

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032521\
 Data File : BG048504.D
 Acq On : 25 Mar 2021 16:23
 Operator : CG/JU
 Sample : M1682-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-MANHOLE

Quant Time: Mar 25 17:49:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 25 02:47:17 2021
 Response via : Initial Calibration

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

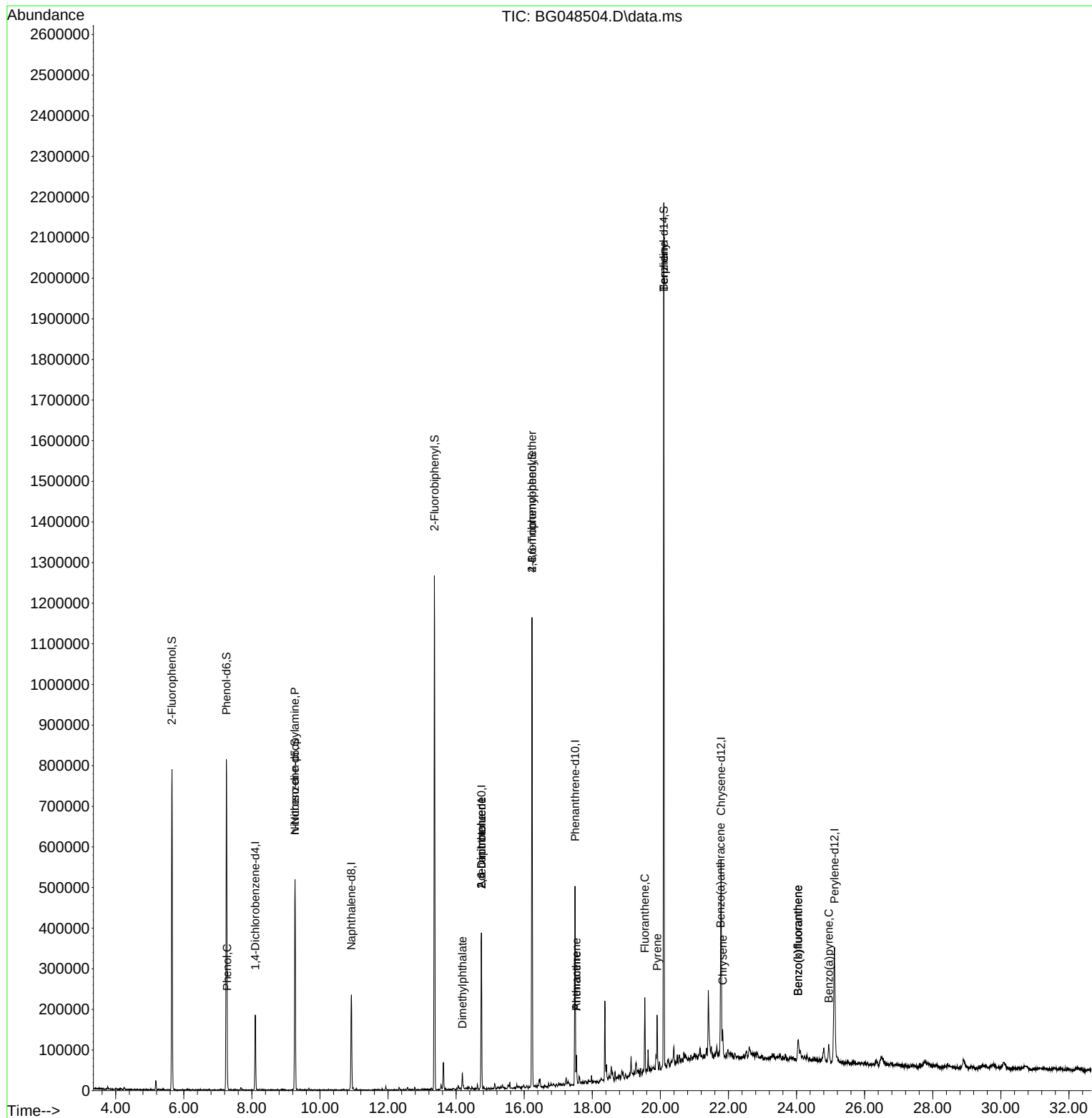
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.098	152	47307	20.00	ng	# 0.00
21) Naphthalene-d8	10.924	136	191231	20.00	ng	# 0.00
39) Acenaphthene-d10	14.743	164	130593	20.00	ng	0.00
64) Phenanthrene-d10	17.492	188	285334	20.00	ng	# 0.00
76) Chrysene-d12	21.782	240	285133	20.00	ng	#-0.01
86) Perylene-d12	25.113	264	310644	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.653	112	312625	109.28	ng	0.00
7) Phenol-d6	7.251	99	422961	101.61	ng	0.00
23) Nitrobenzene-d5	9.267	82	313944	65.64	ng	0.00
42) 2,4,6-Tribromophenol	16.229	330	203605	95.87	ng	0.00
45) 2-Fluorobiphenyl	13.362	172	615051	67.75	ng	0.00
79) Terphenyl-d14	20.101	244	933187	59.02	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.251	77	1751	Below Cal	#	1
10) Phenol	7.275	94	11990	2.81 ng	#	51
19) n-Nitroso-di-n-propyla...	9.267	70	46818	15.15 ng	#	75
50) Dimethylphthalate	14.185	163	23121	2.18 ng		97
51) 2,6-Dinitrotoluene	14.743	165	18505	8.09 ng	#	35
57) 2,4-Dinitrotoluene	14.743	165	18505	5.70 ng	#	33
67) 4-Bromophenyl-phenylether	16.229	248	13649	3.80 ng	#	1
71) Phenanthrene	17.534	178	41176	2.73 ng		97
72) Anthracene	17.534	178	41176	2.75 ng		98
75) Fluoranthene	19.543	202	93050	4.64 ng		95
77) Benzidine	20.101	184	18492	2.17 ng		97
78) Pyrene	19.901	202	87422	4.46 ng		92
81) Benzo(a)anthracene	21.764	228	49947	2.53 ng		97
83) Chrysene	21.829	228	48738	2.57 ng		97
88) Benzo(b)fluoranthene	24.044	252	68908	3.15 ng		98
89) Benzo(k)fluoranthene	24.044	252	68908	3.34 ng		98
90) Benzo(a)pyrene	24.948	252	46490	2.33 ng	#	97

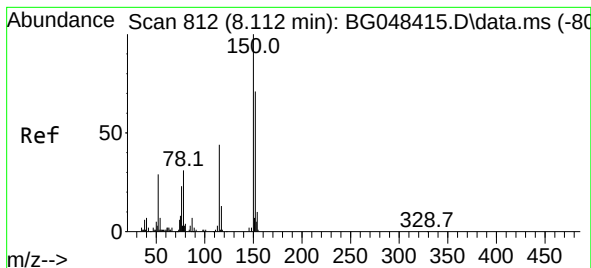
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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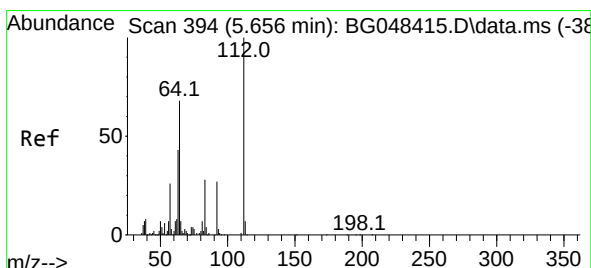
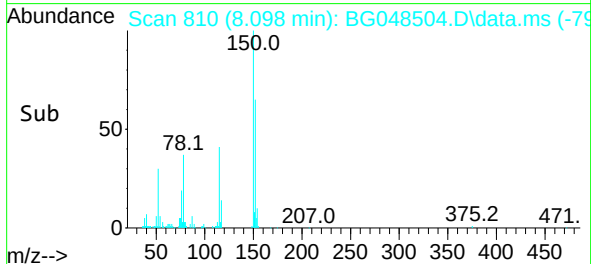
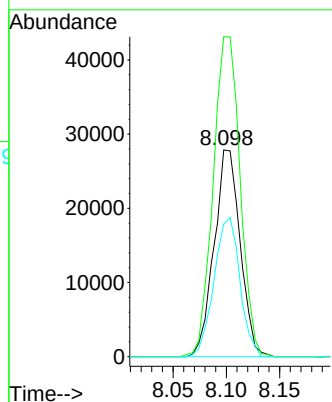
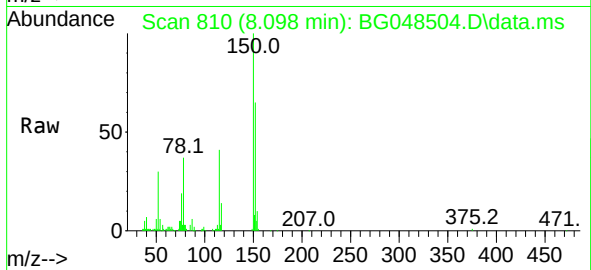




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.098 min Scan# 810
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

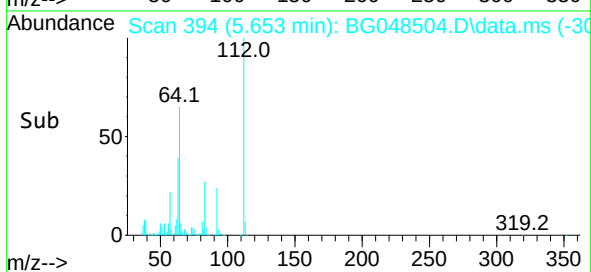
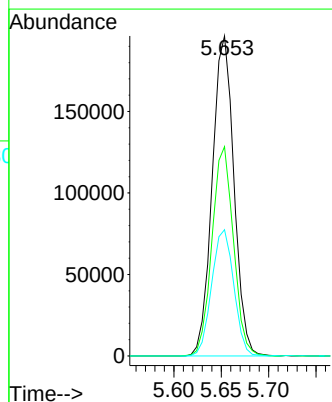
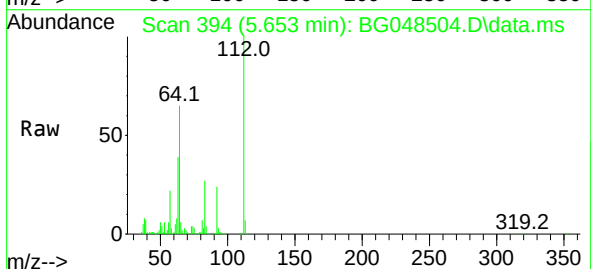
Instrument :
BNA_G
ClientSampleId :
SP-MANHOLE

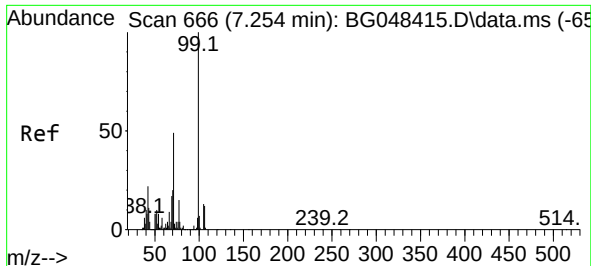
Tgt Ion:152 Resp: 47307
Ion Ratio Lower Upper
152 100
150 154.8 125.0 187.6
115 64.2 41.8 62.6#



#5
2-Fluorophenol
Concen: 109.28 ng
RT: 5.653 min Scan# 394
Delta R.T. 0.007 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:112 Resp: 312625
Ion Ratio Lower Upper
112 100
64 65.4 46.7 70.1
63 39.4 22.8 34.2#

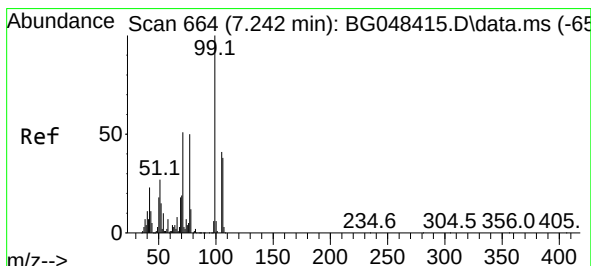
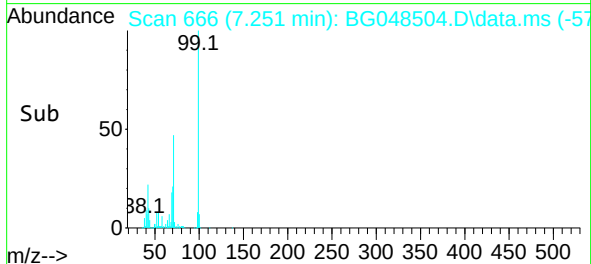
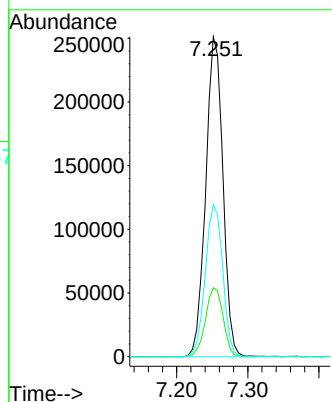
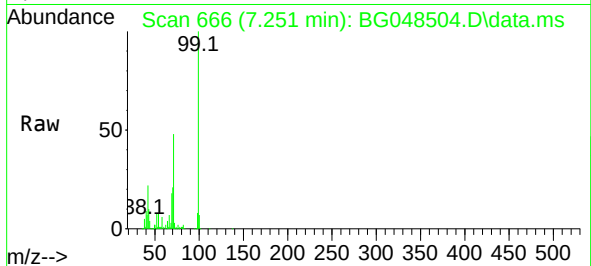




#7
Phenol-d6
Concen: 101.61 ng
RT: 7.251 min Scan# 666
Delta R.T. 0.001 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

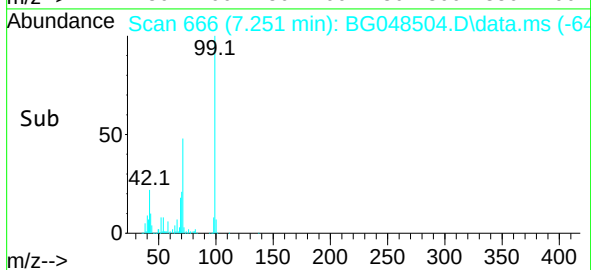
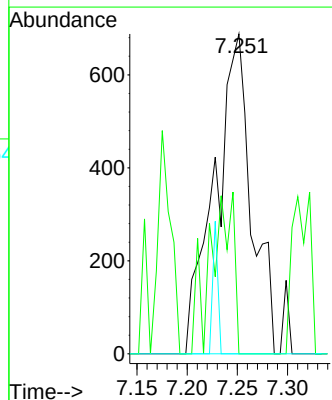
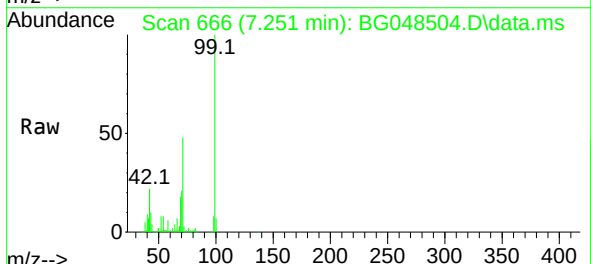
Instrument :
BNA_G
ClientSampleId :
SP-MANHOLE

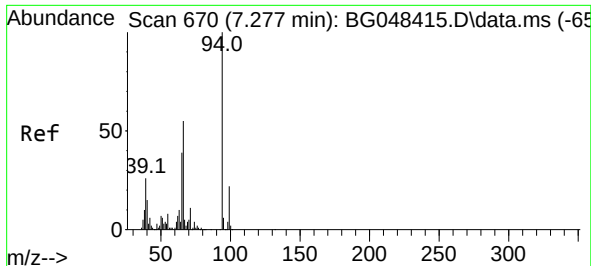
Tgt Ion: 99 Resp: 422961
Ion Ratio Lower Upper
99 100
42 21.6 12.8 19.2#
71 47.5 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.251 min Scan# 666
Delta R.T. 0.012 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion: 77 Resp: 1751
Ion Ratio Lower Upper
77 100
105 0.0 85.9 125.9#
106 0.0 80.9 120.9#

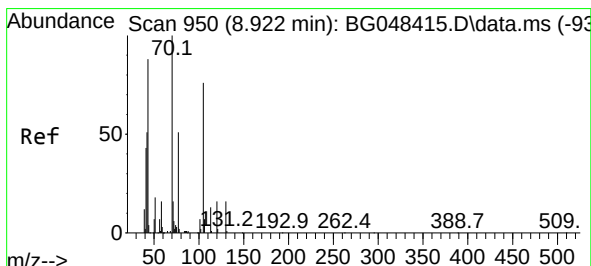
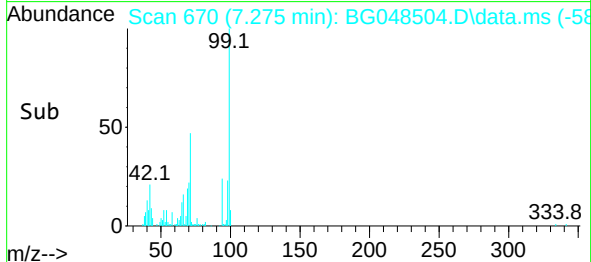
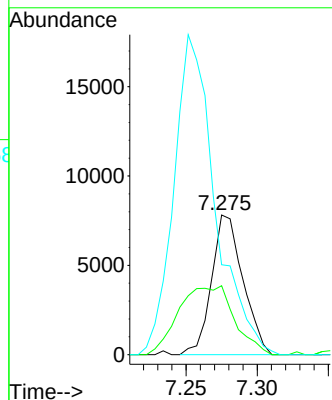
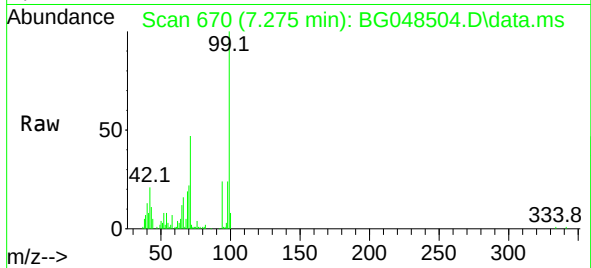




#10
Phenol
Concen: 2.81 ng
RT: 7.275 min Scan# 670
Delta R.T. 0.001 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

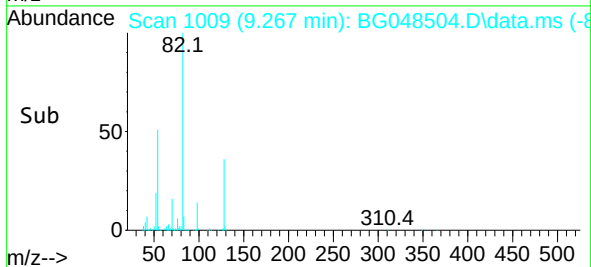
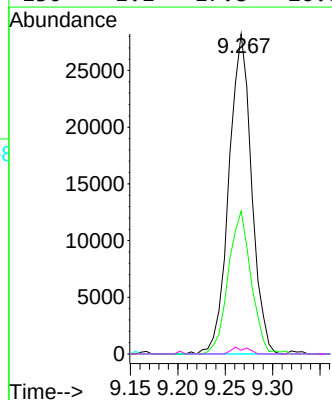
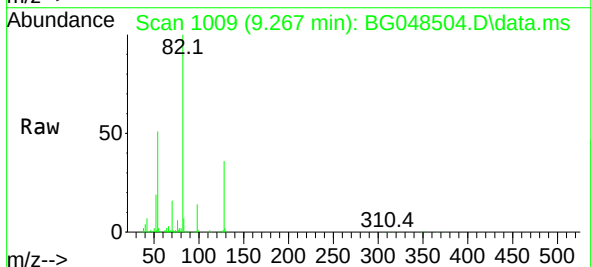
Instrument :
BNA_G
ClientSampleId :
SP-MANHOLE

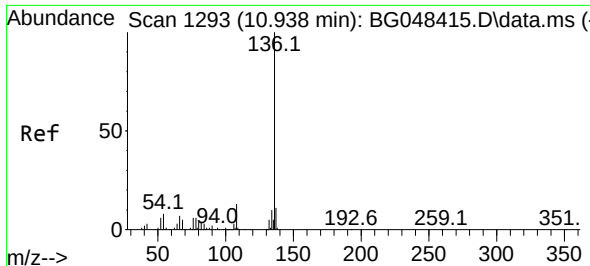
Tgt Ion: 94 Resp: 11990
Ion Ratio Lower Upper
94 100
65 49.3 6.6 46.6#
66 64.4 13.9 53.9#



#19
n-Nitroso-di-n-propylamine
Concen: 15.15 ng
RT: 9.267 min Scan# 1009
Delta R.T. 0.353 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion: 70 Resp: 46818
Ion Ratio Lower Upper
70 100
42 44.7 45.6 68.4#
101 0.0 8.4 12.6#
130 1.1 17.8 26.8#

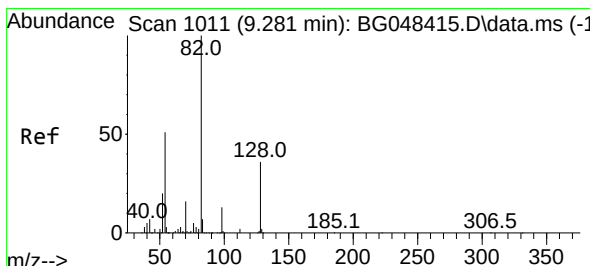
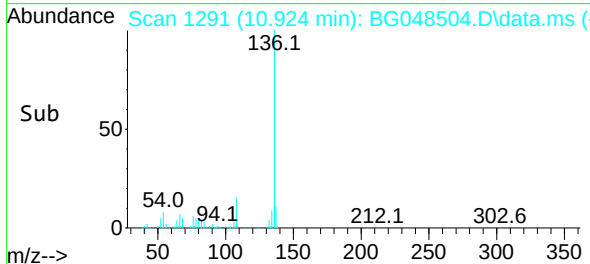
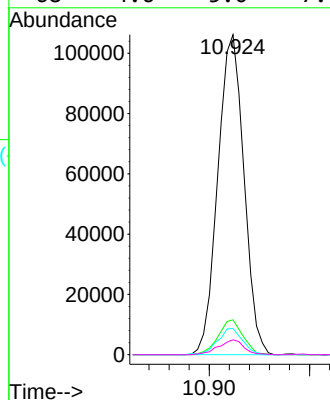
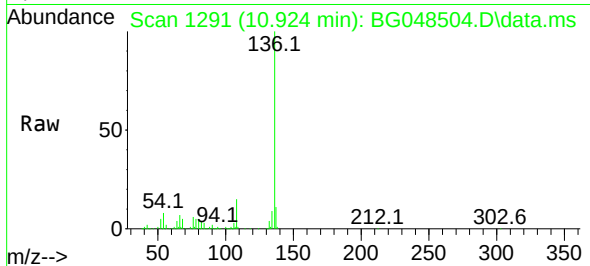




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.924 min Scan# 1291
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

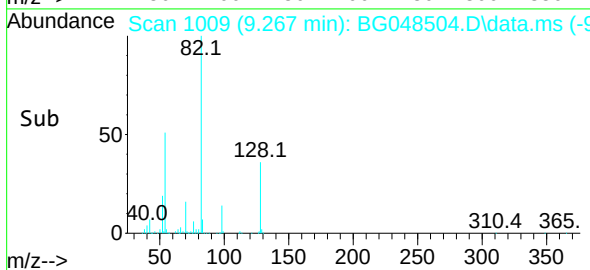
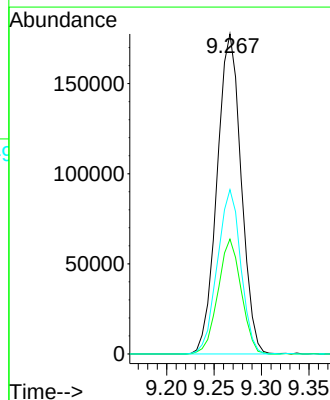
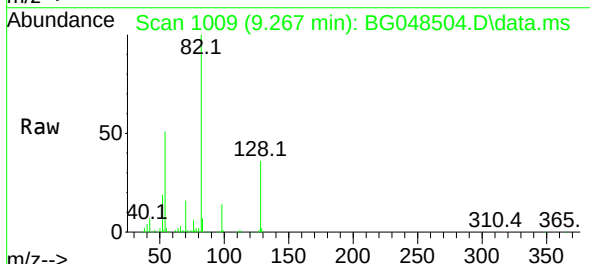
Instrument :
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ClientSampleId :
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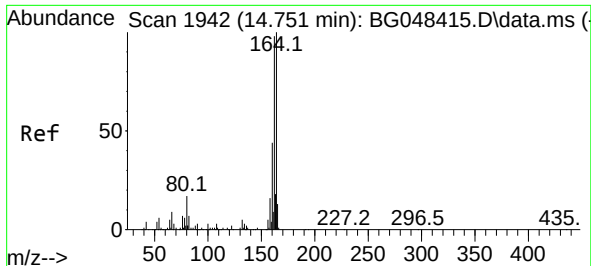
Tgt Ion:	136	Resp:	191231
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	8.2	6.2	9.4
68	4.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 65.64 ng
RT: 9.267 min Scan# 1009
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:	82	Resp:	313944
Ion Ratio	Lower	Upper	
82	100		
128	35.9	37.0	55.6
54	51.3	39.0	58.4

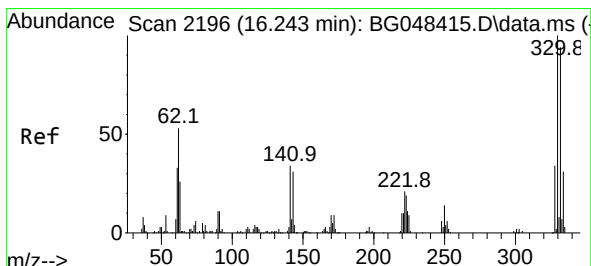
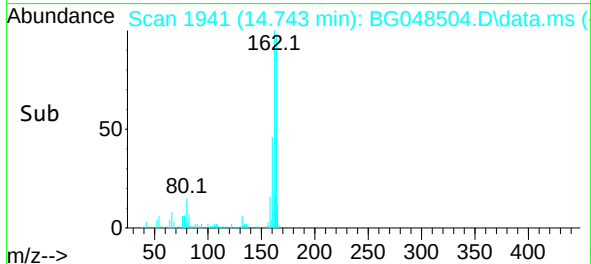
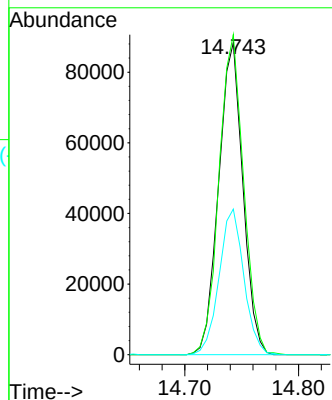
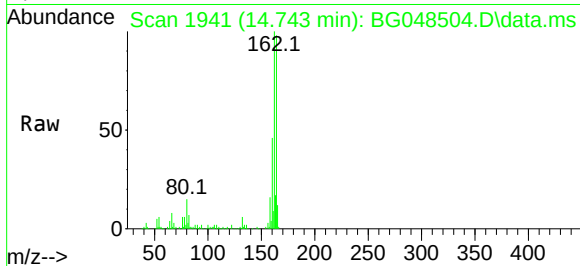




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.743 min Scan# 1941
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

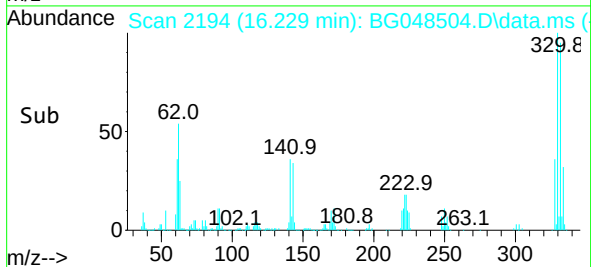
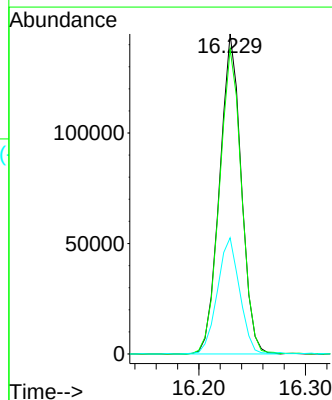
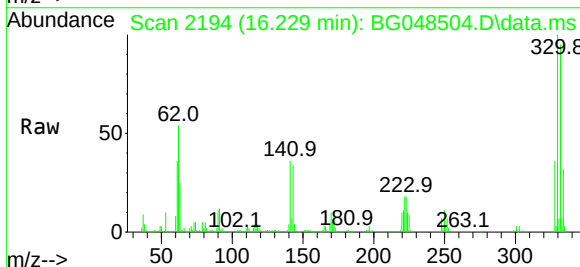
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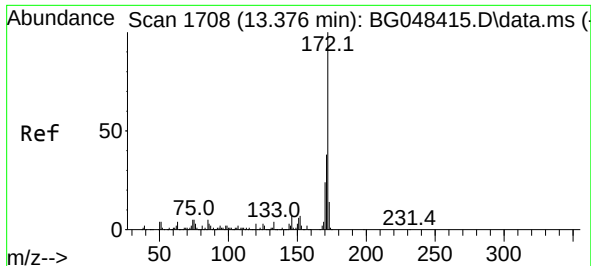
Tgt Ion:164 Resp: 130593
Ion Ratio Lower Upper
164 100
162 102.6 82.3 123.5
160 46.7 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 95.87 ng
RT: 16.229 min Scan# 2194
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:330 Resp: 203605
Ion Ratio Lower Upper
330 100
332 97.2 76.5 114.7
141 37.6 26.0 39.0

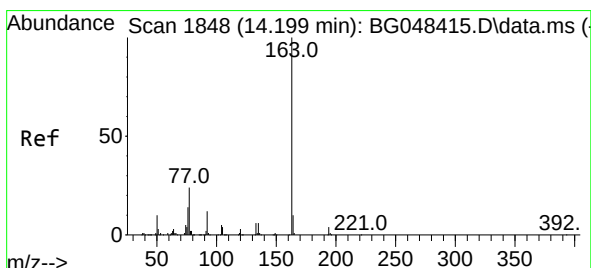
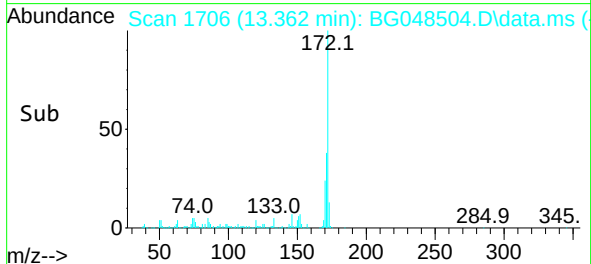
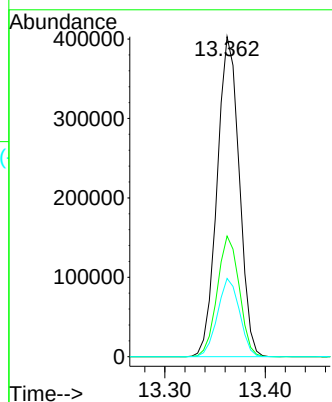
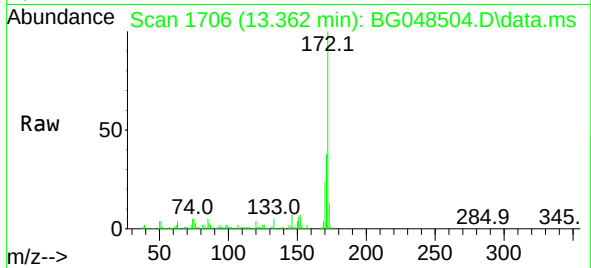




#45
2-Fluorobiphenyl
Concen: 67.75 ng
RT: 13.362 min Scan# 1706
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

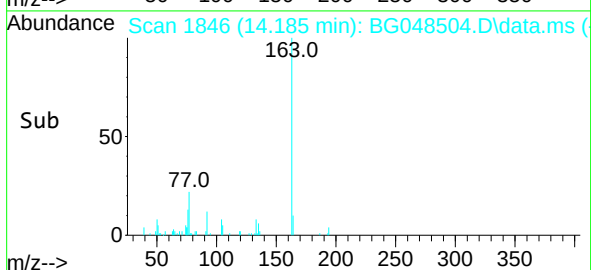
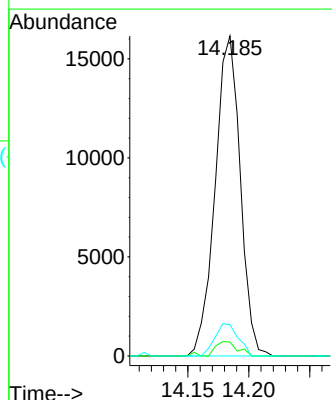
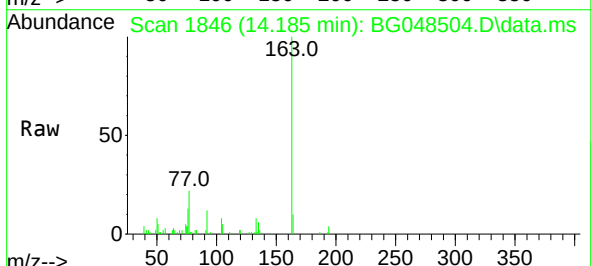
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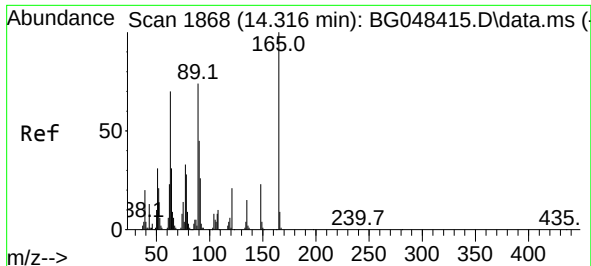
Tgt Ion:172 Resp: 615051
Ion Ratio Lower Upper
172 100
171 37.7 31.3 46.9
170 24.5 20.8 31.2



#50
Dimethylphthalate
Concen: 2.18 ng
RT: 14.185 min Scan# 1846
Delta R.T. -0.011 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:163 Resp: 23121
Ion Ratio Lower Upper
163 100
194 4.4 3.8 5.8
164 9.8 8.8 13.2

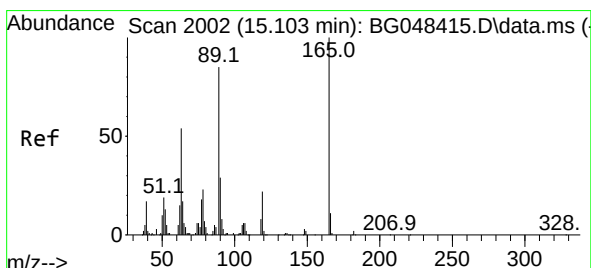
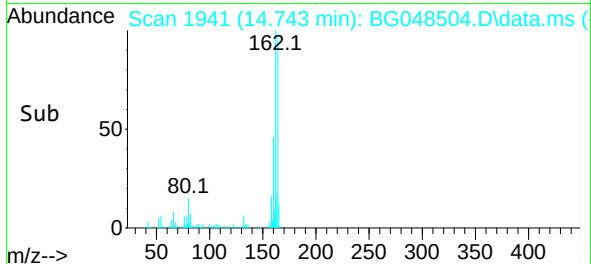
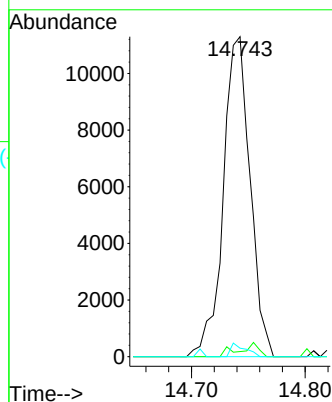
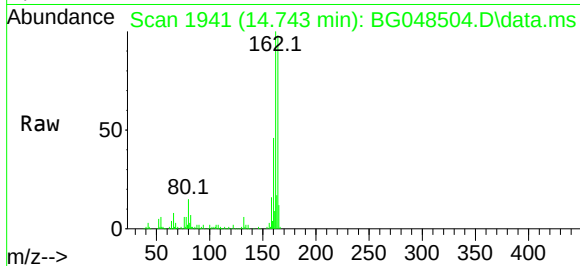




#51
2,6-Dinitrotoluene
Concen: 8.09 ng
RT: 14.743 min Scan# 1941
Delta R.T. 0.430 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

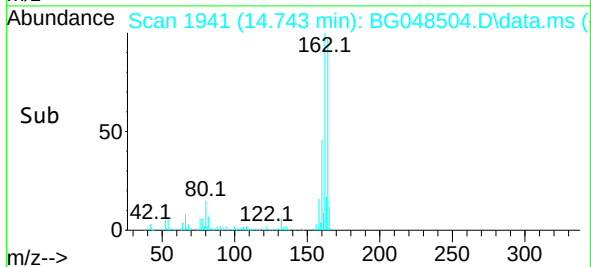
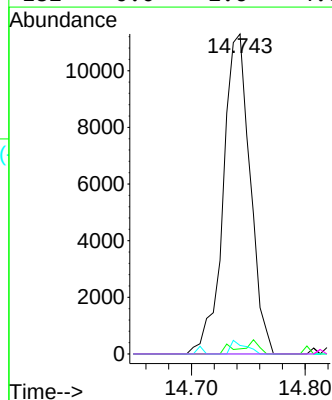
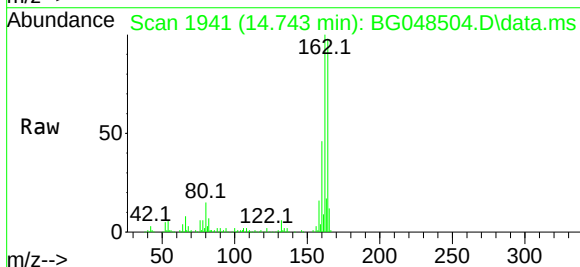
Instrument :
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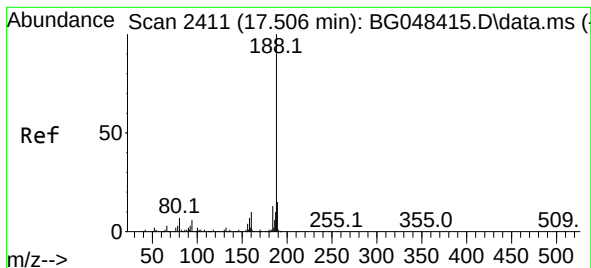
Tgt Ion:165 Resp: 18505
Ion Ratio Lower Upper
165 100
63 1.6 33.7 50.5#
89 2.7 36.6 54.8#



#57
2,4-Dinitrotoluene
Concen: 5.70 ng
RT: 14.743 min Scan# 1941
Delta R.T. -0.358 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:165 Resp: 18505
Ion Ratio Lower Upper
165 100
63 1.6 26.4 39.6#
89 2.7 47.8 71.8#
182 0.0 2.6 4.0#

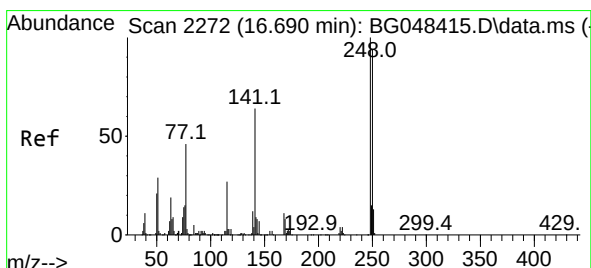
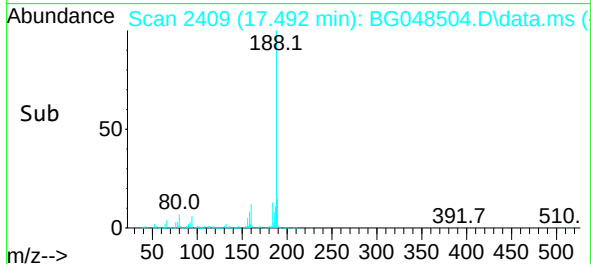
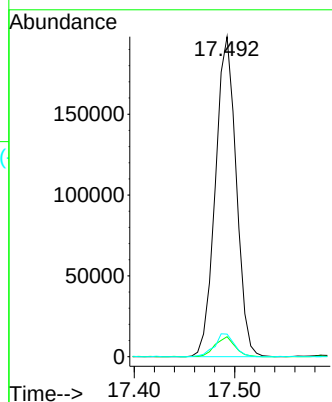
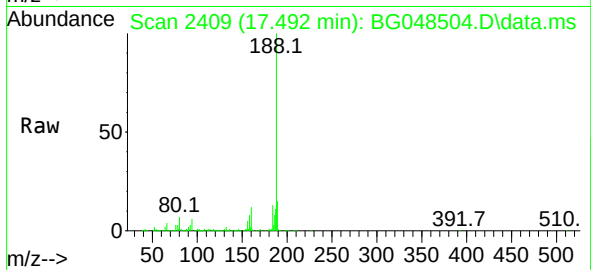




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.492 min Scan# 2409
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

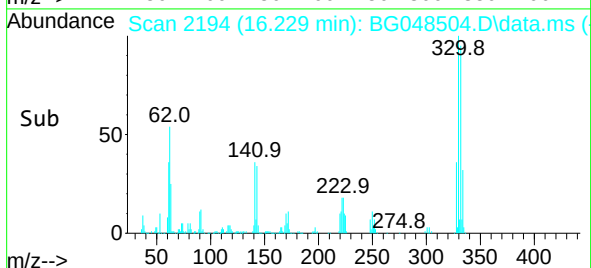
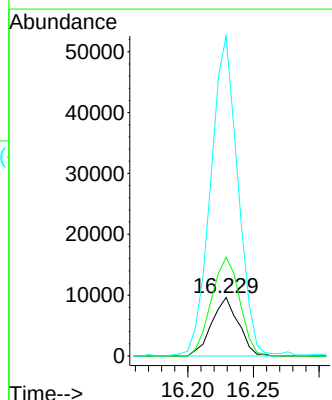
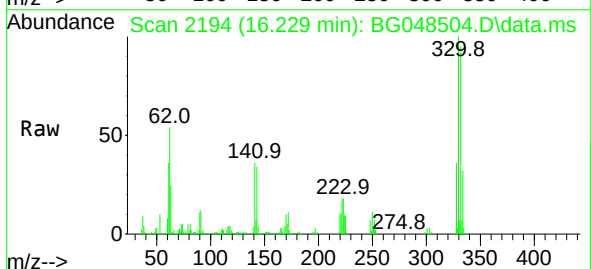
Instrument :
BNA_G
ClientSampleId :
SP-MANHOLE

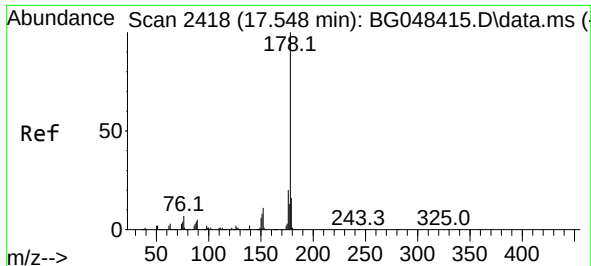
Tgt Ion:188 Resp: 285334
Ion Ratio Lower Upper
188 100
94 6.2 6.3 9.5#
80 7.1 7.0 10.6



#67
4-Bromophenyl-phenylether
Concen: 3.80 ng
RT: 16.229 min Scan# 2194
Delta R.T. -0.452 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:248 Resp: 13649
Ion Ratio Lower Upper
248 100
250 168.5 78.9 118.3#
141 547.4 46.2 69.4#

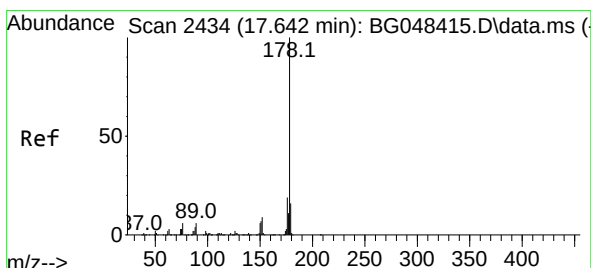
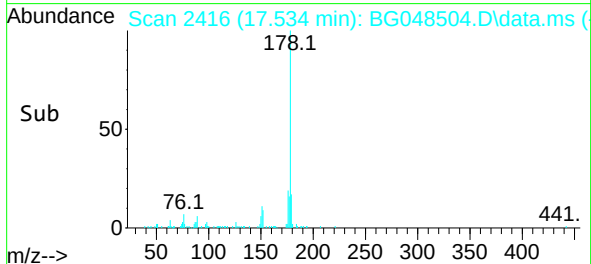
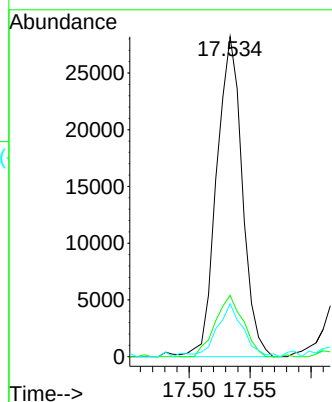
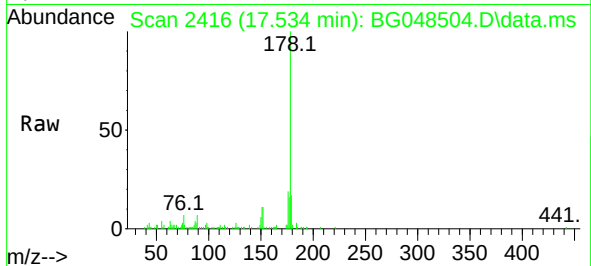




#71
Phenanthrene
Concen: 2.73 ng
RT: 17.534 min Scan# 2416
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

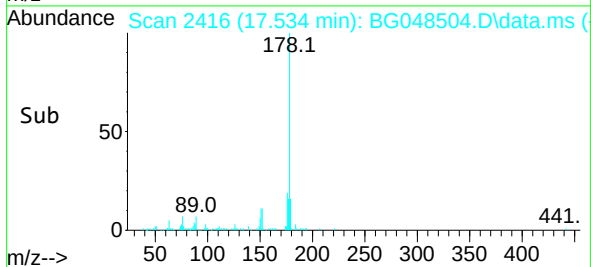
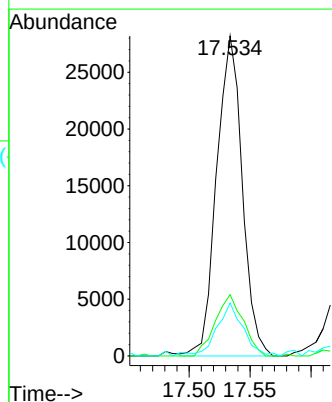
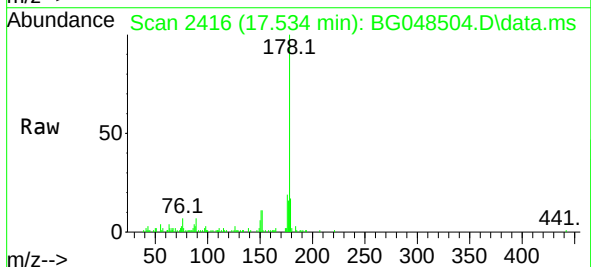
Instrument :
BNA_G
ClientSampleId :
SP-MANHOLE

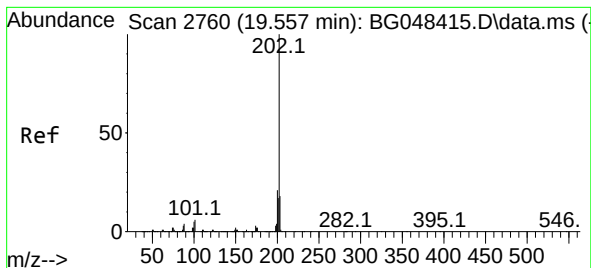
Tgt Ion:178 Resp: 41176
Ion Ratio Lower Upper
178 100
176 19.2 16.7 25.1
179 16.5 14.0 21.0



#72
Anthracene
Concen: 2.75 ng
RT: 17.534 min Scan# 2416
Delta R.T. -0.099 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:178 Resp: 41176
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 16.5 13.8 20.6

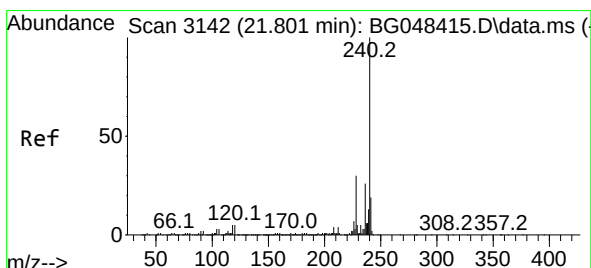
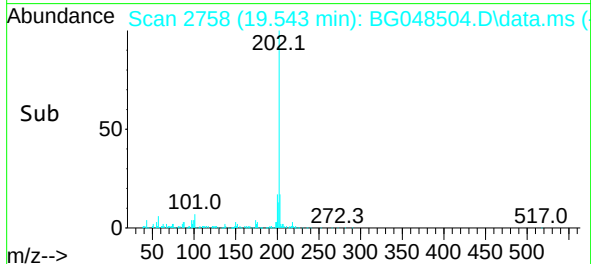
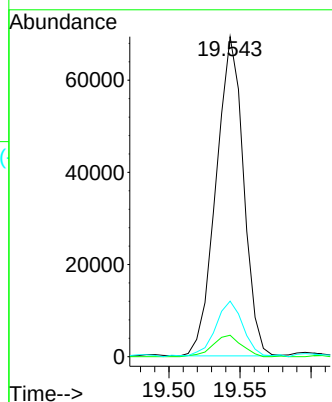
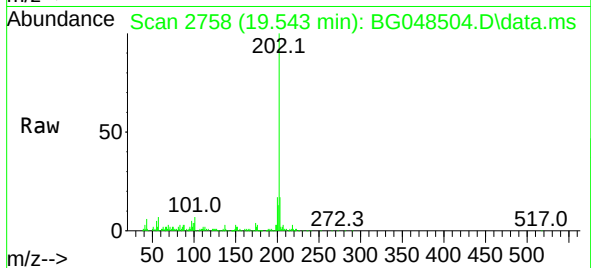




#75
Fluoranthene
Concen: 4.64 ng
RT: 19.543 min Scan# 2758
Delta R.T. -0.005 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

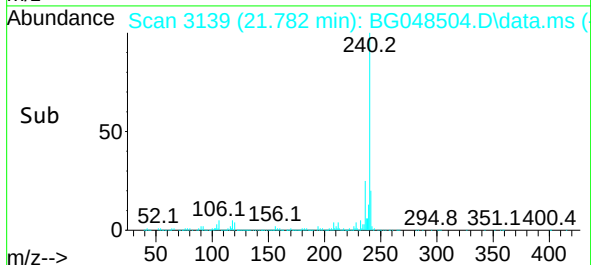
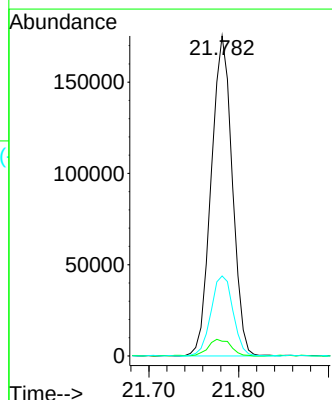
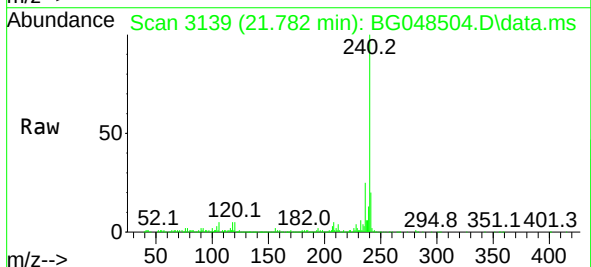
Instrument :
BNA_G
ClientSampleId :
SP-MANHOLE

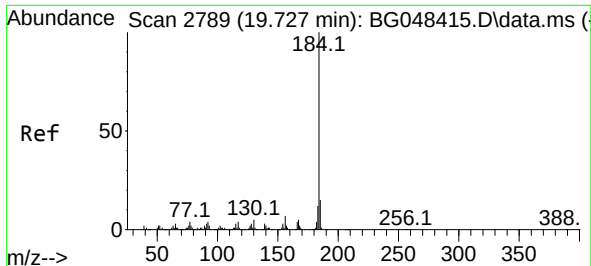
Tgt Ion:202 Resp: 93050
Ion Ratio Lower Upper
202 100
101 6.7 0.0 29.7
203 17.3 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.782 min Scan# 3139
Delta R.T. -0.011 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:240 Resp: 285133
Ion Ratio Lower Upper
240 100
120 4.6 6.2 9.4#
236 25.0 20.5 30.7

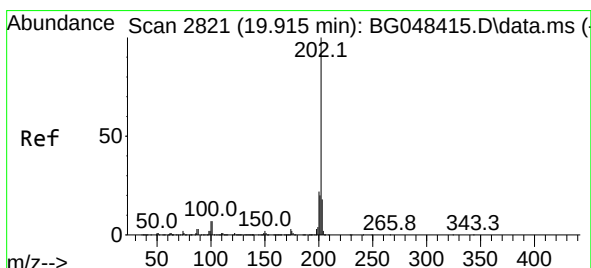
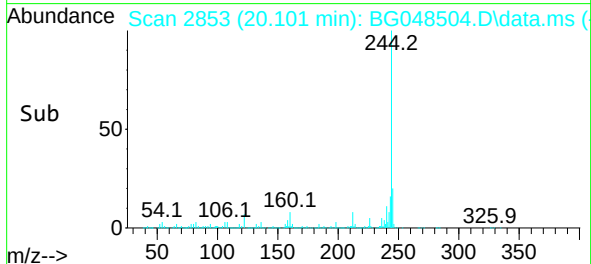
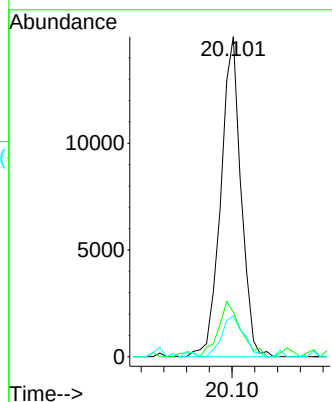
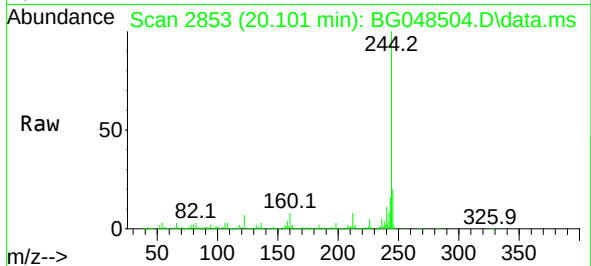




#77
Benzidine
Concen: 2.17 ng
RT: 20.101 min Scan# 2853
Delta R.T. 0.377 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

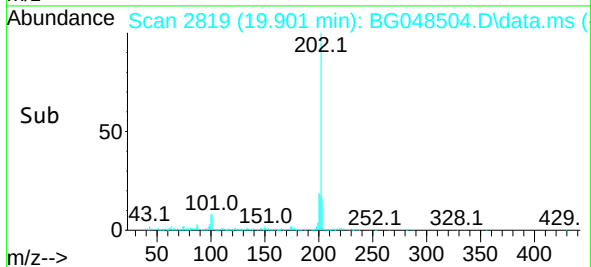
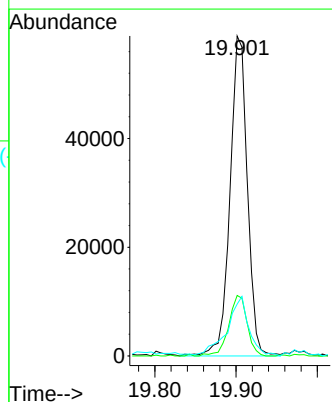
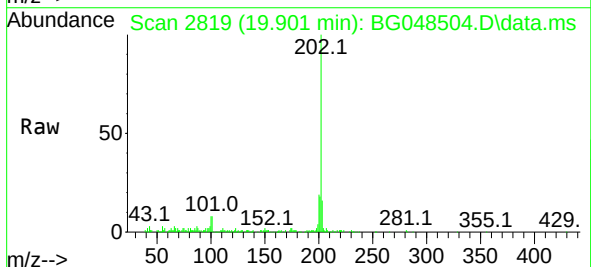
Instrument :
BNA_G
ClientSampleId :
SP-MANHOLE

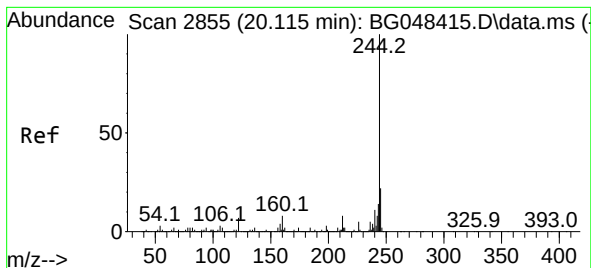
Tgt Ion:184 Resp: 18492
Ion Ratio Lower Upper
184 100
185 13.9 12.4 18.6
183 12.7 10.6 15.8



#78
Pyrene
Concen: 4.46 ng
RT: 19.901 min Scan# 2819
Delta R.T. -0.011 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:202 Resp: 87422
Ion Ratio Lower Upper
202 100
200 18.9 18.6 27.8
203 16.2 15.3 22.9





#79

Terphenyl-d14

Concen: 59.02 ng

RT: 20.101 min Scan# 2853

Delta R.T. -0.005 min

Lab File: BG048504.D

Acq: 25 Mar 2021 16:23

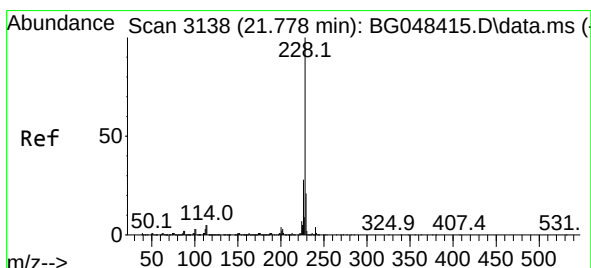
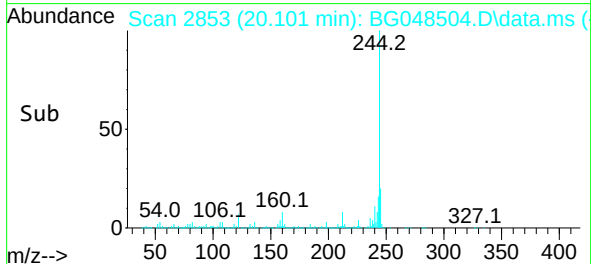
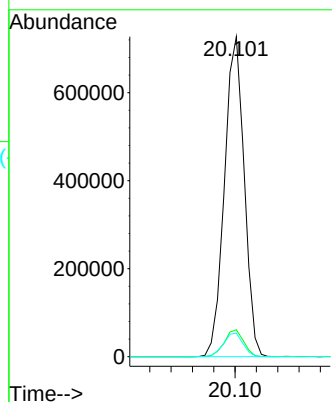
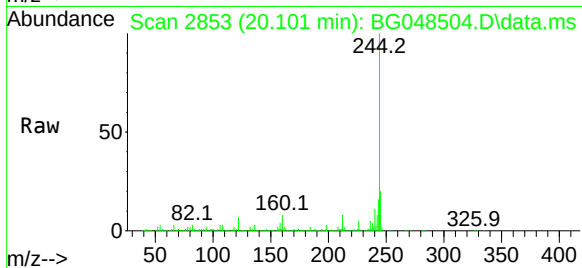
Tgt Ion:244 Resp: 933187

Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

122 7.4 7.8 11.6#



#81

Benzo(a)anthracene

Concen: 2.53 ng

RT: 21.764 min Scan# 3136

Delta R.T. -0.005 min

Lab File: BG048504.D

Acq: 25 Mar 2021 16:23

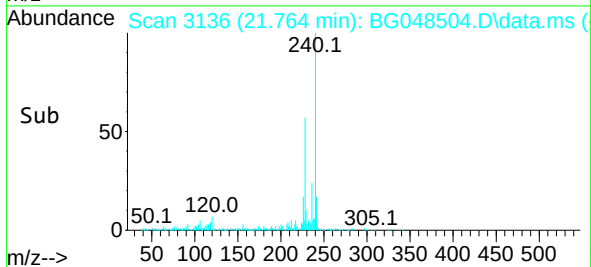
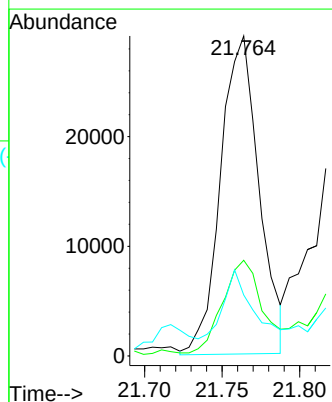
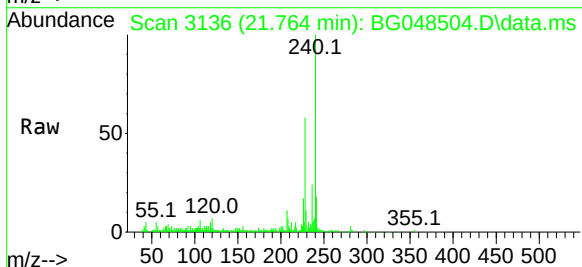
Tgt Ion:228 Resp: 49947

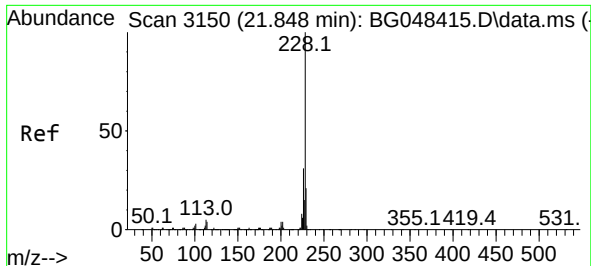
Ion Ratio Lower Upper

228 100

226 29.9 23.3 34.9

229 19.1 17.4 26.0

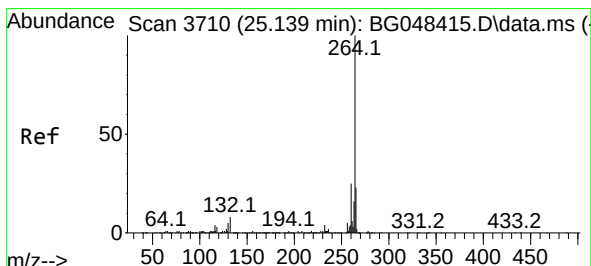
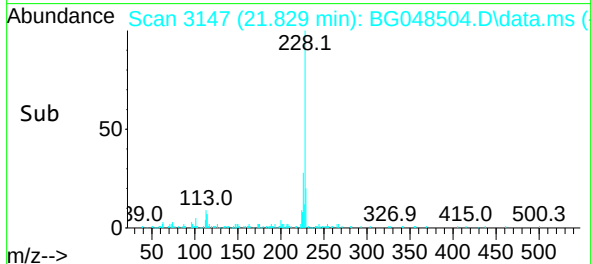
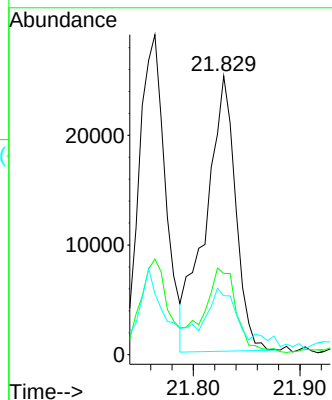
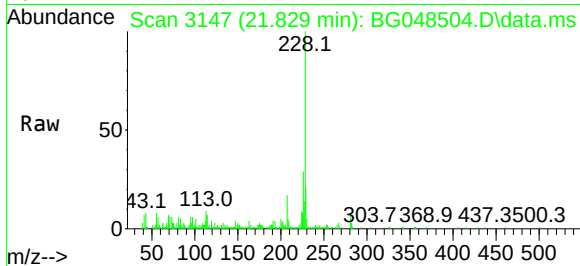




#83
Chrysene
Concen: 2.57 ng
RT: 21.829 min Scan# 3147
Delta R.T. -0.011 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

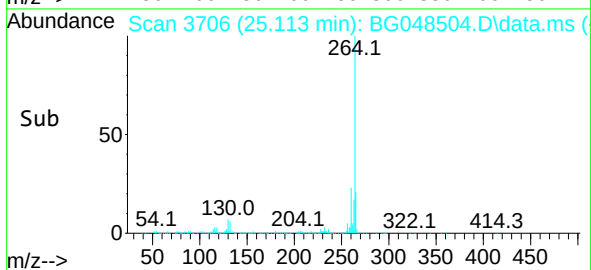
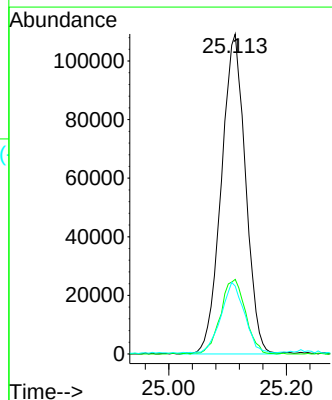
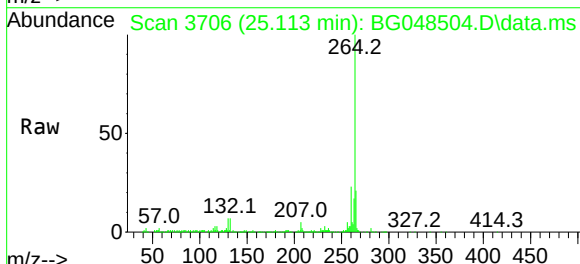
Instrument :
BNA_G
ClientSampleId :
SP-MANHOLE

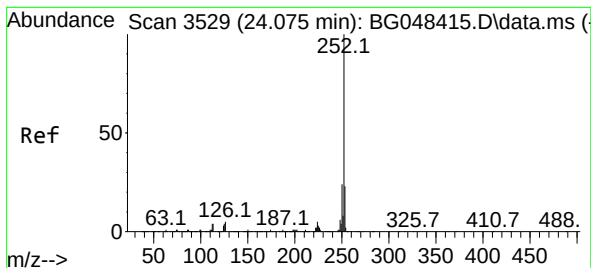
Tgt Ion:228	Resp:	48738
Ion Ratio	Lower	Upper
228	100	
226	29.2	25.0 37.4
229	21.2	17.3 25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.113 min Scan# 3706
Delta R.T. -0.011 min
Lab File: BG048504.D
Acq: 25 Mar 2021 16:23

Tgt Ion:264	Resp:	310644
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.8 28.2
265	21.2	17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 3.15 ng

RT: 24.044 min Scan# 3524

Delta R.T. -0.017 min

Lab File: BG048504.D

Acq: 25 Mar 2021 16:23

Instrument :

BNA_G

ClientSampleId :

SP-MANHOLE

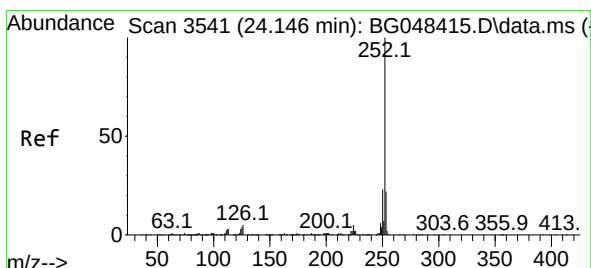
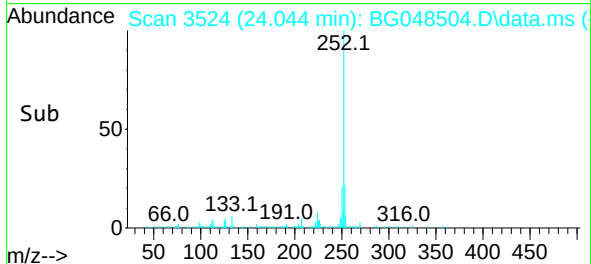
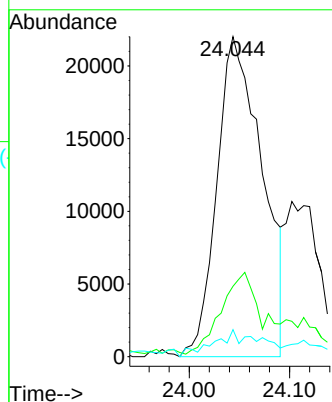
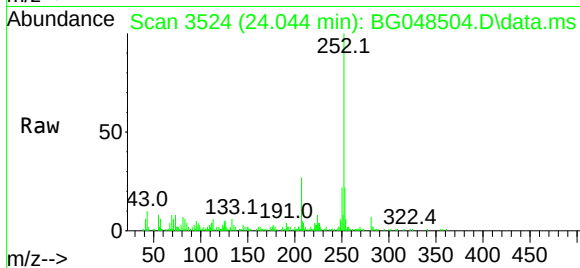
Tgt Ion:252 Resp: 68908

Ion Ratio Lower Upper

252 100

253 22.0 18.7 28.1

125 8.4 6.5 9.7



#89

Benzo(k)fluoranthene

Concen: 3.34 ng

RT: 24.044 min Scan# 3524

Delta R.T. -0.087 min

Lab File: BG048504.D

Acq: 25 Mar 2021 16:23

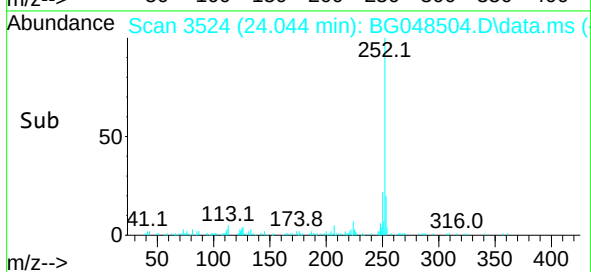
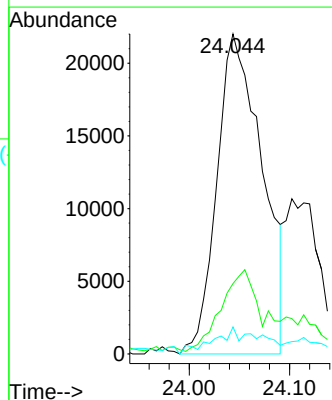
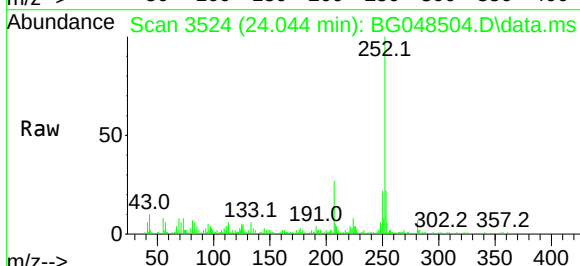
Tgt Ion:252 Resp: 68908

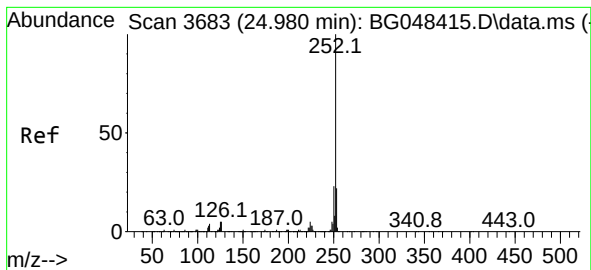
Ion Ratio Lower Upper

252 100

253 22.0 18.6 27.8

125 8.4 6.8 10.2





#90

Benzo(a)pyrene

Concen: 2.33 ng

RT: 24.948 min Scan# 3678

Delta R.T. -0.023 min

Lab File: BG048504.D

Acq: 25 Mar 2021 16:23

Tgt Ion:252 Resp: 46490

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 6.4 7.0 10.4#

Instrument :

BNA_G

ClientSampleId :

SP-MANHOLE

