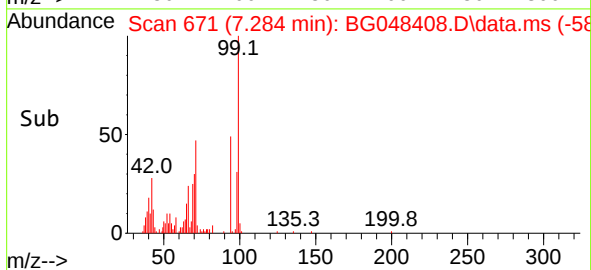
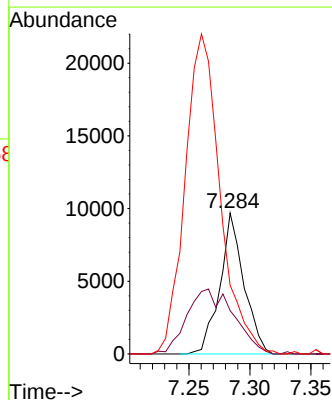
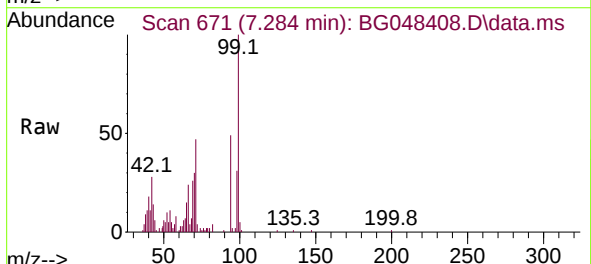
Instrument :
BNA_G
ClientSampled :
TP-5A

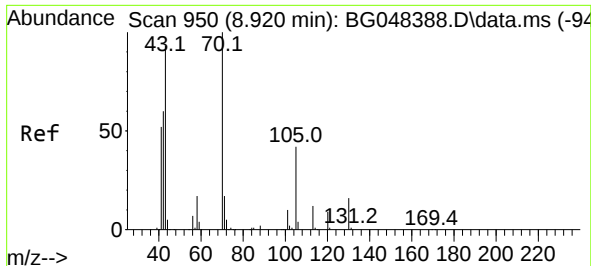
Tgt Ion: 99 Resp: 517968
Ion Ratio Lower Upper
99 100
42 23.8 12.8 19.2#
71 51.6 24.6 36.8#



#10
Phenol
Concen: 2.23 ng
RT: 7.284 min Scan# 671
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion: 94 Resp: 13280
Ion Ratio Lower Upper
94 100
65 30.8 6.6 46.6
66 48.7 13.9 53.9

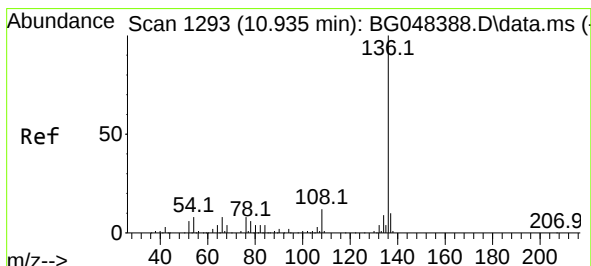
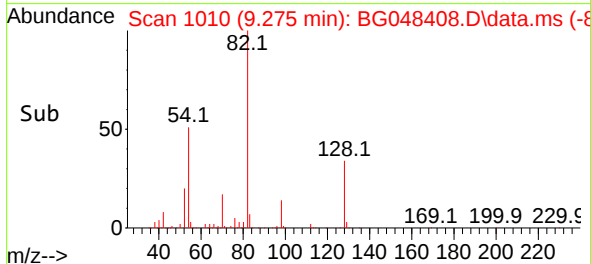
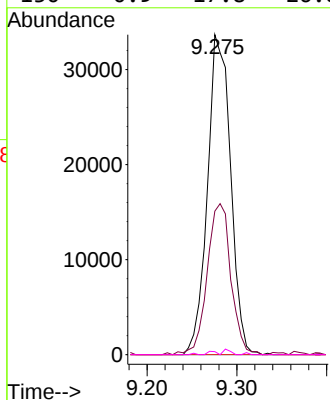
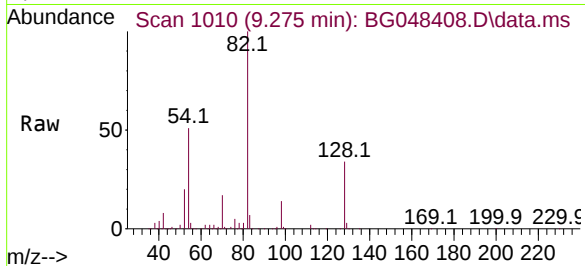




#19
n-Nitroso-di-n-propylamine
Concen: 13.40 ng
RT: 9.275 min Scan# 1010
Delta R.T. 0.355 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

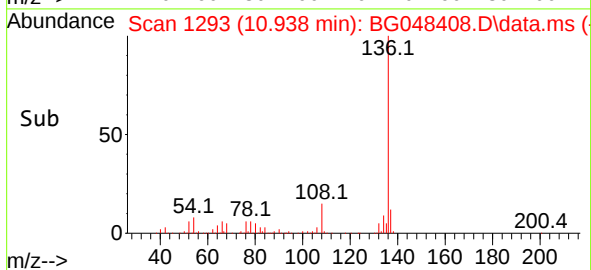
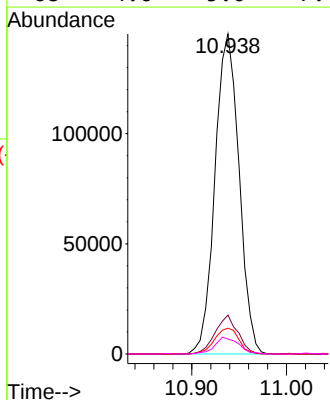
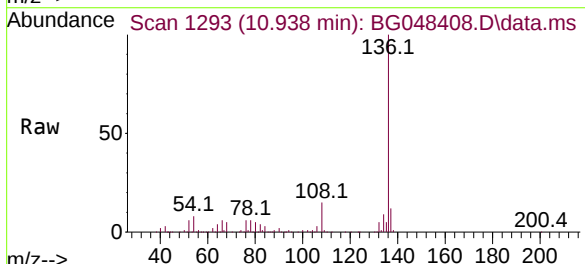
Instrument :
BNA_G
ClientSampled :
TP-5A

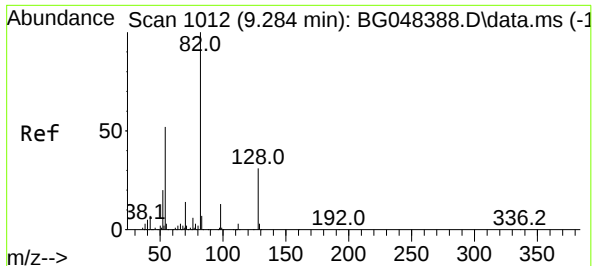
Tgt Ion:	70	Resp:	60232
Ion Ratio	Lower	Upper	
70	100		
42	44.8	45.6	68.4#
101	0.0	8.4	12.6#
130	0.9	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.938 min Scan# 1293
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:	136	Resp:	256439
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.1	13.7
54	8.0	6.2	9.4
68	4.6	5.0	7.4#

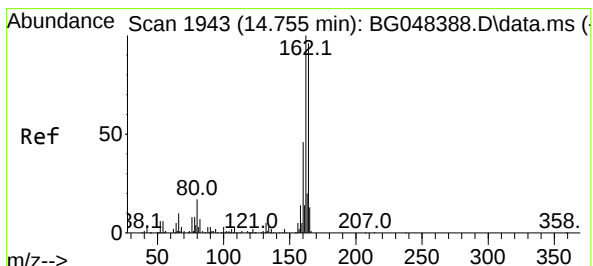
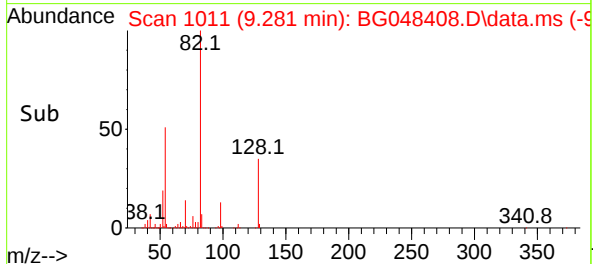
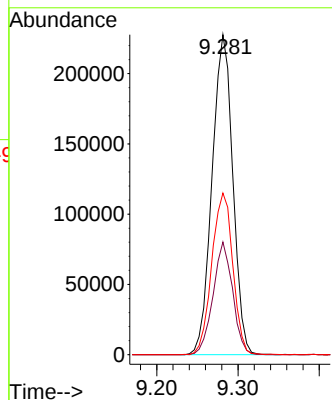
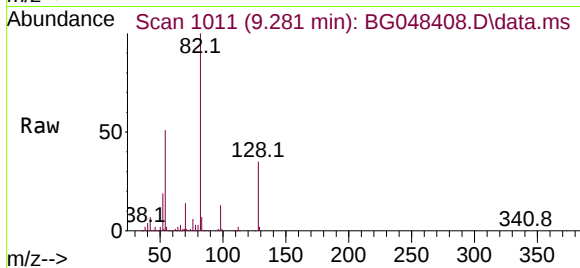




#23
Nitrobenzene-d5
Concen: 69.98 ng
RT: 9.281 min Scan# 1011
Delta R.T. -0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

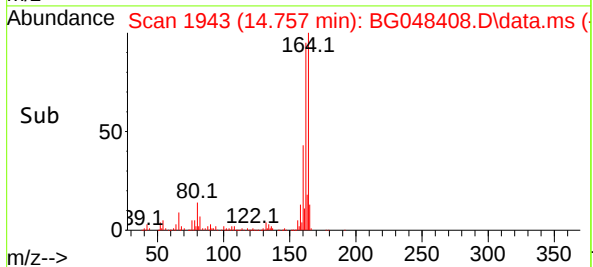
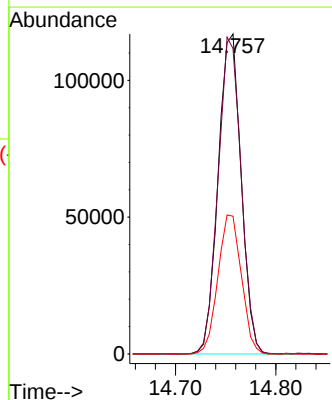
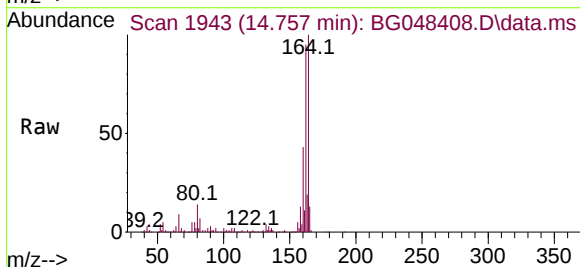
Instrument :
BNA_G
ClientSampled :
TP-5A

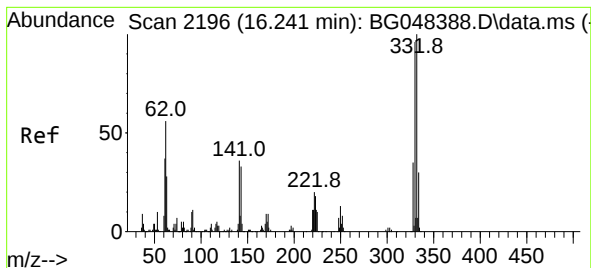
Tgt Ion: 82 Resp: 403865
Ion Ratio Lower Upper
82 100
128 35.2 37.0 55.6#
54 50.5 39.0 58.4



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.757 min Scan# 1943
Delta R.T. 0.002 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion: 164 Resp: 185752
Ion Ratio Lower Upper
164 100
162 95.5 82.3 123.5
160 43.1 35.3 52.9

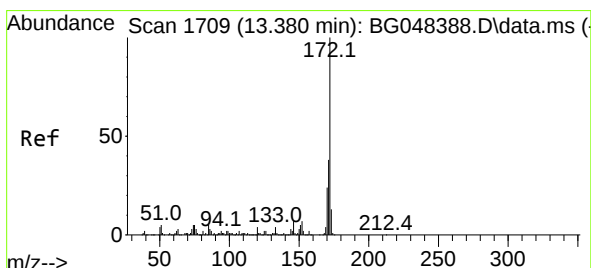
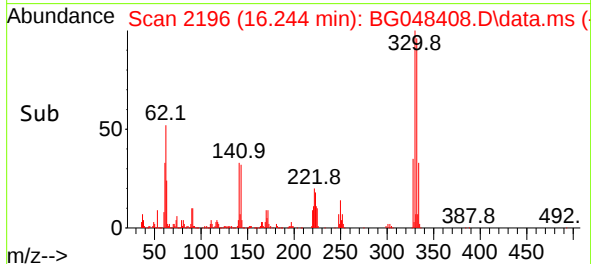
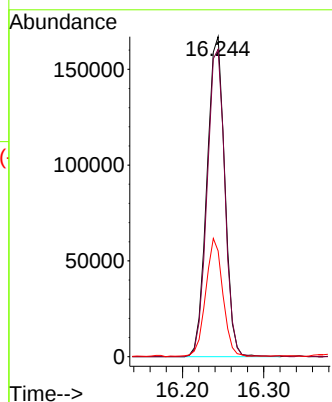
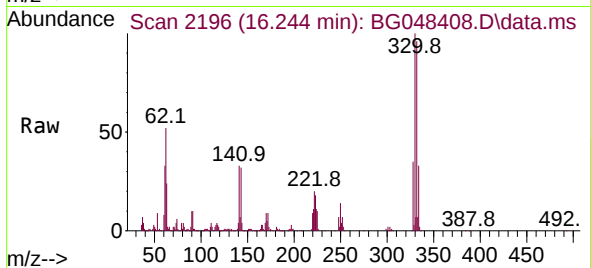




#42
2,4,6-Tribromophenol
Concen: 106.65 ng
RT: 16.244 min Scan# 2196
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

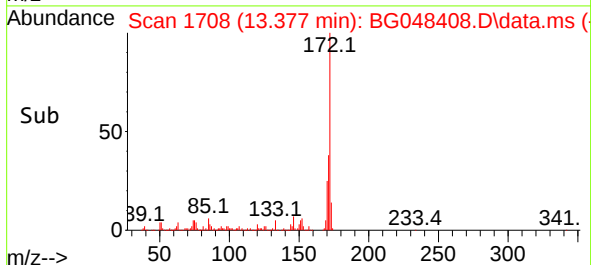
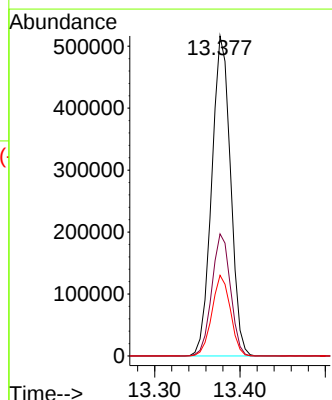
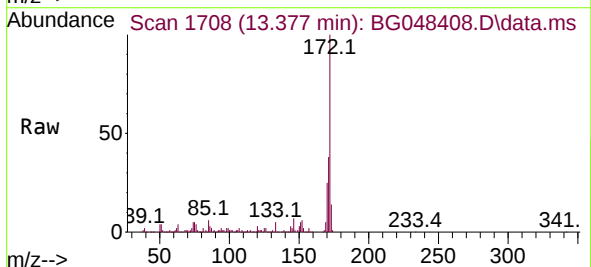
Instrument :
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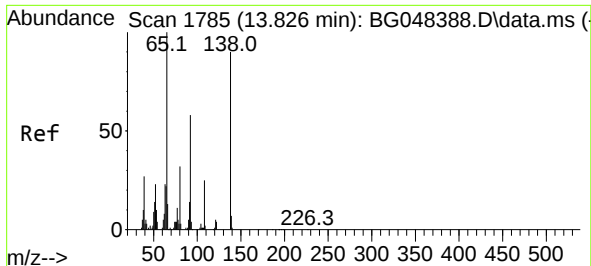
Tgt Ion:330 Resp: 253465
Ion Ratio Lower Upper
330 100
332 95.8 76.5 114.7
141 35.1 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 60.06 ng
RT: 13.377 min Scan# 1708
Delta R.T. -0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:172 Resp: 791582
Ion Ratio Lower Upper
172 100
171 38.1 31.3 46.9
170 25.2 20.8 31.2

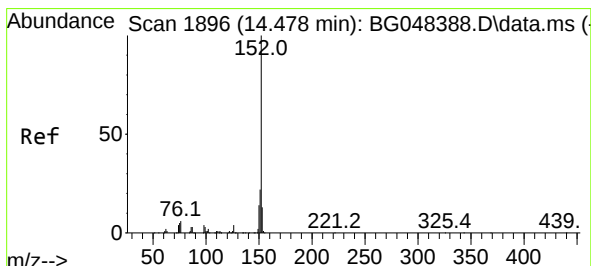
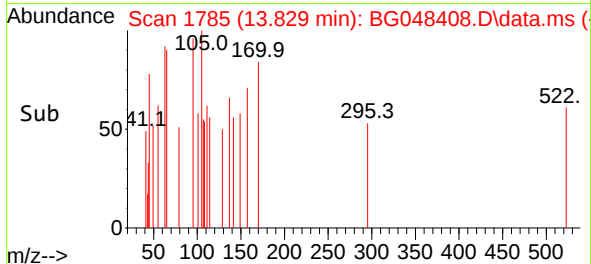
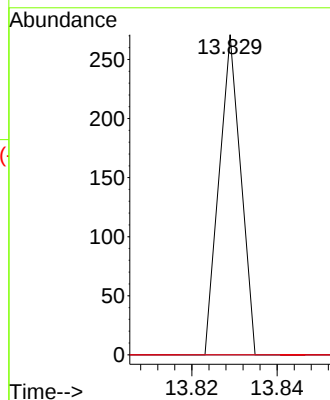
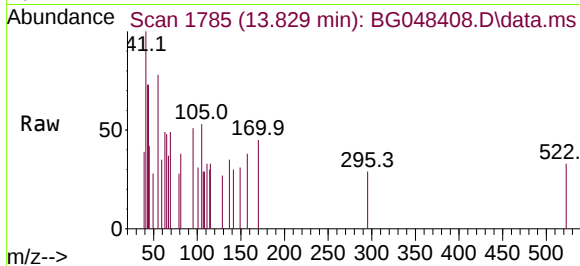




#48
2-Nitroaniline
Concen: 3.49 ng
RT: 13.829 min Scan# 1785
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

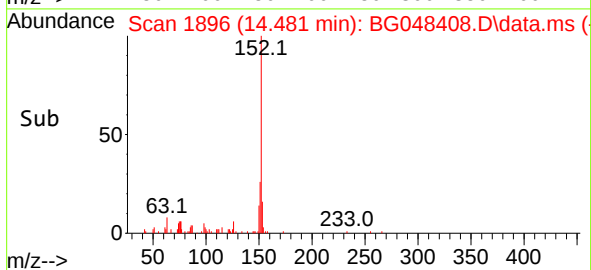
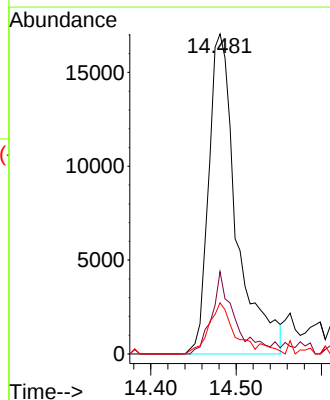
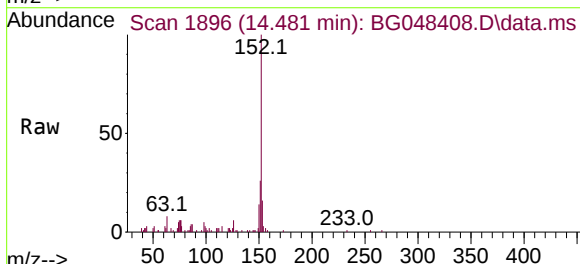
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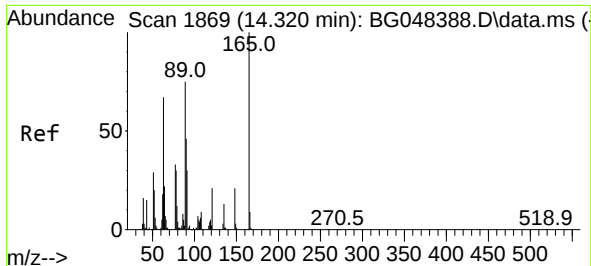
Tgt Ion: 65 Resp: 96
Ion Ratio Lower Upper
65 100
92 0.0 58.6 88.0#
138 0.0 98.2 147.4#



#49
Acenaphthylene
Concen: 2.23 ng
RT: 14.481 min Scan# 1896
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:152 Resp: 38840
Ion Ratio Lower Upper
152 100
151 25.8 17.4 26.0
153 16.0 11.5 17.3

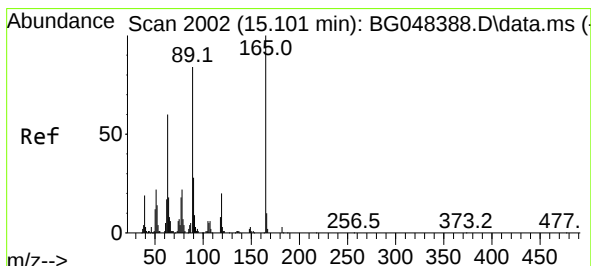
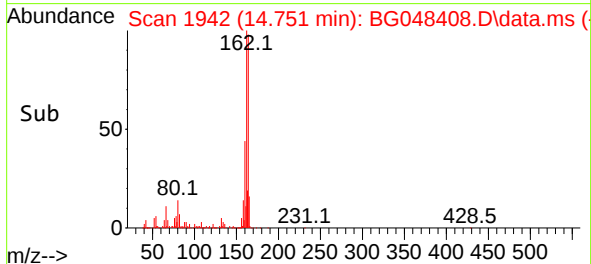
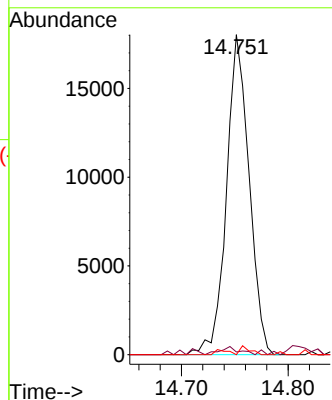
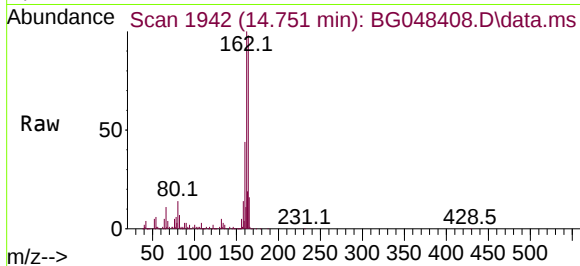




#51
2,6-Dinitrotoluene
Concen: 9.77 ng
RT: 14.751 min Scan# 1942
Delta R.T. 0.432 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

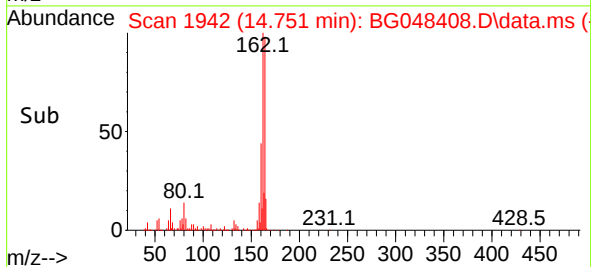
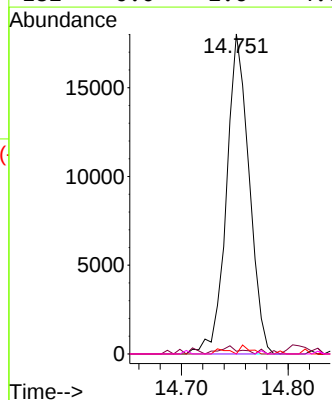
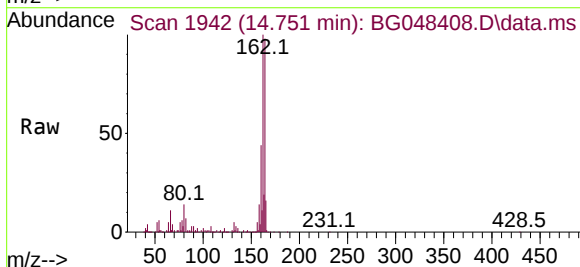
Instrument :
BNA_G
ClientSampled :
TP-5A

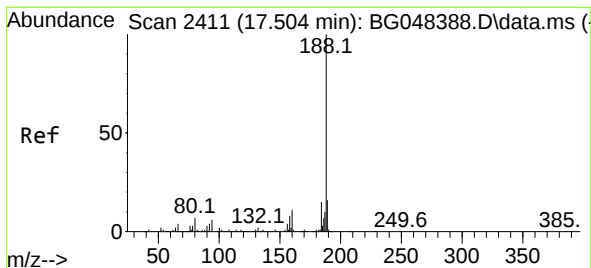
Tgt Ion:165 Resp: 26537
Ion Ratio Lower Upper
165 100
63 0.9 33.7 50.5#
89 0.0 36.6 54.8#



#57
2,4-Dinitrotoluene
Concen: 8.21 ng
RT: 14.751 min Scan# 1942
Delta R.T. -0.350 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:165 Resp: 26537
Ion Ratio Lower Upper
165 100
63 0.9 26.4 39.6#
89 0.0 47.8 71.8#
182 0.0 2.6 4.0#

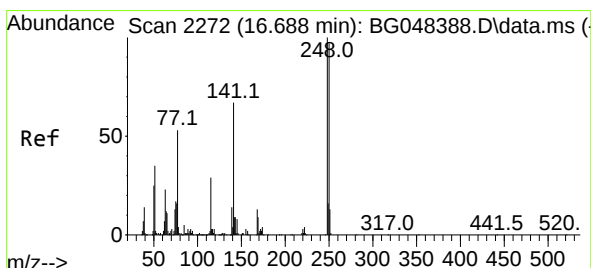
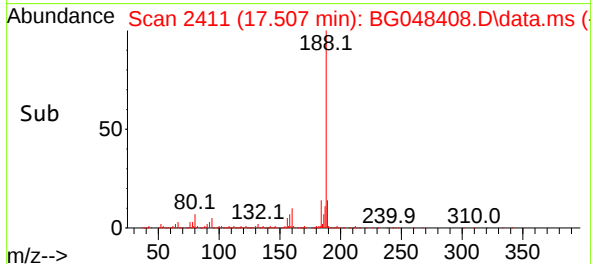
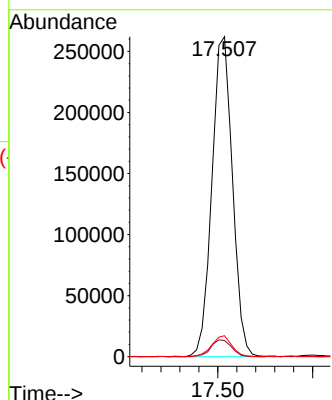
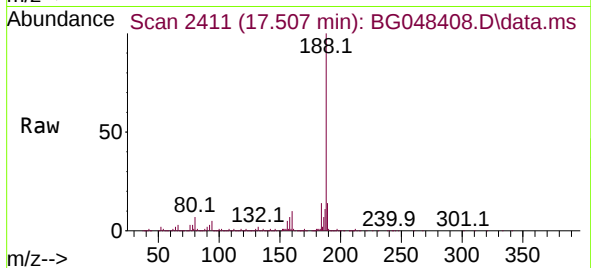




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.507 min Scan# 2411
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

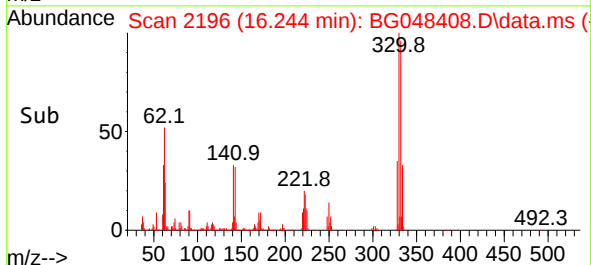
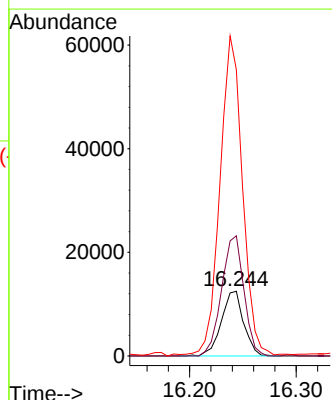
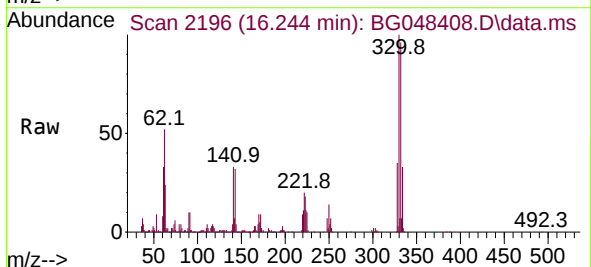
Instrument :
BNA_G
ClientSampled :
TP-5A

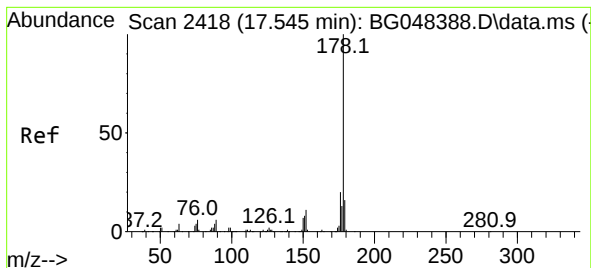
Tgt Ion:188 Resp: 394013
Ion Ratio Lower Upper
188 100
94 5.0 6.3 9.5#
80 6.5 7.0 10.6#



#67
4-Bromophenyl-phenylether
Concen: 3.83 ng
RT: 16.244 min Scan# 2196
Delta R.T. -0.444 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:248 Resp: 18130
Ion Ratio Lower Upper
248 100
250 185.7 78.9 118.3#
141 442.1 46.2 69.4#

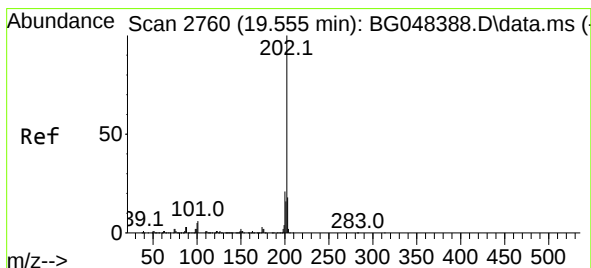
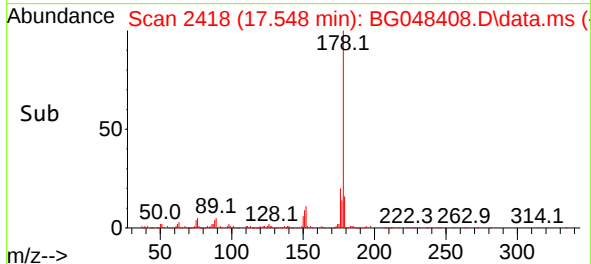
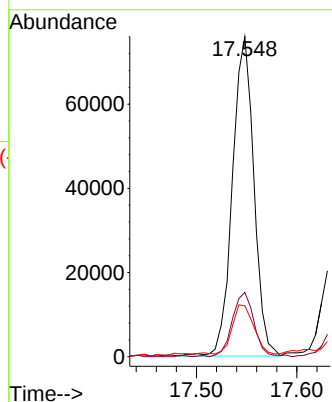
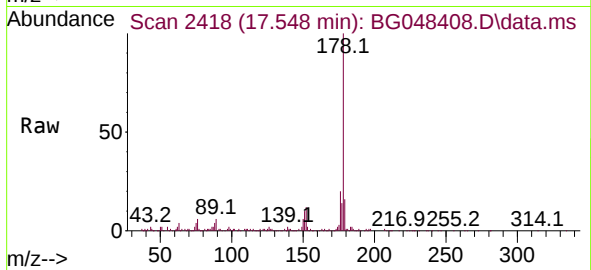




#71
Phenanthrene
Concen: 5.42 ng
RT: 17.548 min Scan# 2418
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

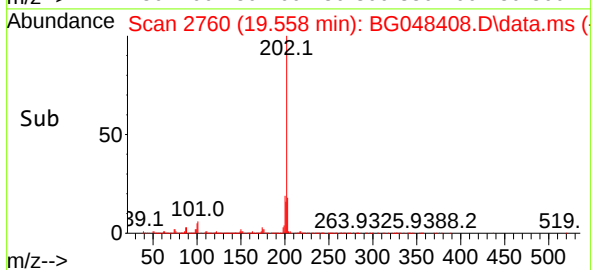
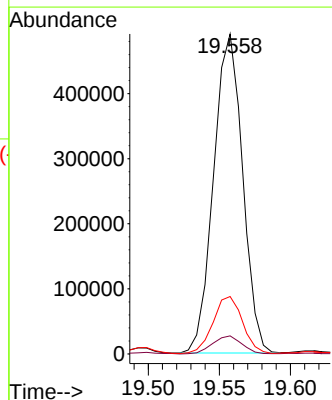
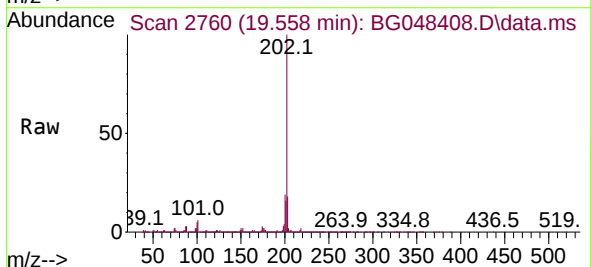
Instrument :
BNA_G
ClientSampled :
TP-5A

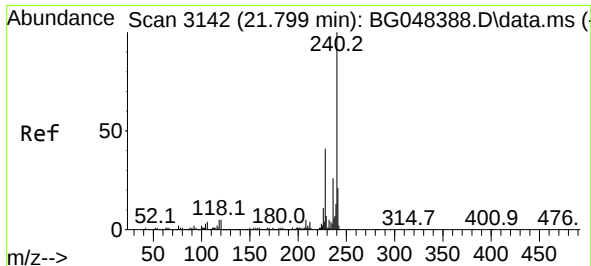
Tgt Ion:178 Resp: 112558
Ion Ratio Lower Upper
178 100
176 20.1 16.7 25.1
179 15.9 14.0 21.0



#75
Fluoranthene
Concen: 25.26 ng
RT: 19.558 min Scan# 2760
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:202 Resp: 695705
Ion Ratio Lower Upper
202 100
101 5.7 0.0 29.7
203 18.0 0.0 39.2

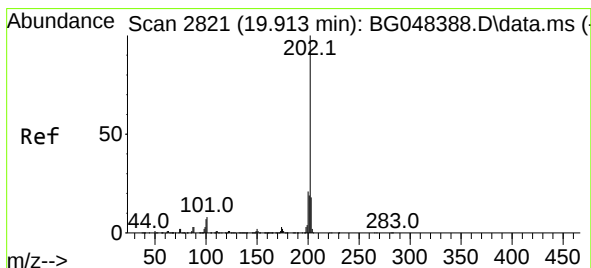
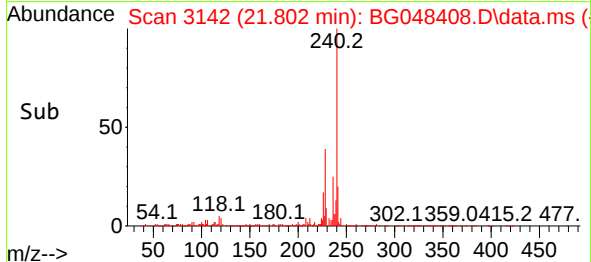
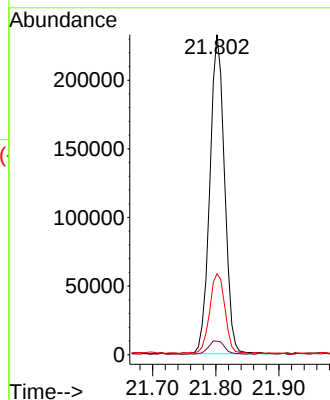
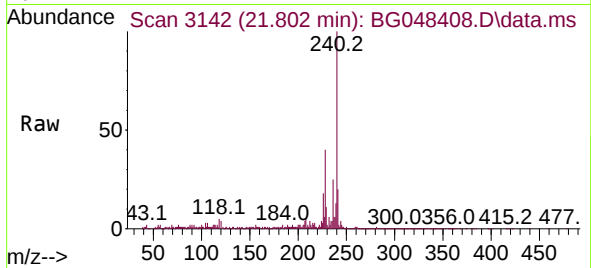




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.802 min Scan# 3142
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

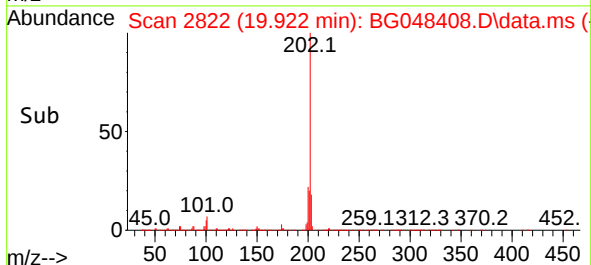
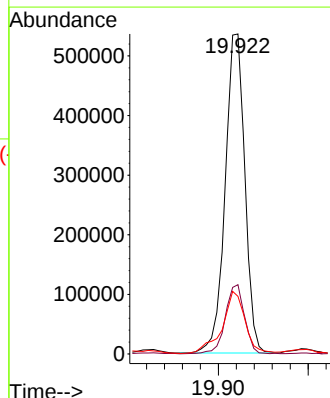
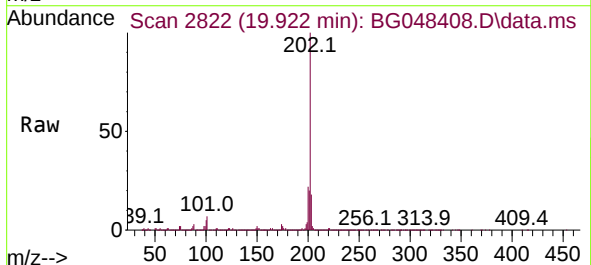
Instrument :
BNA_G
ClientSampled :
TP-5A

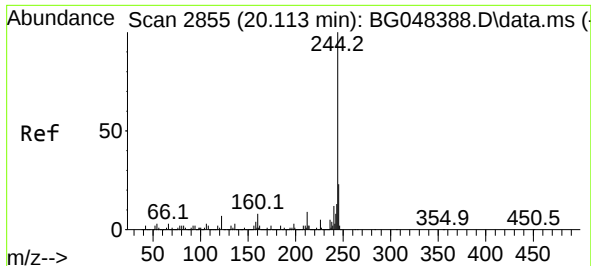
Tgt Ion:240 Resp: 375912
Ion Ratio Lower Upper
240 100
120 4.2 6.2 9.4#
236 25.3 20.5 30.7



#78
Pyrene
Concen: 32.52 ng
RT: 19.922 min Scan# 2822
Delta R.T. 0.009 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:202 Resp: 814014
Ion Ratio Lower Upper
202 100
200 21.7 18.6 27.8
203 18.0 15.3 22.9

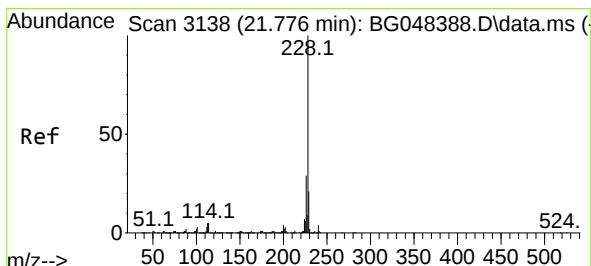
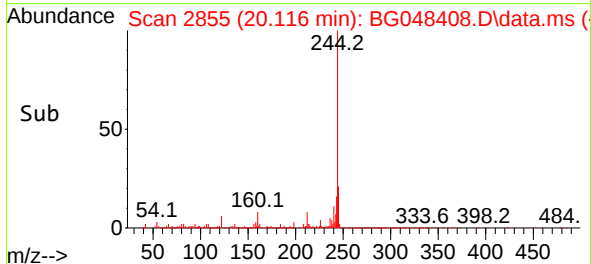
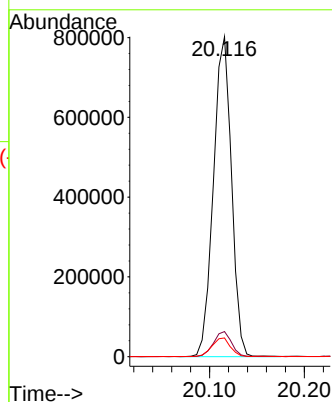
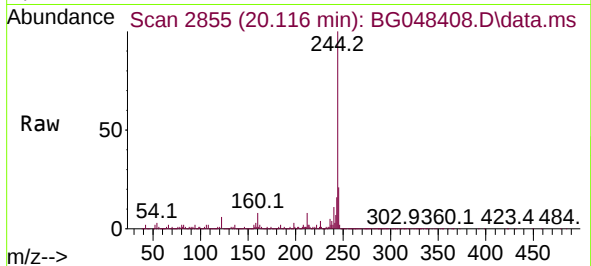




#79
 Terphenyl-d14
 Concen: 54.57 ng
 RT: 20.116 min Scan# 2855
 Delta R.T. 0.003 min
 Lab File: BG048408.D
 Acq: 17 Mar 2021 21:50

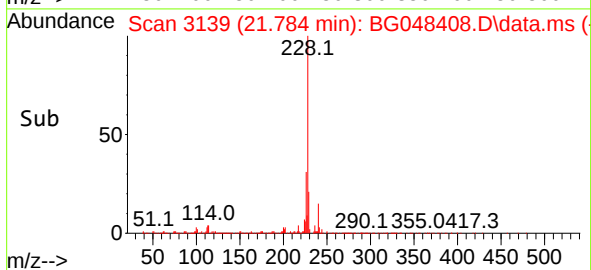
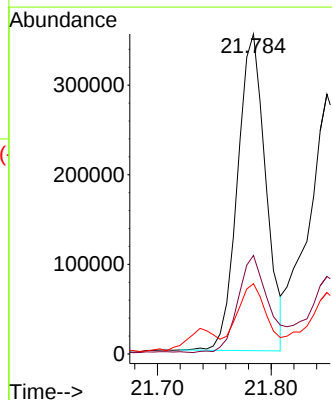
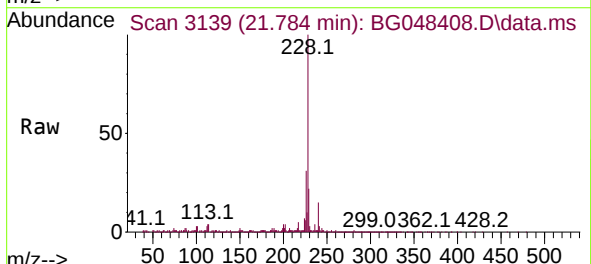
Instrument :
 BNA_G
 ClientSampled :
 TP-5A

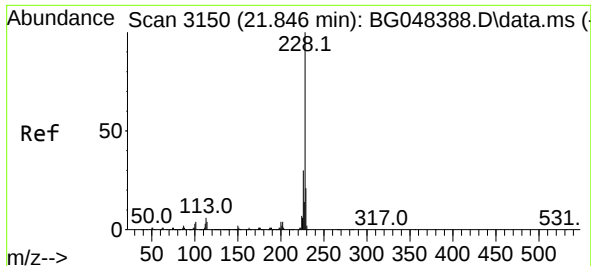
Tgt Ion:244 Resp: 1061340
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.7 10.1
 122 5.8 7.8 11.6#



#81
 Benzo(a)anthracene
 Concen: 23.40 ng
 RT: 21.784 min Scan# 3139
 Delta R.T. 0.008 min
 Lab File: BG048408.D
 Acq: 17 Mar 2021 21:50

Tgt Ion:228 Resp: 609630
 Ion Ratio Lower Upper
 228 100
 226 30.8 23.3 34.9
 229 22.0 17.4 26.0

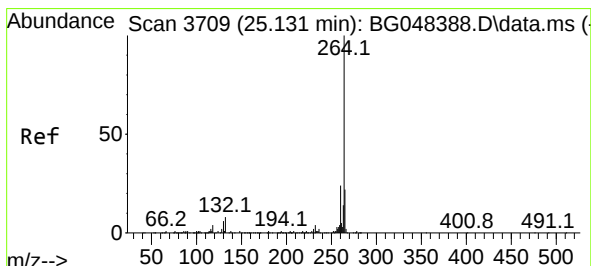
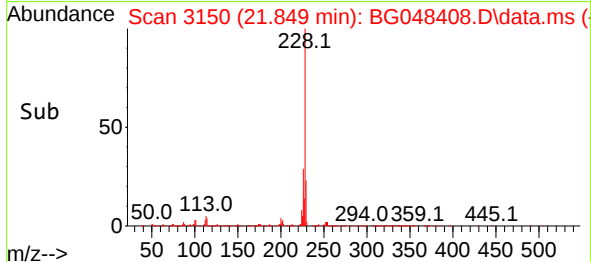
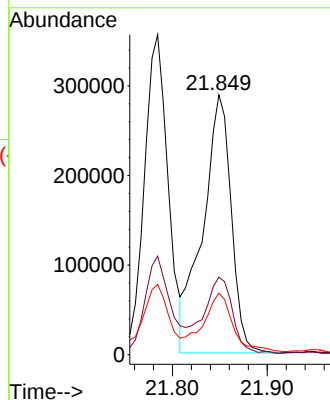
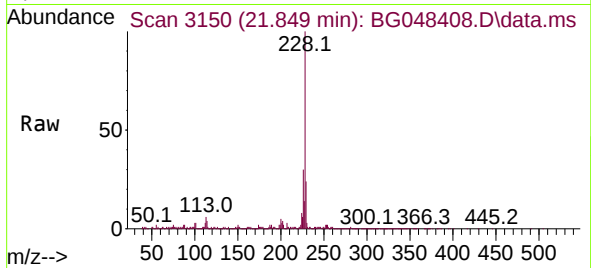




#83
Chrysene
Concen: 24.18 ng
RT: 21.849 min Scan# 3150
Delta R.T. 0.003 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

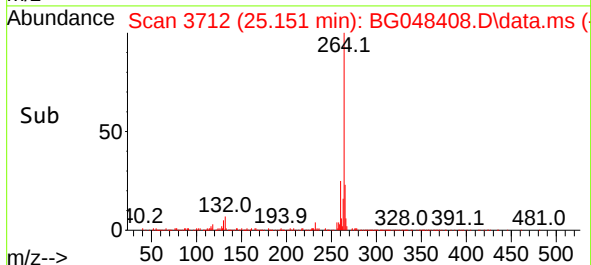
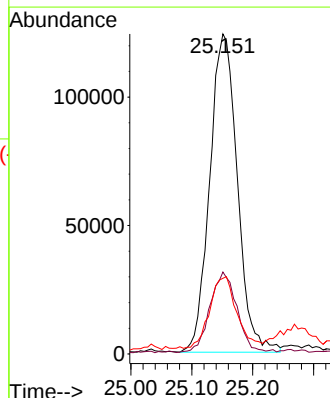
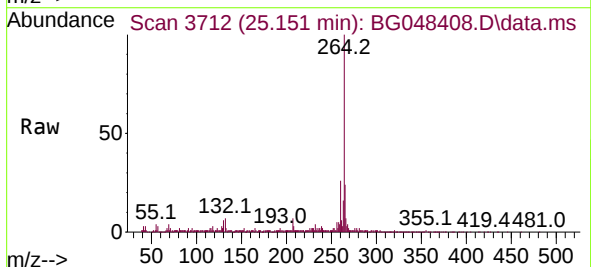
Instrument :
BNA_G
ClientSampled :
TP-5A

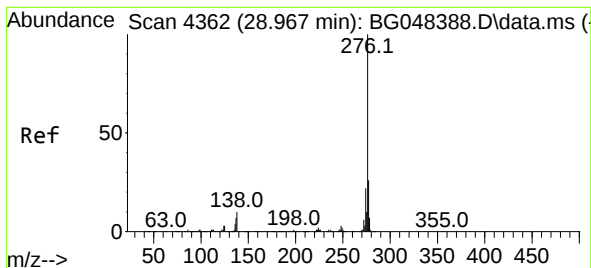
Tgt Ion:228	Resp: 600917
Ion Ratio	Lower Upper
228 100	
226 29.8	25.0 37.4
229 23.7	17.3 25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.151 min Scan# 3712
Delta R.T. 0.020 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:264	Resp: 391111
Ion Ratio	Lower Upper
264 100	
260 25.6	18.8 28.2
265 23.6	17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.46 ng

RT: 28.994 min Scan# 4366

Delta R.T. 0.026 min

Lab File: BG048408.D

Acq: 17 Mar 2021 21:50

Tgt Ion:276 Resp: 404475

Ion Ratio Lower Upper

276 100

138 7.5 16.2 24.2#

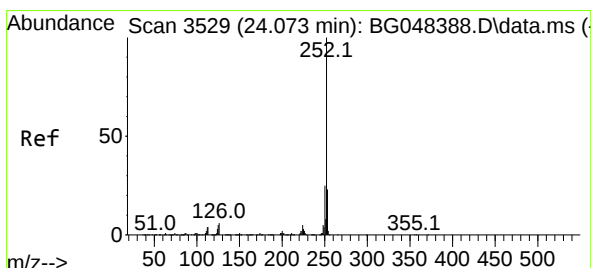
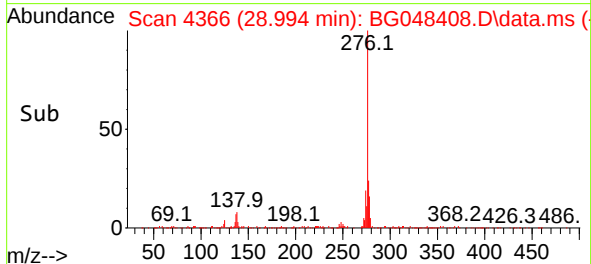
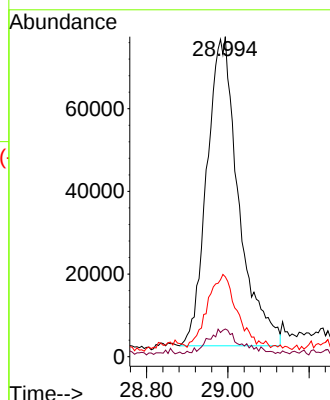
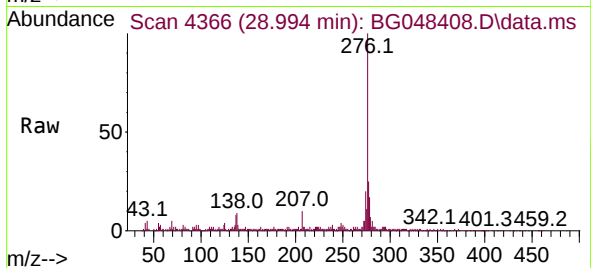
277 22.1 20.3 30.5

Instrument :

BNA_G

ClientSampled :

TP-5A



#88

Benzo(b)fluoranthene

Concen: 36.76 ng

RT: 24.088 min Scan# 3531

Delta R.T. 0.015 min

Lab File: BG048408.D

Acq: 17 Mar 2021 21:50

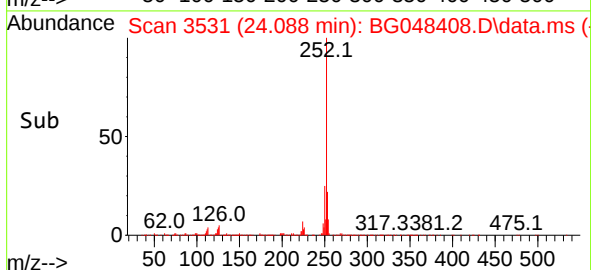
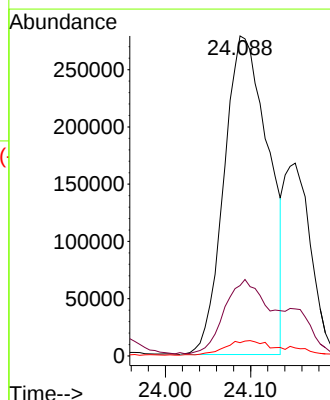
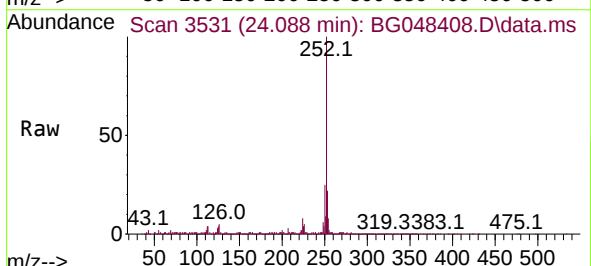
Tgt Ion:252 Resp: 1002218

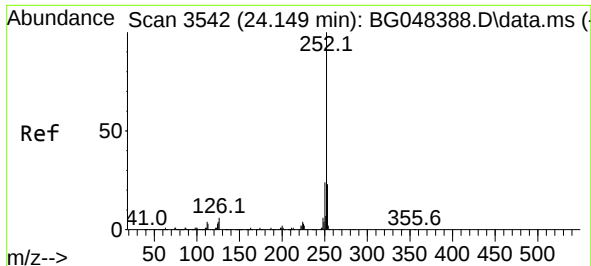
Ion Ratio Lower Upper

252 100

253 22.0 18.7 28.1

125 4.2 6.5 9.7#

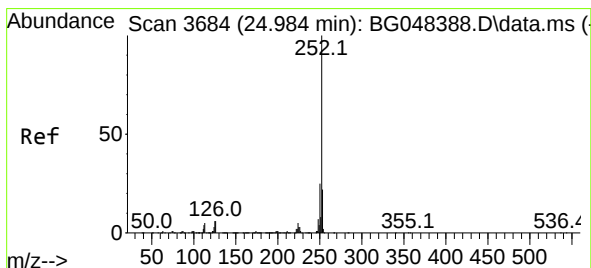
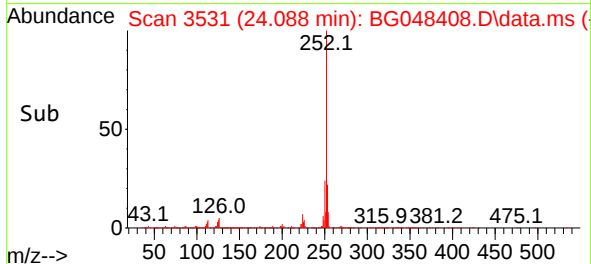
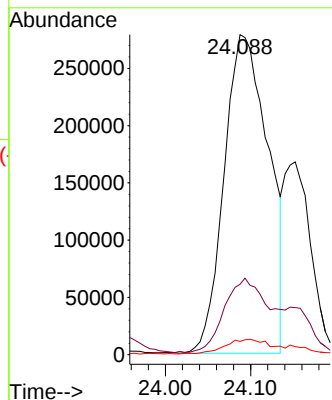
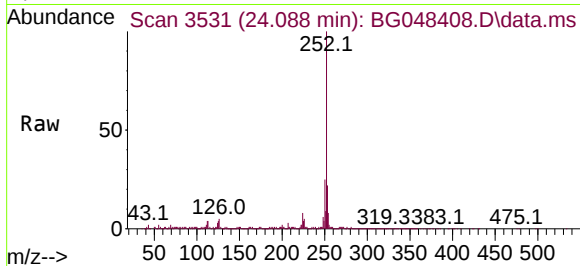




#89
Benzo(k)fluoranthene
Concen: 38.31 ng
RT: 24.088 min Scan# 3531
Delta R.T. -0.062 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

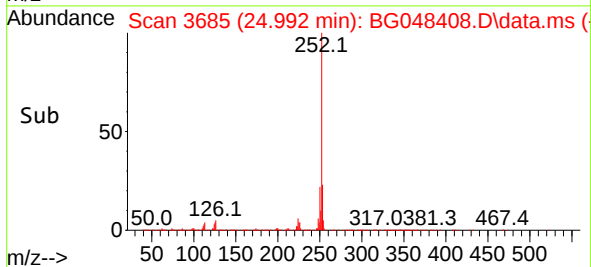
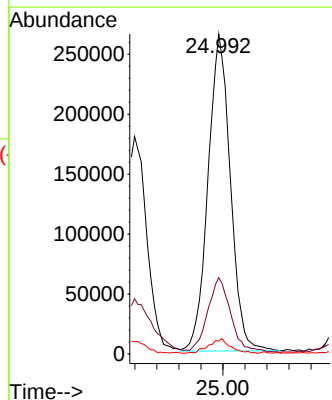
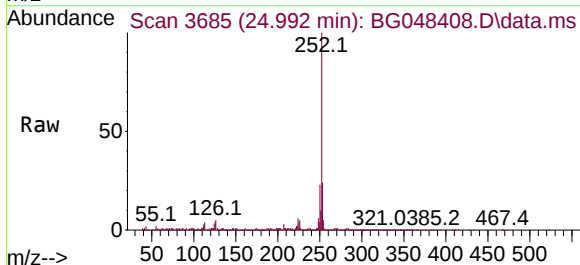
Instrument :
BNA_G
ClientSampled :
TP-5A

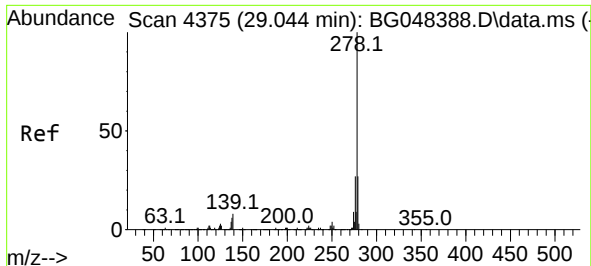
Tgt Ion:252 Resp: 1002218
Ion Ratio Lower Upper
252 100
253 22.0 18.6 27.8
125 4.2 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 29.66 ng
RT: 24.992 min Scan# 3685
Delta R.T. 0.009 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:252 Resp: 745484
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 4.0 7.0 10.4#

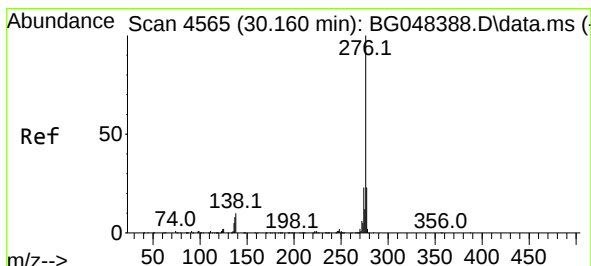
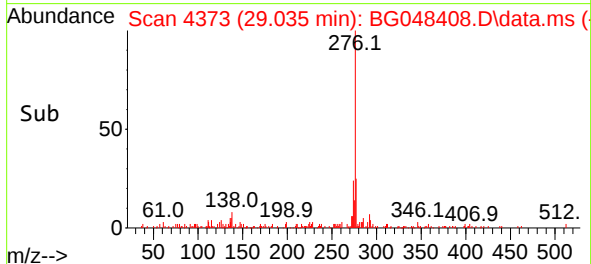
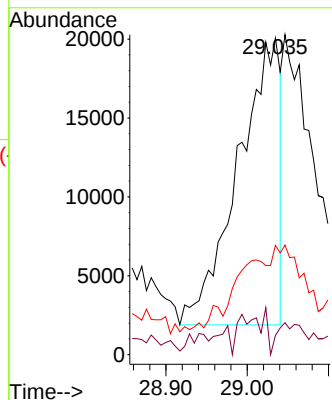
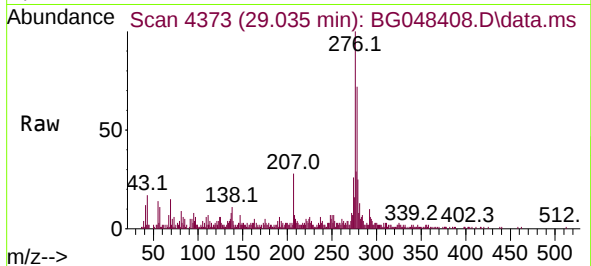




#91
Dibenzo(a,h)anthracene
Concen: 2.54 ng
RT: 29.035 min Scan# 4373
Delta R.T. -0.009 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Instrument :
BNA_G
ClientSampled :
TP-5A

Tgt Ion:278 Resp: 65178
Ion Ratio Lower Upper
278 100
139 6.1 10.5 15.7#
279 34.5 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 12.25 ng
RT: 30.186 min Scan# 4569
Delta R.T. 0.026 min
Lab File: BG048408.D
Acq: 17 Mar 2021 21:50

Tgt Ion:276 Resp: 304290
Ion Ratio Lower Upper
276 100
277 25.4 19.6 29.4
138 9.3 13.4 20.2#

