

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020221\
 Data File : BG048079.D
 Acq On : 2 Feb 2021 16:31
 Operator : CG/JU
 Sample : M1297-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LLEXSITUTV-026-001-SO

Quant Time: Feb 02 17:06:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 02 15:30:13 2021
 Response via : Initial Calibration

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

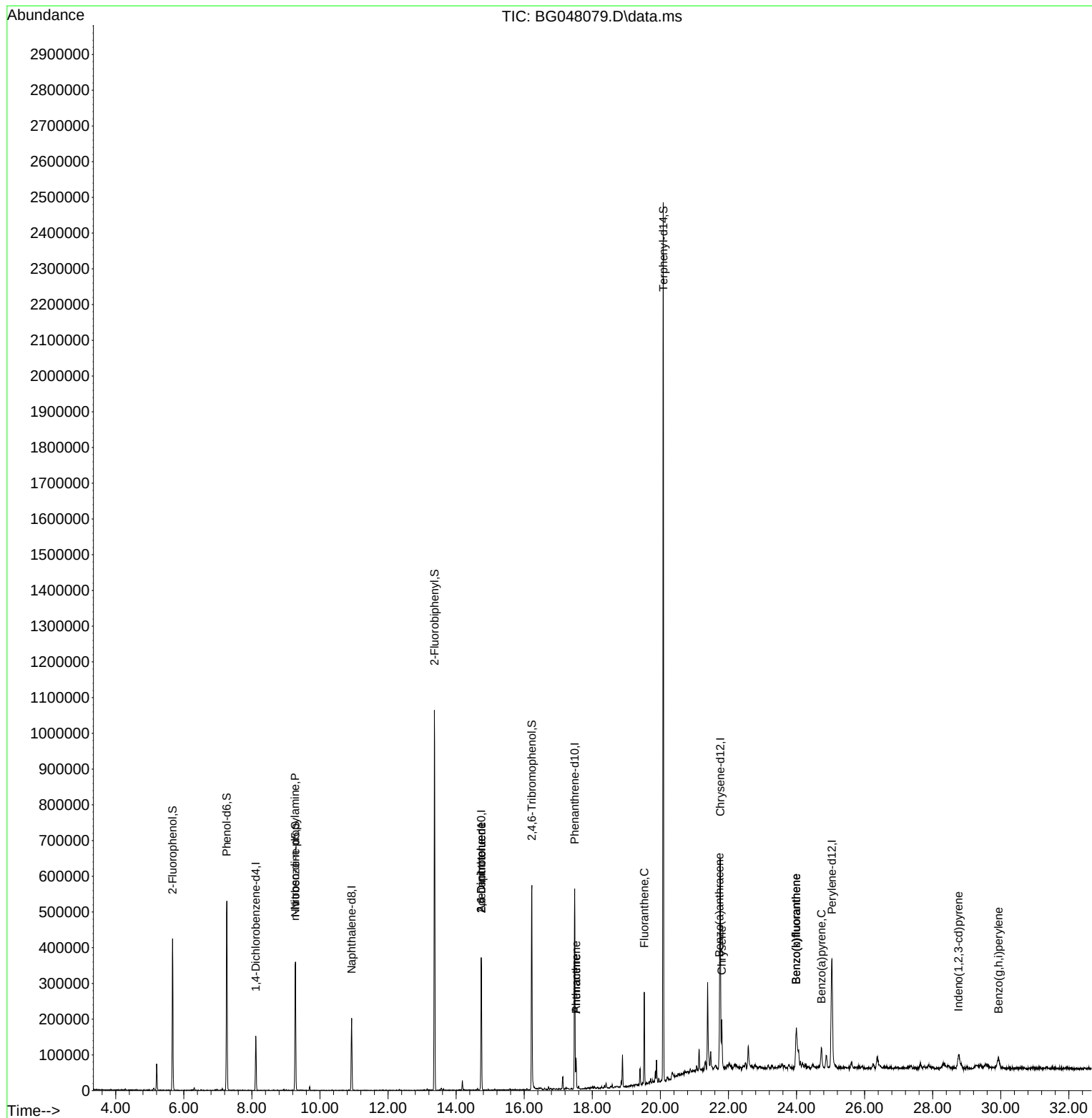
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	42095	20.00	ng	0.00
21) Naphthalene-d8	10.931	136	156477	20.00	ng	0.00
39) Acenaphthene-d10	14.739	164	126479	20.00	ng	0.00
64) Phenanthrene-d10	17.482	188	346693	20.00	ng	# 0.00
76) Chrysene-d12	21.760	240	364869	20.00	ng	# 0.00
86) Perylene-d12	25.038	264	362871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	167551	61.17	ng	0.00
7) Phenol-d6	7.265	99	280387	67.33	ng	0.00
23) Nitrobenzene-d5	9.280	82	223497	56.51	ng	0.00
42) 2,4,6-Tribromophenol	16.225	330	117982	56.01	ng	0.00
45) 2-Fluorobiphenyl	13.364	172	536083	54.80	ng	0.00
79) Terphenyl-d14	20.085	244	1063620	50.54	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.274	70	31851	10.48	ng	# 79
51) 2,6-Dinitrotoluene	14.739	165	16807	7.06	ng	# 34
57) 2,4-Dinitrotoluene	14.739	165	16807	4.89	ng	# 32
71) Phenanthrene	17.523	178	57555	2.88	ng	94
72) Anthracene	17.523	178	57555	2.93	ng	95
75) Fluoranthene	19.527	202	168575	6.43	ng	96
81) Benzo(a)anthracene	21.736	228	59944	2.26	ng	94
83) Chrysene	21.807	228	103242	4.10	ng	99
87) Indeno(1,2,3-cd)pyrene	28.757	276	68134	2.33	ng	# 85
88) Benzo(b)fluoranthene	23.992	252	144431	5.60	ng	# 98
89) Benzo(k)fluoranthene	23.992	252	144431	5.76	ng	# 98
90) Benzo(a)pyrene	24.733	252	62264	2.57	ng	97
92) Benzo(g,h,i)perylene	29.938	276	56920	2.45	ng	# 89

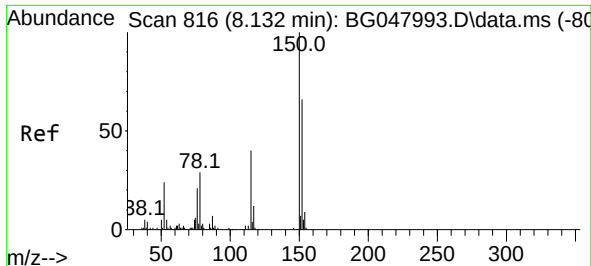
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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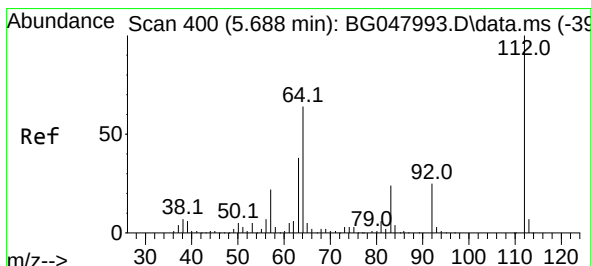
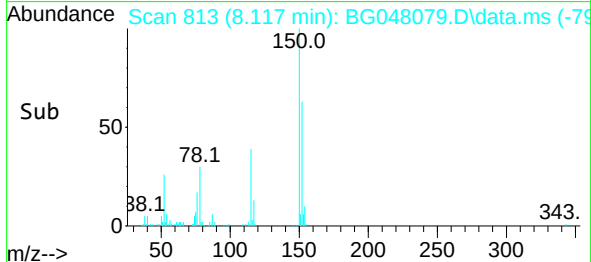
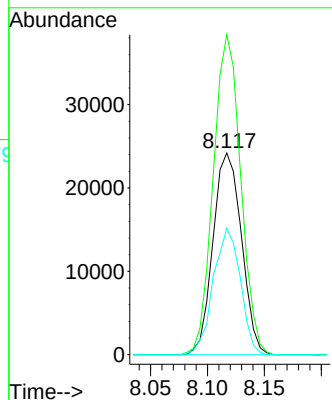
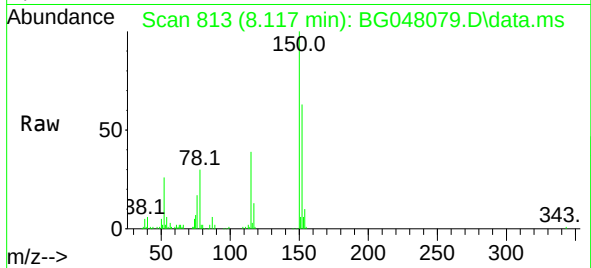




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.117 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

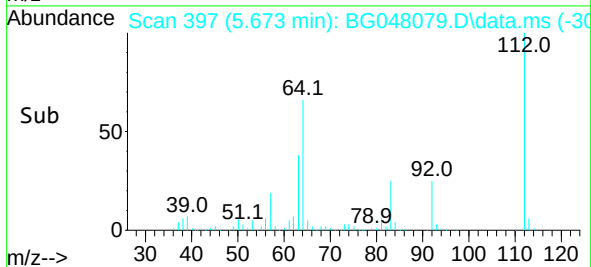
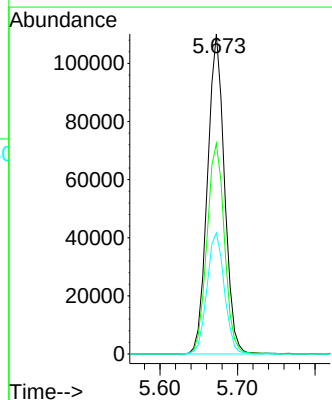
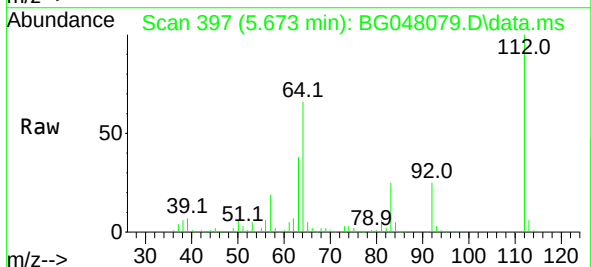
Instrument :
BNA_G
ClientSampleId :
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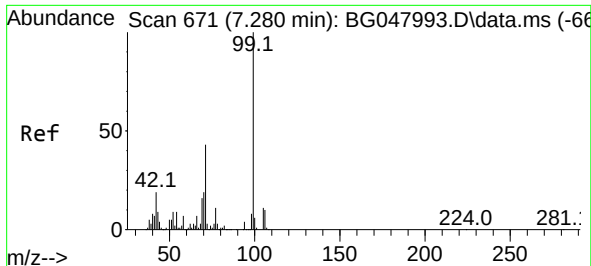
Tgt Ion:152 Resp: 42095
Ion Ratio Lower Upper
152 100
150 158.6 125.0 187.6
115 62.6 41.8 62.6



#5
2-Fluorophenol
Concen: 61.17 ng
RT: 5.673 min Scan# 397
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

Tgt Ion:112 Resp: 167551
Ion Ratio Lower Upper
112 100
64 65.8 46.7 70.1
63 37.9 22.8 34.2#

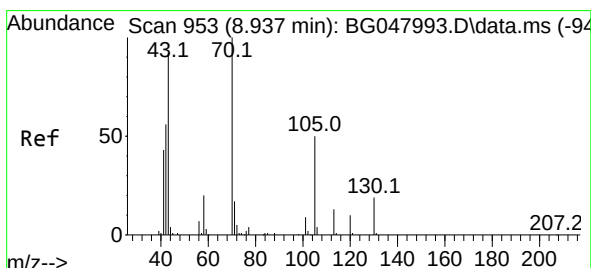
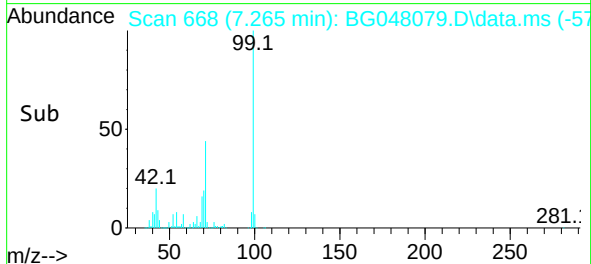
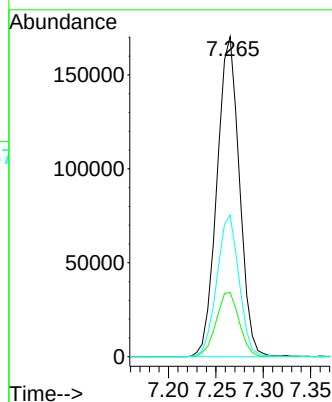
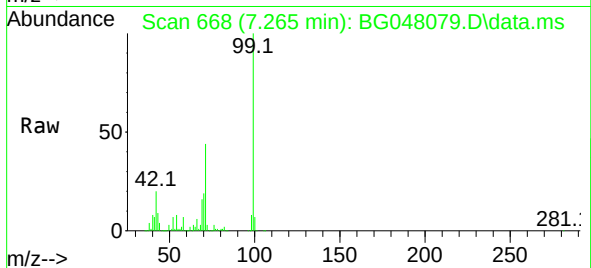




#7
Phenol-d6
Concen: 67.33 ng
RT: 7.265 min Scan# 668
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

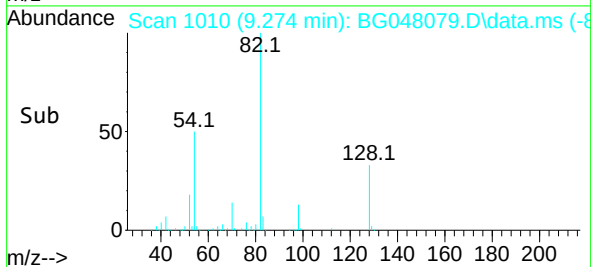
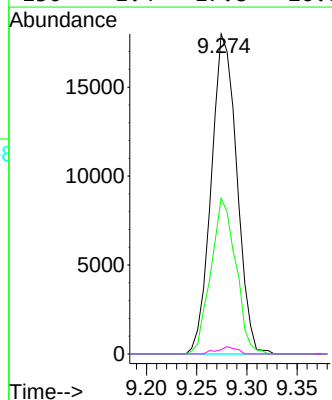
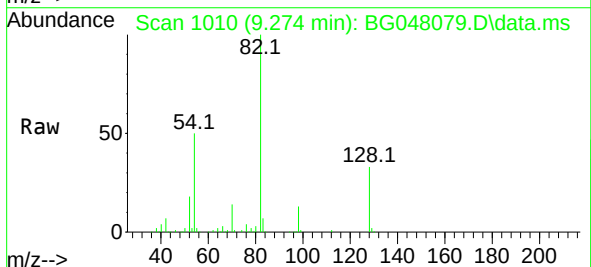
Instrument :
BNA_G
ClientSampleId :
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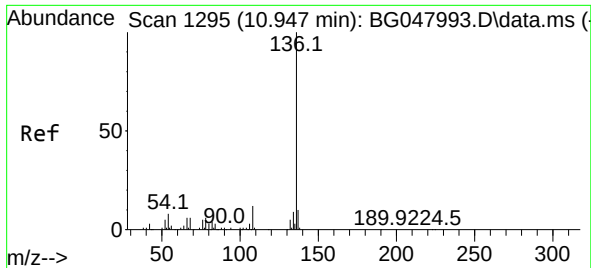
Tgt Ion: 99 Resp: 280387
Ion Ratio Lower Upper
99 100
42 20.1 12.8 19.2#
71 44.3 24.6 36.8#



#19
n-Nitroso-di-n-propylamine
Concen: 10.48 ng
RT: 9.274 min Scan# 1010
Delta R.T. 0.350 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

Tgt Ion: 70 Resp: 31851
Ion Ratio Lower Upper
70 100
42 48.6 45.6 68.4
101 0.0 8.4 12.6#
130 1.4 17.8 26.8#

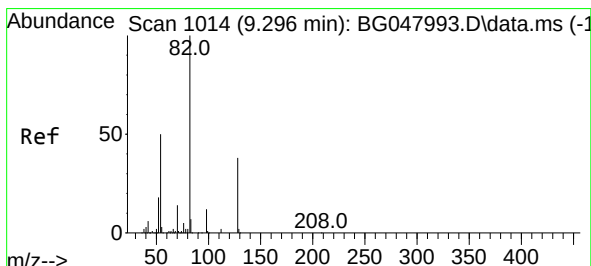
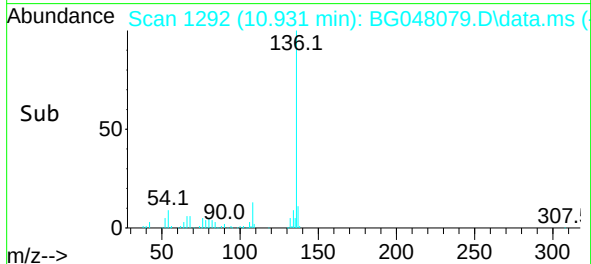
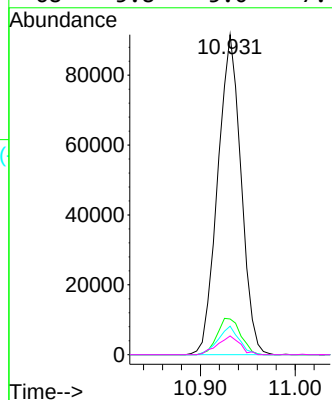
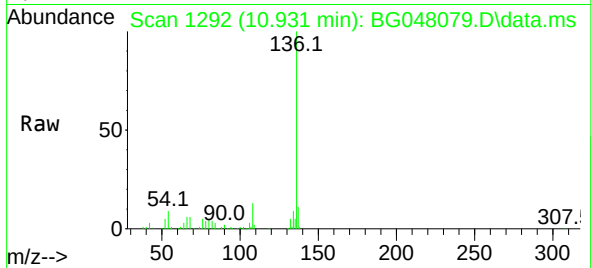




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.931 min Scan# 1292
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

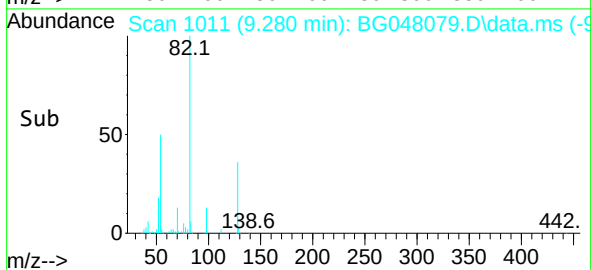
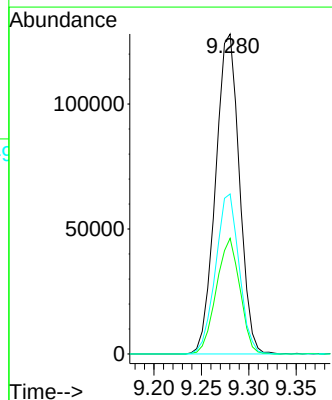
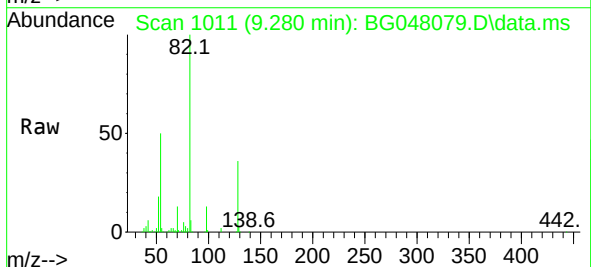
Instrument :
BNA_G
ClientSampleId :
LLEXSITUTV-026-001-SO

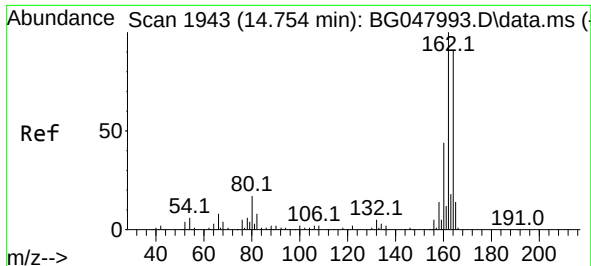
Tgt Ion:	136	Resp:	156477
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	8.9	6.2	9.4
68	5.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 56.51 ng
RT: 9.280 min Scan# 1011
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

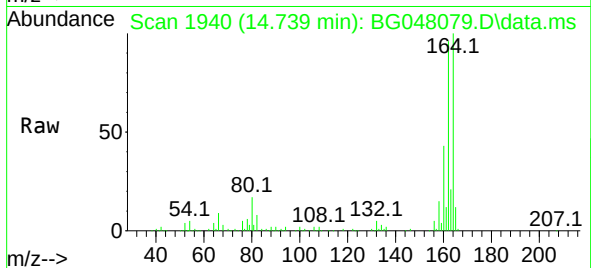
Tgt Ion:	82	Resp:	223497
Ion Ratio	Lower	Upper	
82	100		
128	36.2	37.0	55.6#
54	50.0	39.0	58.4



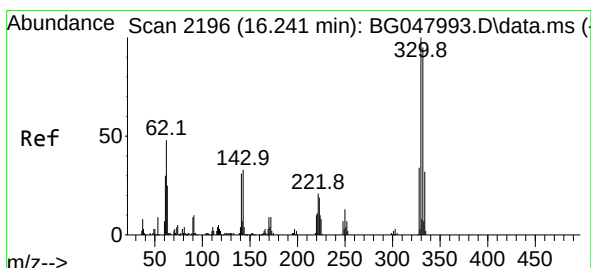
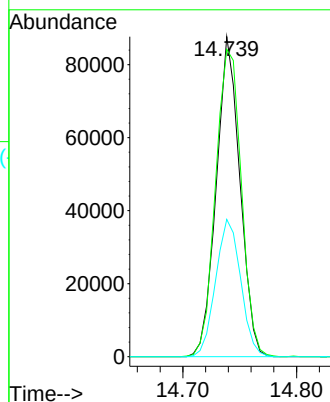
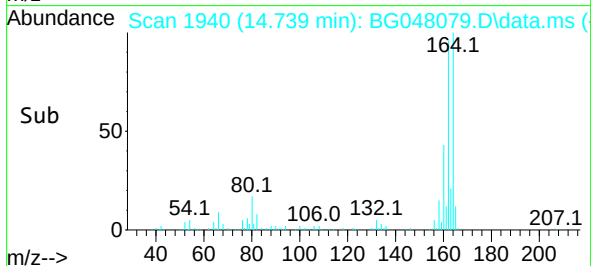


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.739 min Scan# 1940
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

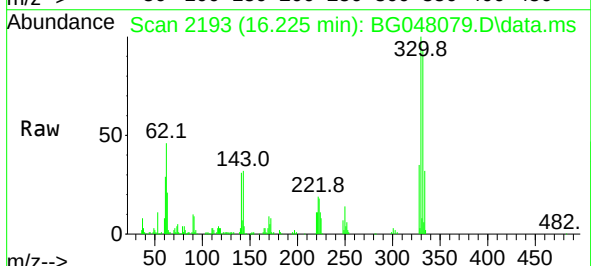
Instrument :
BNA_G
ClientSampleId :
LLEXSITUTV-026-001-SO



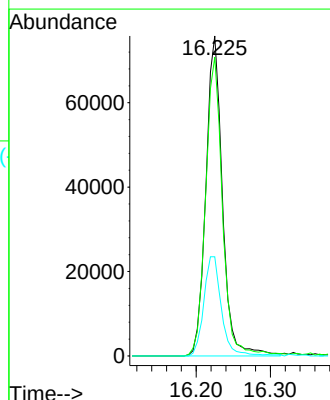
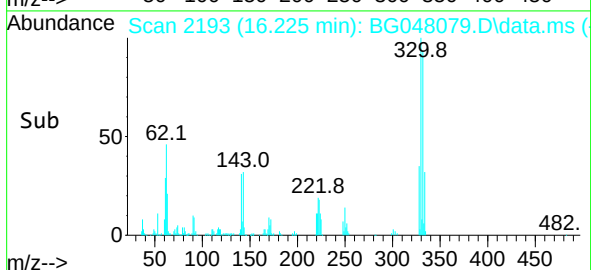
Tgt Ion:164 Resp: 126479
Ion Ratio Lower Upper
164 100
162 96.0 82.3 123.5
160 42.9 35.3 52.9

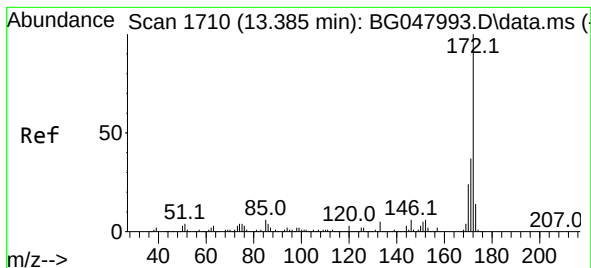


#42
2,4,6-Tribromophenol
Concen: 56.01 ng
RT: 16.225 min Scan# 2193
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31



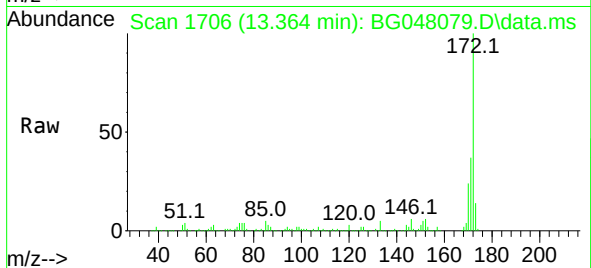
Tgt Ion:330 Resp: 117982
Ion Ratio Lower Upper
330 100
332 95.1 76.5 114.7
141 33.2 26.0 39.0



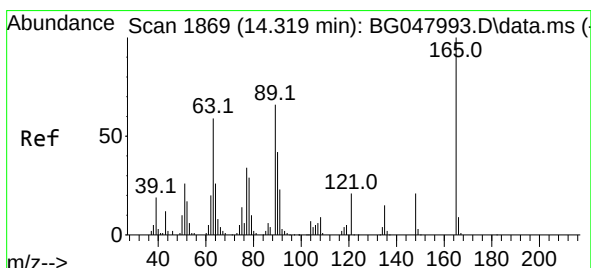
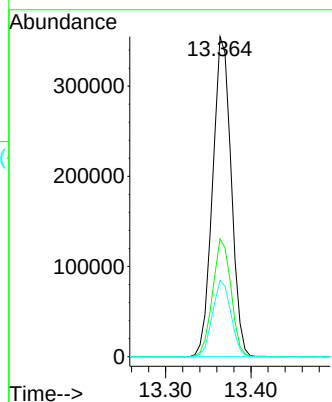
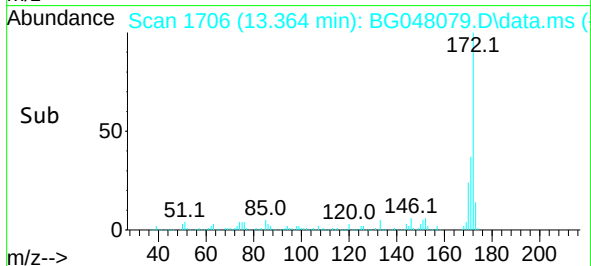


#45
2-Fluorobiphenyl
Concen: 54.80 ng
RT: 13.364 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

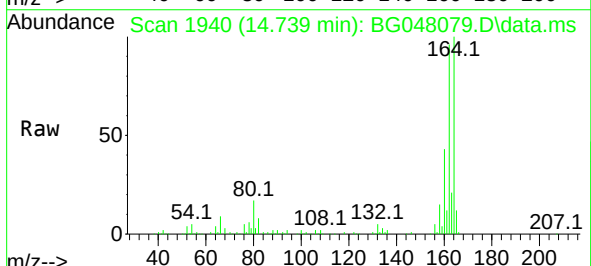
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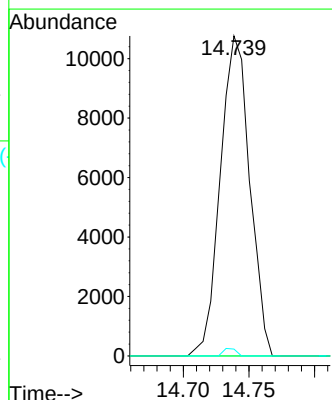
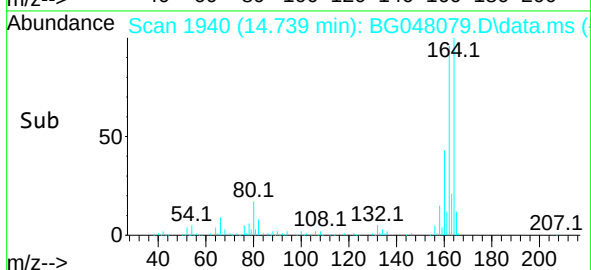
Tgt Ion:172 Resp: 536083
Ion Ratio Lower Upper
172 100
171 36.9 31.3 46.9
170 23.8 20.8 31.2

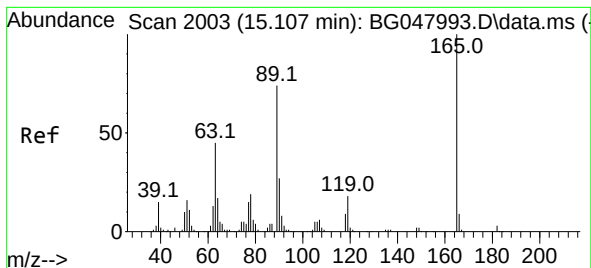


#51
2,6-Dinitrotoluene
Concen: 7.06 ng
RT: 14.739 min Scan# 1940
Delta R.T. 0.432 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31



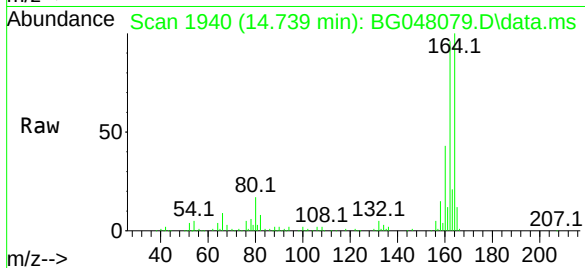
Tgt Ion:165 Resp: 16807
Ion Ratio Lower Upper
165 100
63 0.0 33.7 50.5#
89 2.2 36.6 54.8#



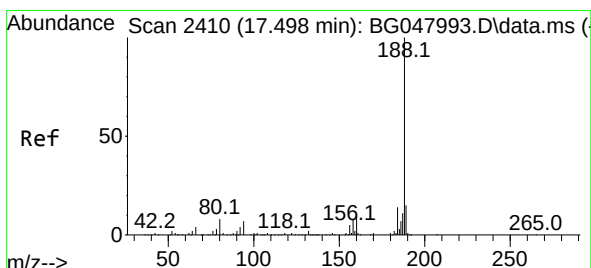
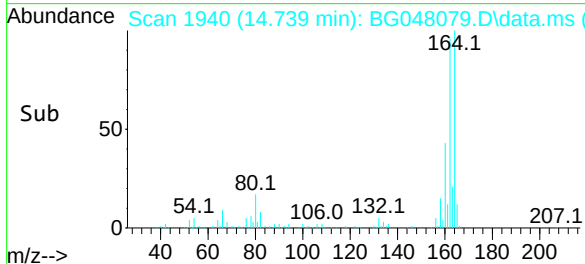
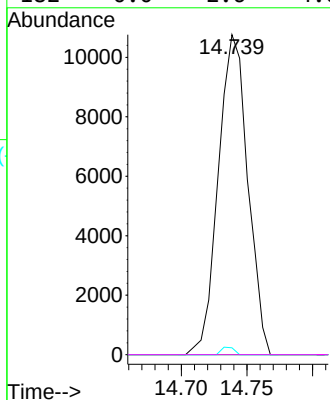


#57
2,4-Dinitrotoluene
Concen: 4.89 ng
RT: 14.739 min Scan# 1940
Delta R.T. -0.355 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

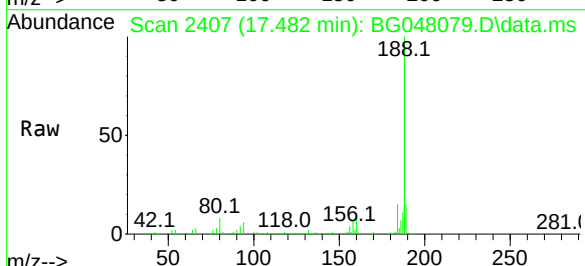
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LLEXSITUTV-026-001-SO



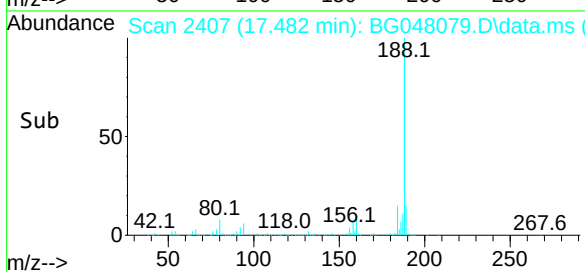
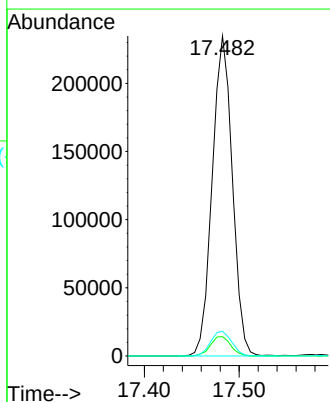
Tgt Ion:165 Resp: 16807
Ion Ratio Lower Upper
165 100
63 0.0 26.4 39.6#
89 2.2 47.8 71.8#
182 0.0 2.6 4.0#

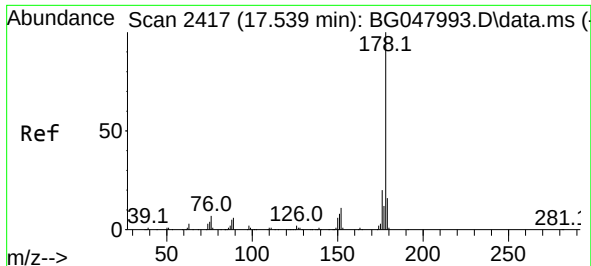


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.482 min Scan# 2407
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31



Tgt Ion:188 Resp: 346693
Ion Ratio Lower Upper
188 100
94 6.1 6.3 9.5#
80 7.7 7.0 10.6

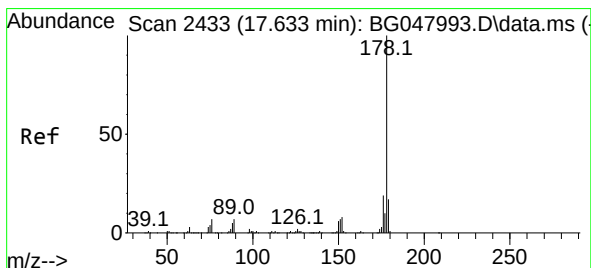
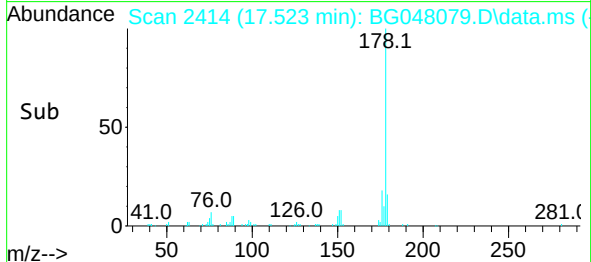
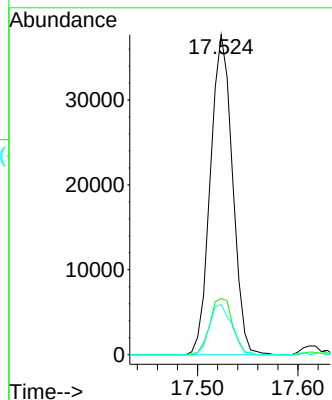
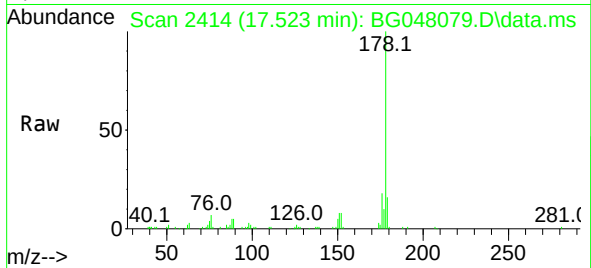




#71
Phenanthrene
Concen: 2.88 ng
RT: 17.523 min Scan# 2414
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

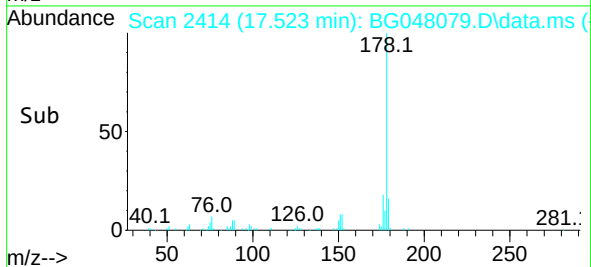
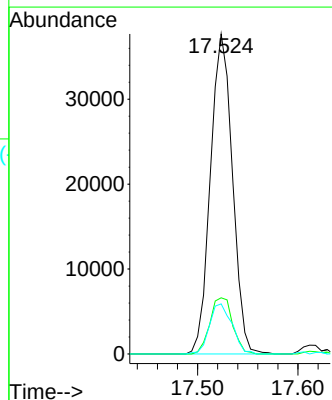
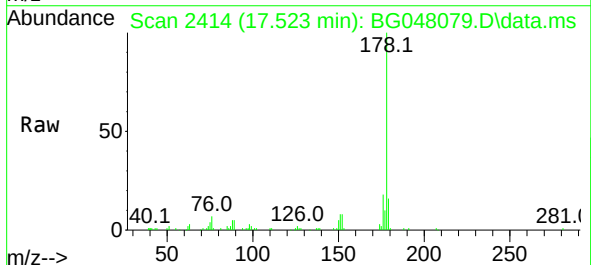
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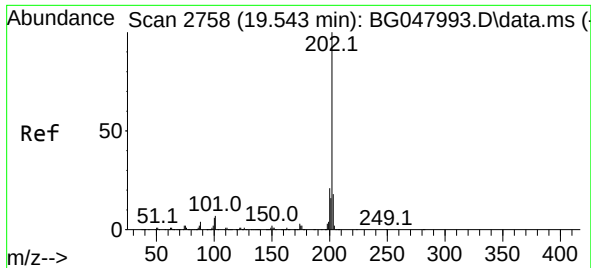
Tgt Ion:178 Resp: 57555
Ion Ratio Lower Upper
178 100
176 17.6 16.7 25.1
179 15.6 14.0 21.0



#72
Anthracene
Concen: 2.93 ng
RT: 17.523 min Scan# 2414
Delta R.T. -0.097 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

Tgt Ion:178 Resp: 57555
Ion Ratio Lower Upper
178 100
176 17.6 16.4 24.6
179 15.6 13.8 20.6

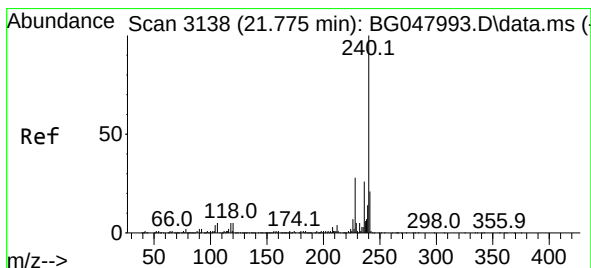
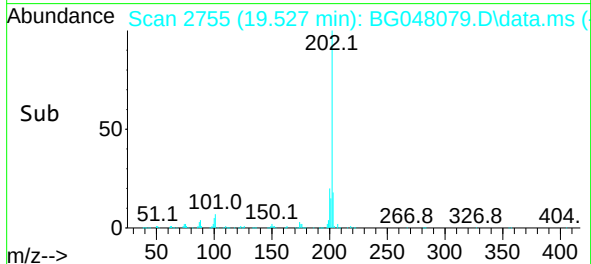
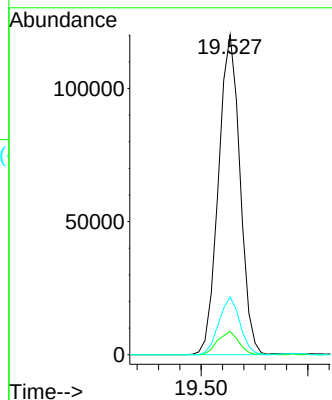
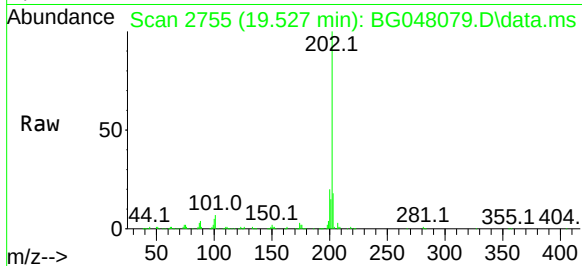




#75
Fluoranthene
Concen: 6.43 ng
RT: 19.527 min Scan# 2755
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

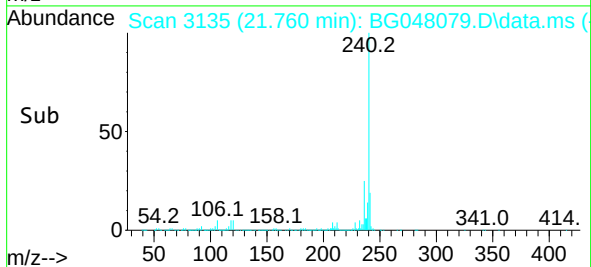
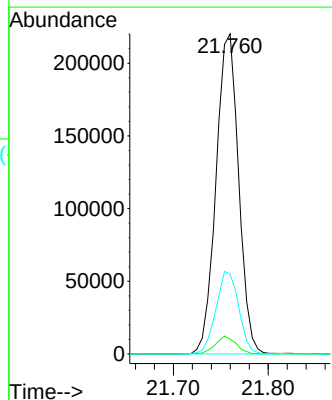
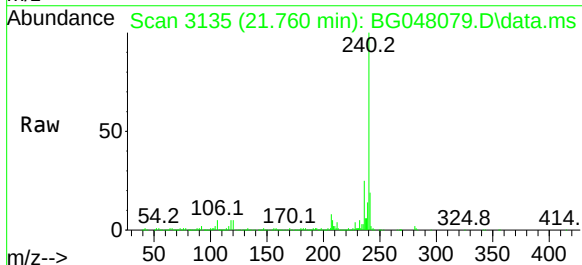
Instrument :
BNA_G
ClientSampleId :
LLEXSITUTV-026-001-SO

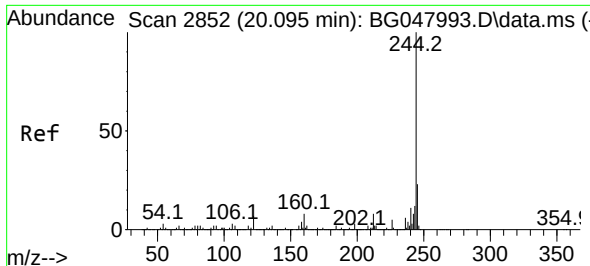
Tgt Ion:202 Resp: 168575
Ion Ratio Lower Upper
202 100
101 7.2 0.0 29.7
203 18.1 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.760 min Scan# 3135
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

Tgt Ion:240 Resp: 364869
Ion Ratio Lower Upper
240 100
120 4.6 6.2 9.4#
236 24.9 20.5 30.7

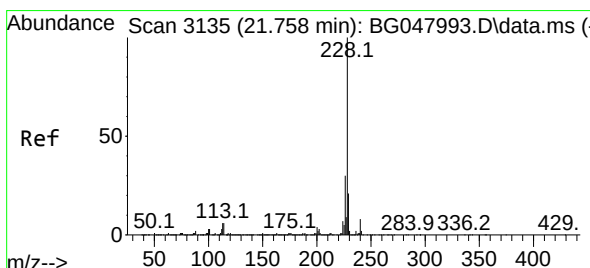
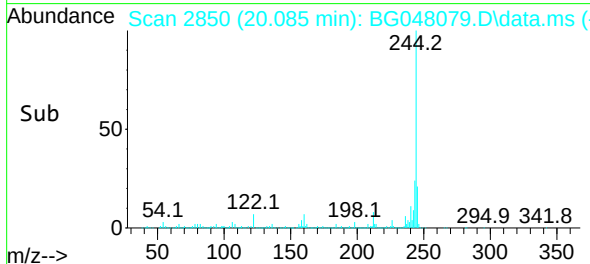
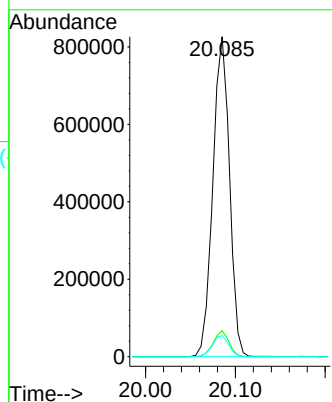
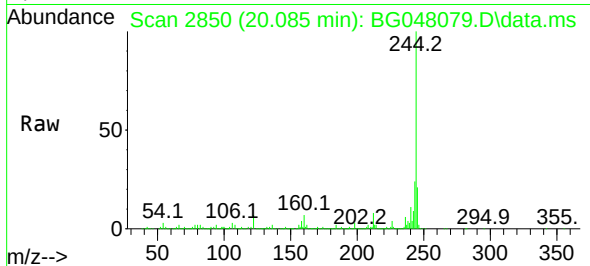




#79
 Terphenyl-d14
 Concen: 50.54 ng
 RT: 20.085 min Scan# 2850
 Delta R.T. -0.003 min
 Lab File: BG048079.D
 Acq: 2 Feb 2021 16:31

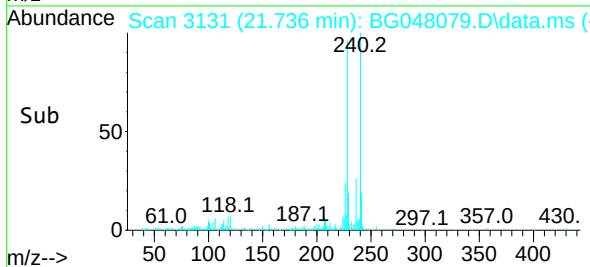
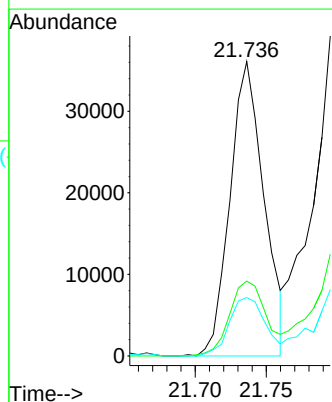
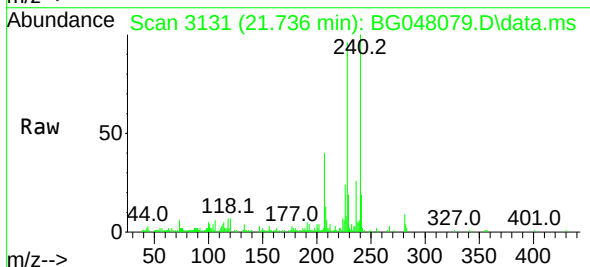
Instrument :
 BNA_G
 ClientSampleId :
 LLEXSITUTV-026-001-SO

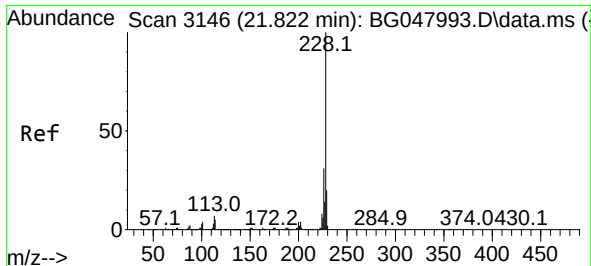
Tgt Ion:244 Resp: 1063620
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.7 10.1
 122 6.5 7.8 11.6#



#81
 Benzo(a)anthracene
 Concen: 2.26 ng
 RT: 21.736 min Scan# 3131
 Delta R.T. -0.003 min
 Lab File: BG048079.D
 Acq: 2 Feb 2021 16:31

Tgt Ion:228 Resp: 59944
 Ion Ratio Lower Upper
 228 100
 226 25.5 23.3 34.9
 229 19.8 17.4 26.0

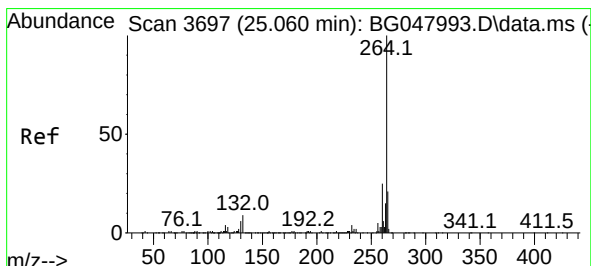
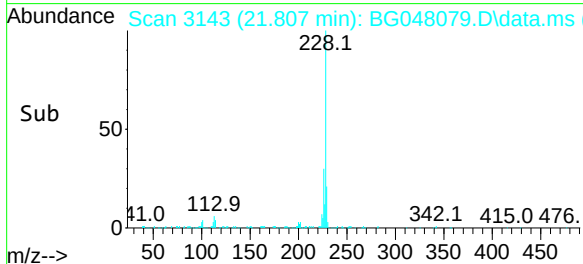
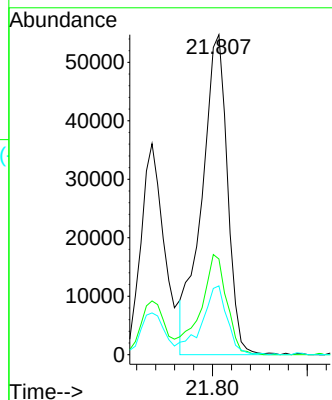
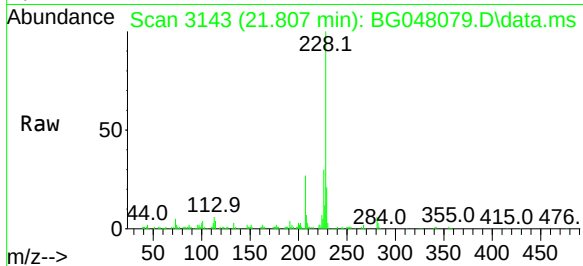




#83
Chrysene
Concen: 4.10 ng
RT: 21.807 min Scan# 3143
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

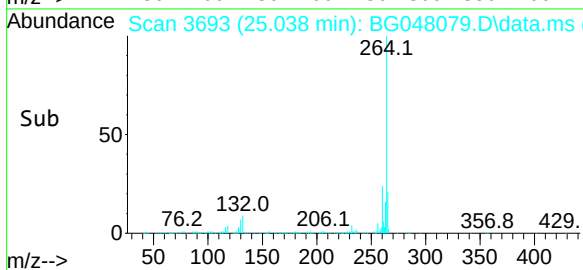
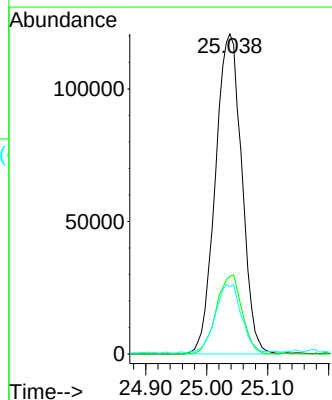
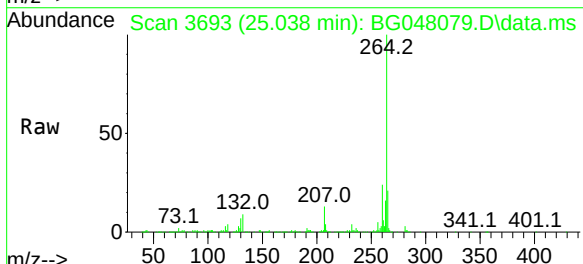
Instrument :
BNA_G
ClientSampleId :
LLEXSITUTV-026-001-SO

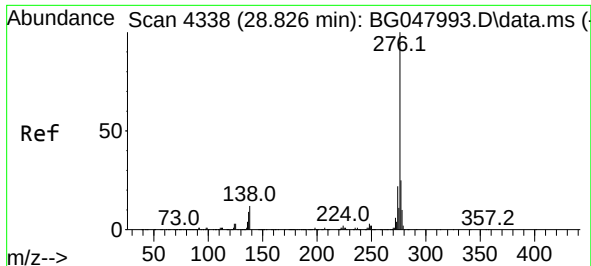
Tgt Ion:228 Resp: 103242
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.4
229 21.5 17.3 25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.038 min Scan# 3693
Delta R.T. -0.003 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

Tgt Ion:264 Resp: 362871
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 21.0 17.8 26.8

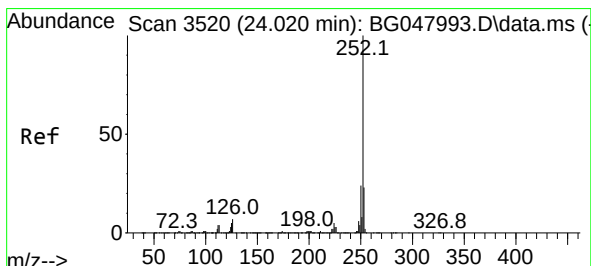
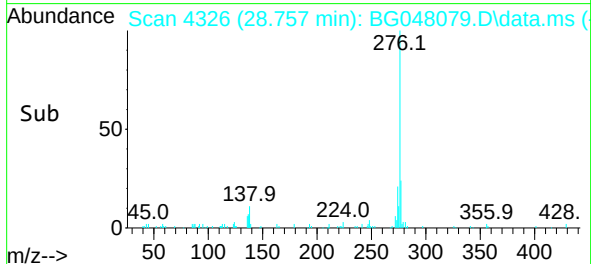
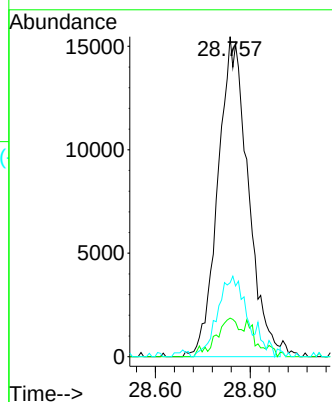
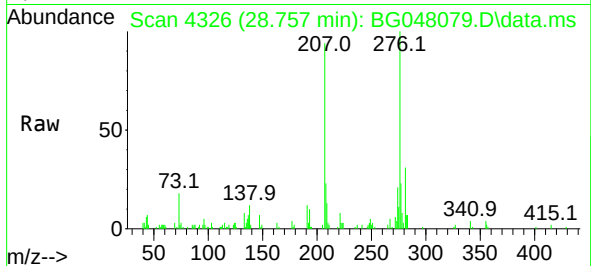




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.33 ng
RT: 28.757 min Scan# 4326
Delta R.T. -0.038 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

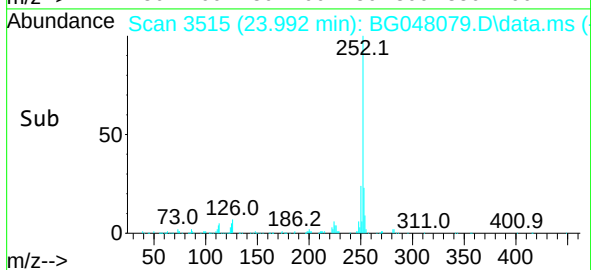
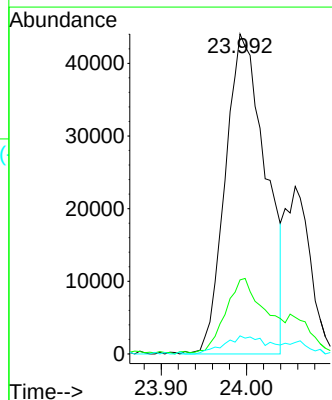
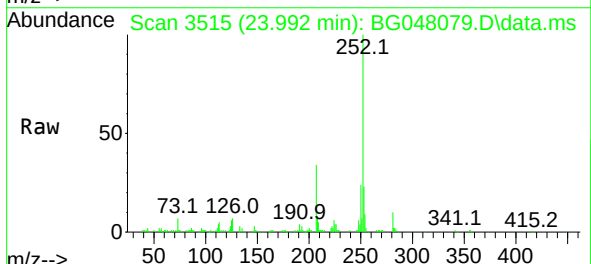
Instrument :
BNA_G
ClientSampleId :
LLEXSITUTV-026-001-SO

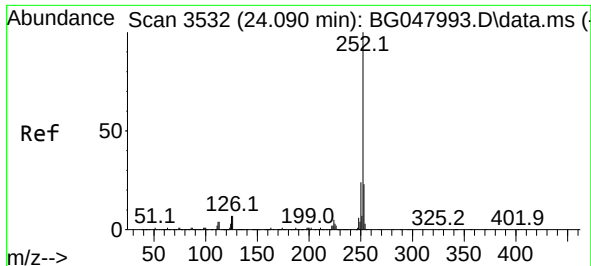
Tgt Ion:276 Resp: 68134
Ion Ratio Lower Upper
276 100
138 7.9 16.2 24.2#
277 23.0 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 5.60 ng
RT: 23.992 min Scan# 3515
Delta R.T. -0.009 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

Tgt Ion:252 Resp: 144431
Ion Ratio Lower Upper
252 100
253 23.1 18.7 28.1
125 5.7 6.5 9.7#

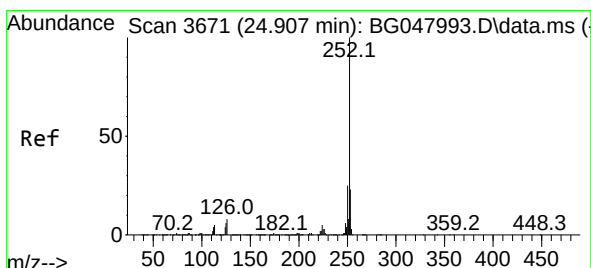
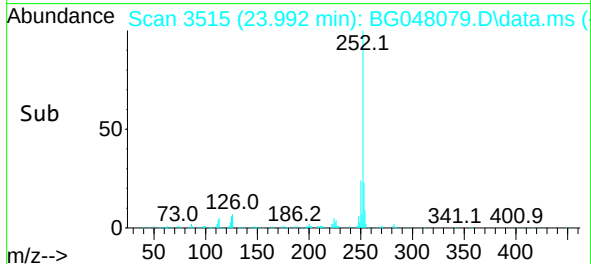
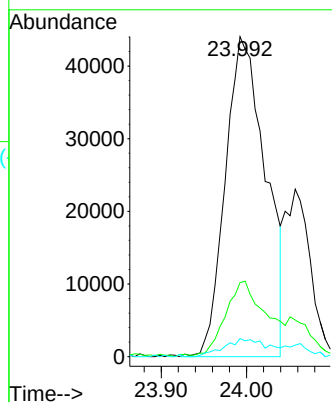
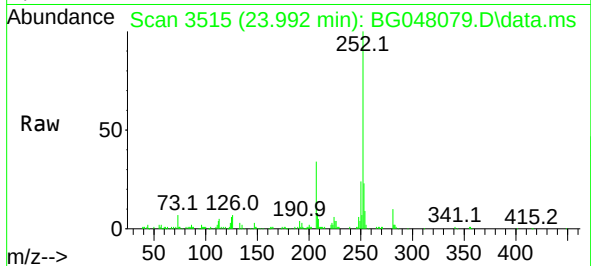




#89
Benzo(k)fluoranthene
Concen: 5.76 ng
RT: 23.992 min Scan# 3515
Delta R.T. -0.079 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

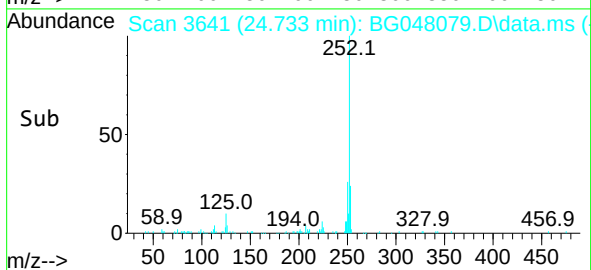
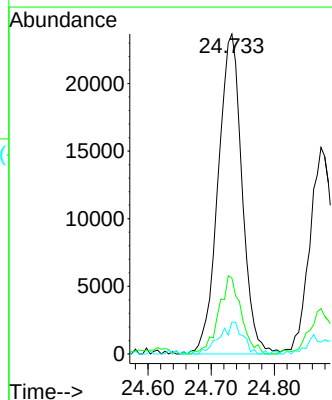
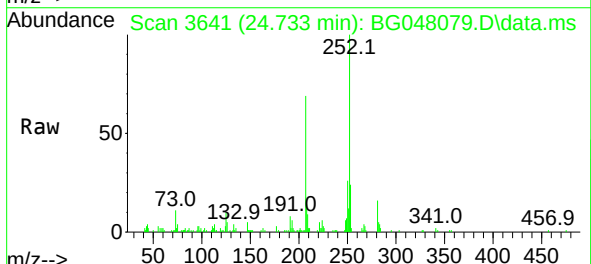
Instrument :
BNA_G
ClientSampleId :
LLEXSITUTV-026-001-SO

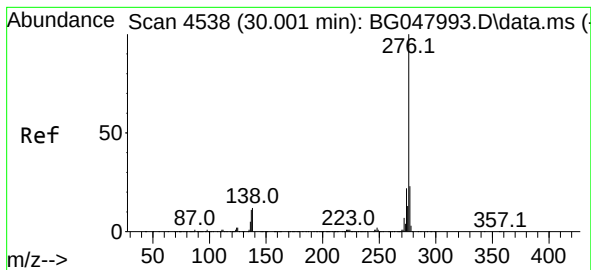
Tgt Ion:252 Resp: 144431
Ion Ratio Lower Upper
252 100
253 23.1 18.6 27.8
125 5.7 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 2.57 ng
RT: 24.733 min Scan# 3641
Delta R.T. -0.155 min
Lab File: BG048079.D
Acq: 2 Feb 2021 16:31

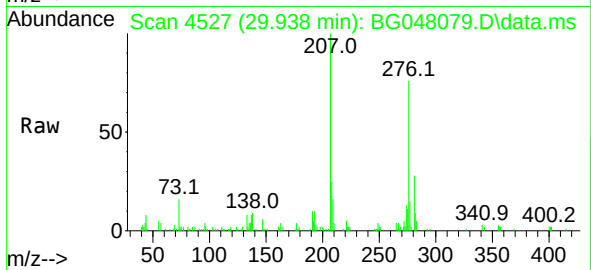
Tgt Ion:252 Resp: 62264
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 10.0 7.0 10.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.45 ng
 RT: 29.938 min Scan# 4527
 Delta R.T. -0.026 min
 Lab File: BG048079.D
 Acq: 2 Feb 2021 16:31

Instrument :
 BNA_G
 ClientSampleId :
 LLEXSITUTV-026-001-SO



Tgt Ion:276 Resp: 56920
 Ion Ratio Lower Upper
 276 100
 277 19.7 19.6 29.4
 138 11.1 13.4 20.2#

