

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081221\
 Data File : BG049825.D
 Acq On : 12 Aug 2021 19:57
 Operator : CG/JU
 Sample : M3331-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BSY1-SB-121314-0-3

Quant Time: Aug 13 02:15:04 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 03 15:15:33 2021
 Response via : Initial Calibration

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

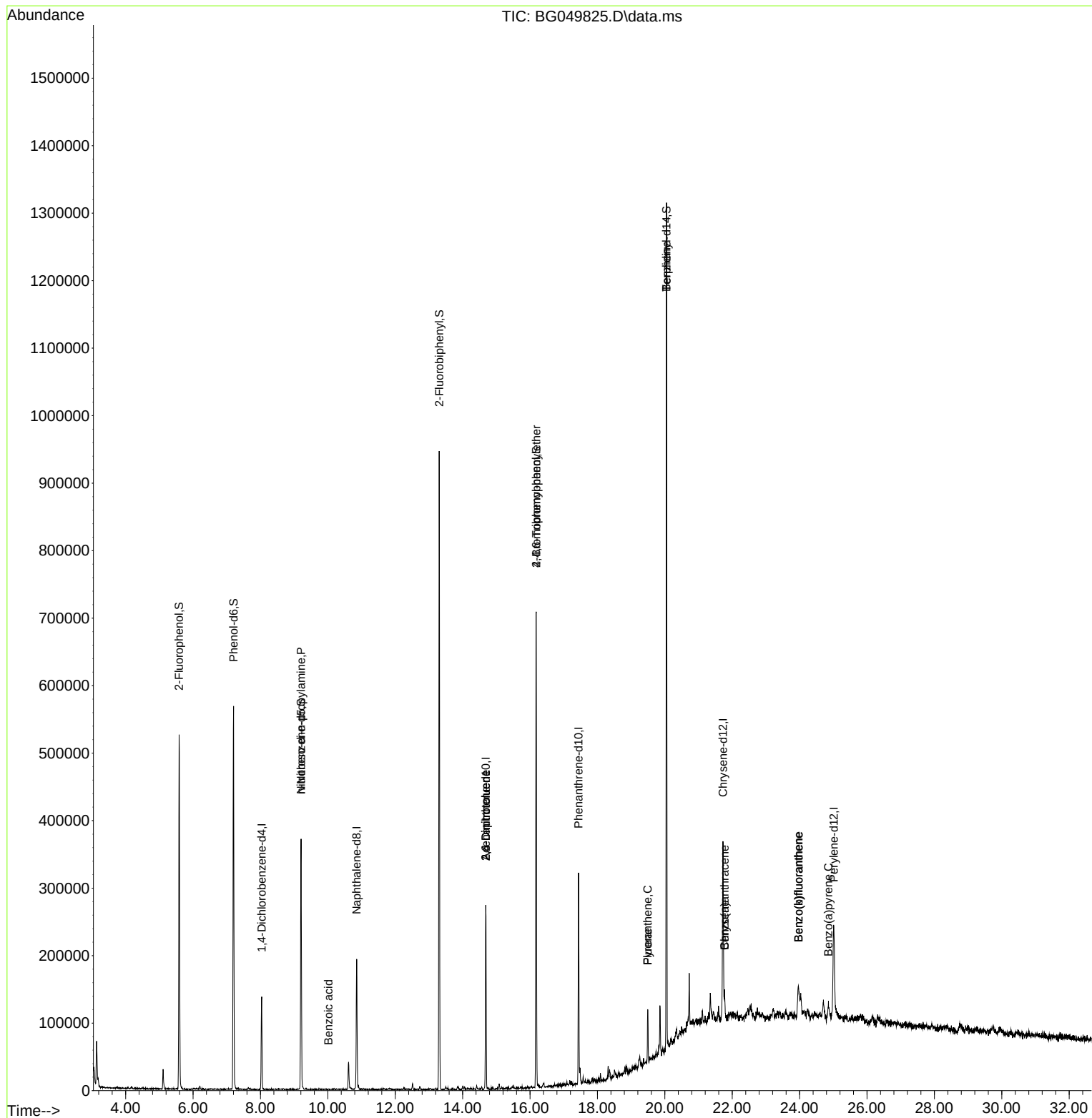
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.037	152	37217	20.00	ng	0.00
21) Naphthalene-d8	10.857	136	155864	20.00	ng	# 0.00
39) Acenaphthene-d10	14.687	164	101454	20.00	ng	0.00
64) Phenanthrene-d10	17.442	188	189119	20.00	ng	# 0.00
76) Chrysene-d12	21.725	240	155966	20.00	ng	0.00
86) Perylene-d12	25.014	264	157357	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.588	112	217729	104.87	ng	0.00
7) Phenol-d6	7.203	99	306361	97.48	ng	0.00
23) Nitrobenzene-d5	9.206	82	226701	64.36	ng	0.00
42) 2,4,6-Tribromophenol	16.185	330	142293	95.42	ng	0.00
45) 2-Fluorobiphenyl	13.307	172	472136	67.71	ng	0.00
79) Terphenyl-d14	20.050	244	566729	65.99	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.206	70	34783	16.54	ng	# 70
32) Benzoic acid	10.017	122	62	4.98	ng	# 1
51) 2,6-Dinitrotoluene	14.687	165	13958	8.28	ng	# 13
57) 2,4-Dinitrotoluene	14.687	165	13958	5.90	ng	# 18
67) 4-Bromophenyl-phenylether	16.185	248	8176	3.67	ng	# 1
75) Fluoranthene	19.492	202	50678	4.14	ng	98
77) Benzidine	20.050	184	12073	3.02	ng	# 93
78) Pyrene	19.492	202	50678	4.77	ng	97
81) Benzo(a)anthracene	21.778	228	35533	3.50	ng	96
83) Chrysene	21.778	228	35533	3.66	ng	96
88) Benzo(b)fluoranthene	23.969	252	64280	6.23	ng	# 96
89) Benzo(k)fluoranthene	23.969	252	64280	6.68	ng	99
90) Benzo(a)pyrene	24.856	252	27549	2.95	ng	# 93

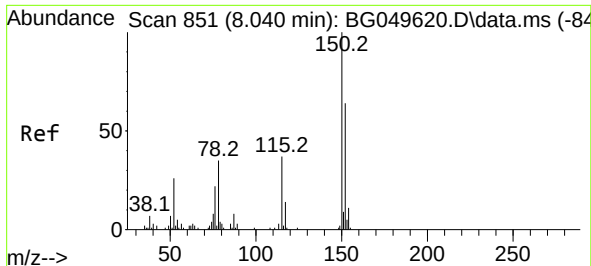
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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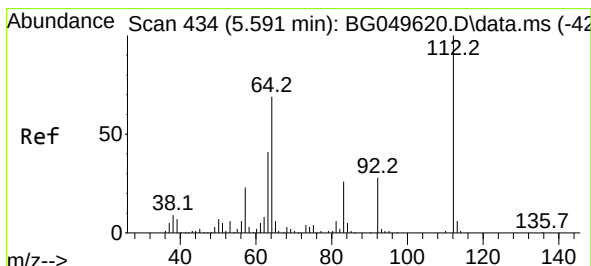
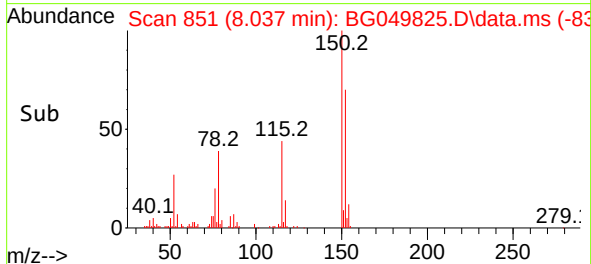
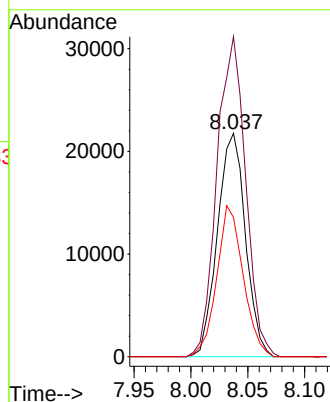
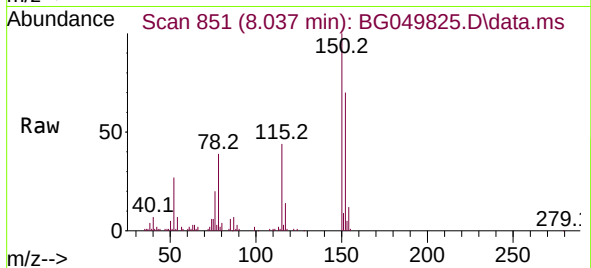




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.037 min Scan# 851
Delta R.T. -0.003 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

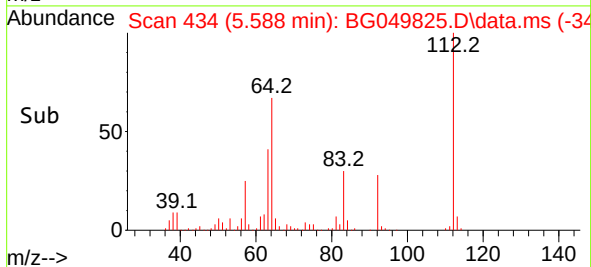
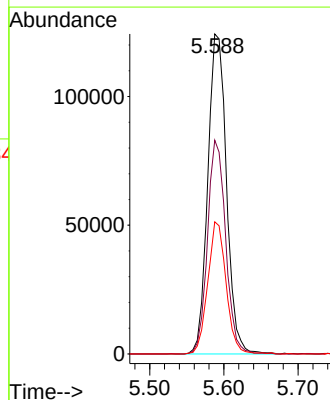
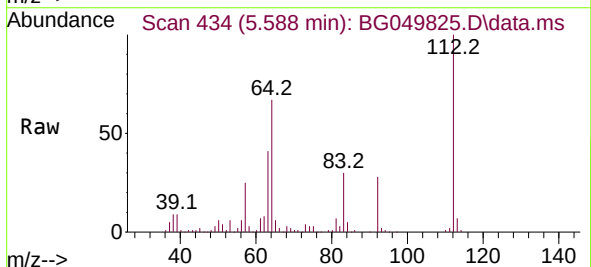
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

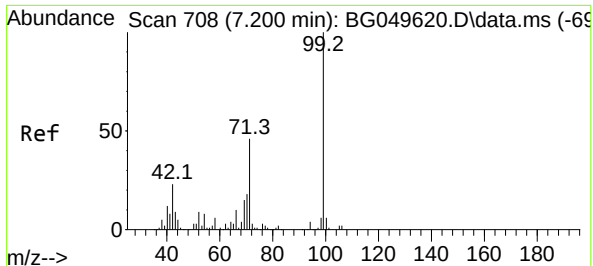
Tgt Ion:152 Resp: 37217
Ion Ratio Lower Upper
152 100
150 143.3 119.4 179.0
115 62.4 60.2 90.4



#5
2-Fluorophenol
Concen: 104.87 ng
RT: 5.588 min Scan# 434
Delta R.T. -0.003 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:112 Resp: 217729
Ion Ratio Lower Upper
112 100
64 66.8 46.7 70.1
63 41.3 35.3 52.9

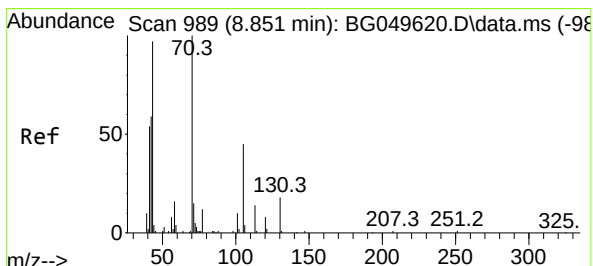
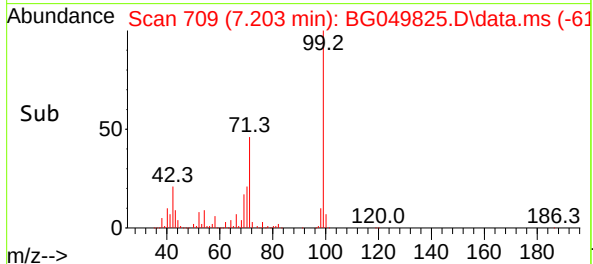
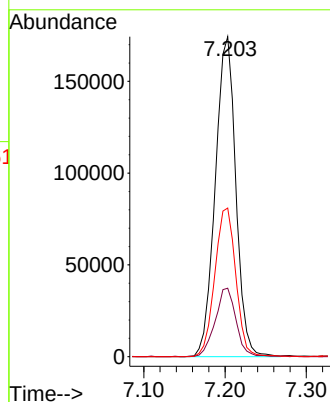
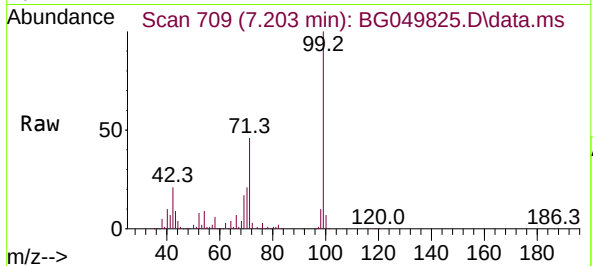




#7
Phenol-d6
Concen: 97.48 ng
RT: 7.203 min Scan# 709
Delta R.T. 0.003 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

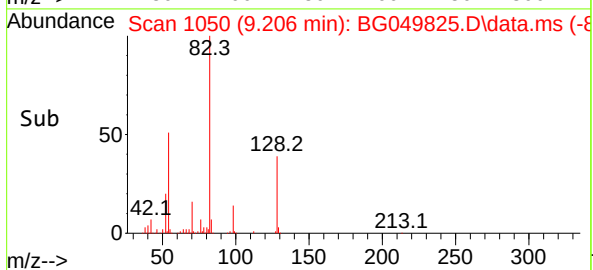
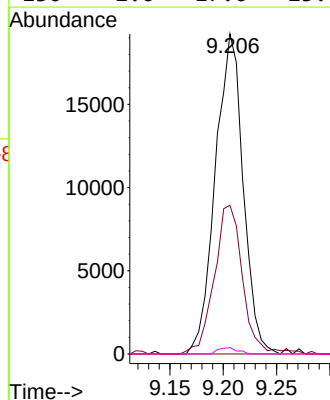
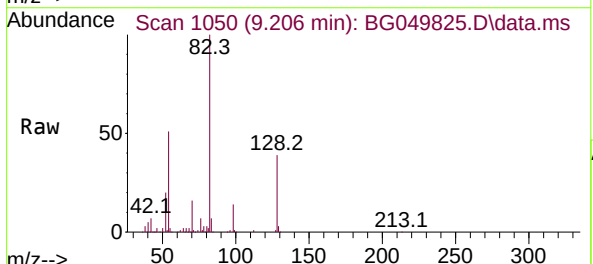
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

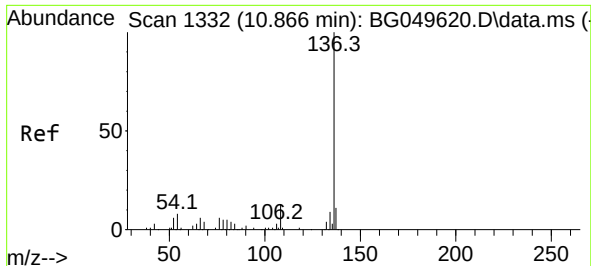
Tgt Ion: 99 Resp: 306361
Ion Ratio Lower Upper
99 100
42 21.4 20.5 30.7
71 46.5 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.54 ng
RT: 9.206 min Scan# 1050
Delta R.T. 0.355 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion: 70 Resp: 34783
Ion Ratio Lower Upper
70 100
42 46.5 54.5 81.7#
101 0.0 9.0 13.6#
130 2.0 17.0 25.6#

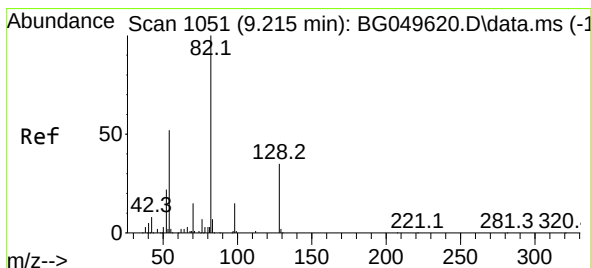
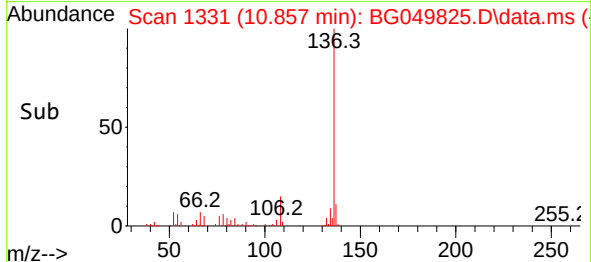
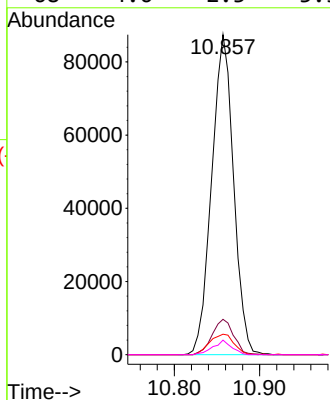
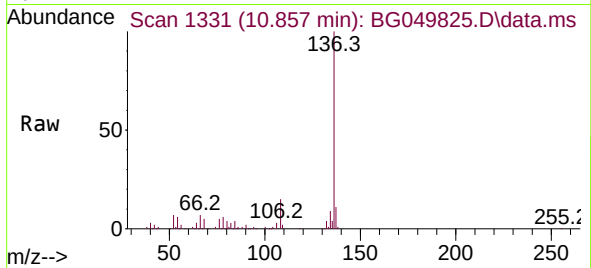




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.857 min Scan# 1331
Delta R.T. -0.009 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

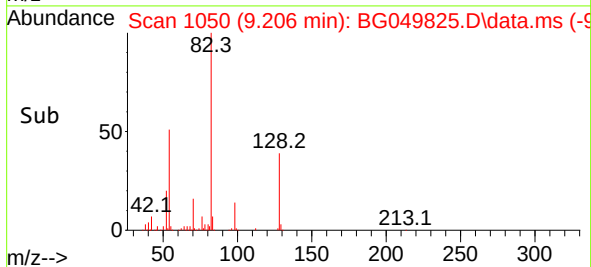
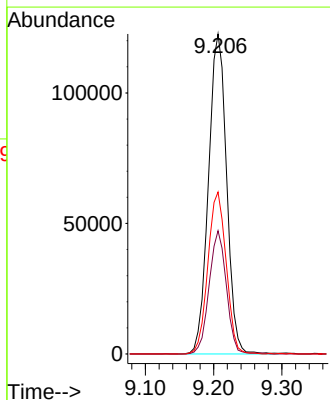
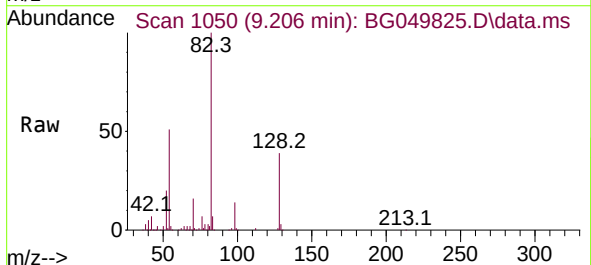
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

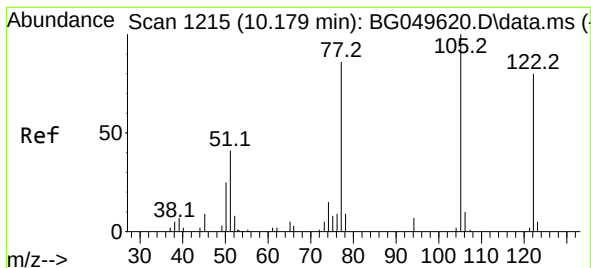
Tgt Ion:	136	Resp:	155864
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.2
54	6.4	5.5	8.3
68	4.6	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 64.36 ng
RT: 9.206 min Scan# 1050
Delta R.T. -0.009 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:	82	Resp:	226701
Ion	Ratio	Lower	Upper
82	100		
128	38.5	29.8	44.6
54	50.6	45.8	68.8

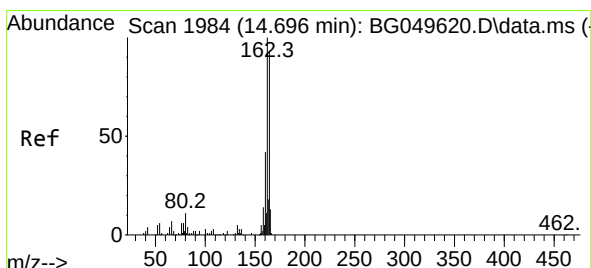
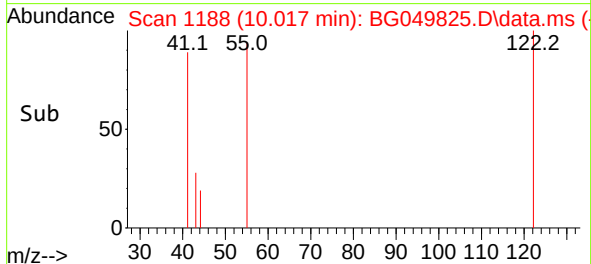
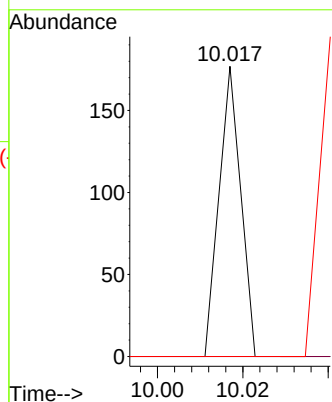
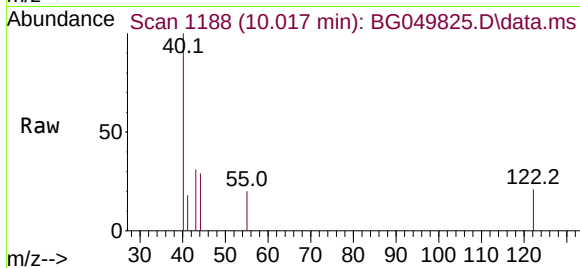




#32
Benzoic acid
Concen: 4.98 ng
RT: 10.017 min Scan# 1188
Delta R.T. -0.162 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

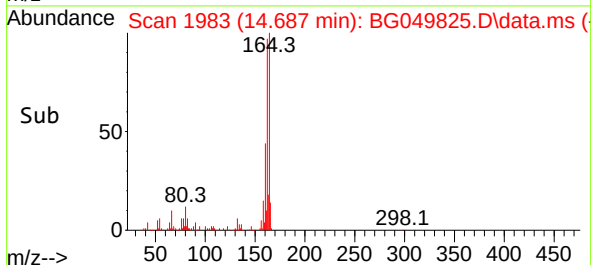
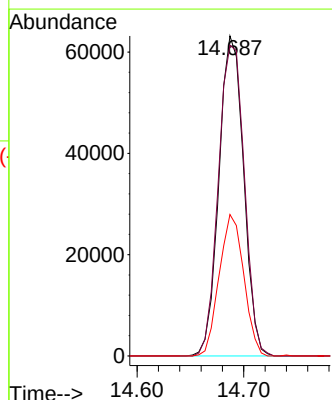
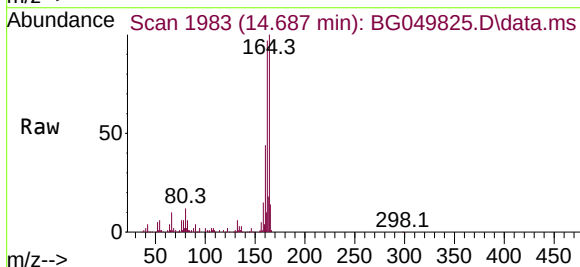
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

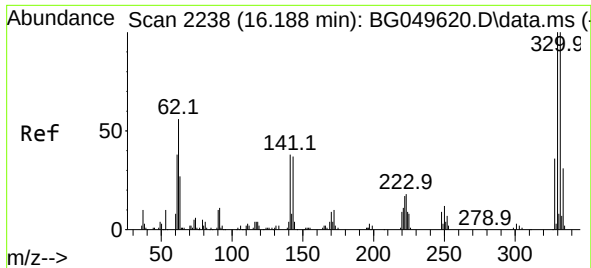
Tgt Ion:	122	Resp:	62
Ion	Ratio	Lower	Upper
122	100		
105	0.0	92.3	132.3#
77	0.0	66.5	106.5#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.687 min Scan# 1983
Delta R.T. -0.009 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:	164	Resp:	101454
Ion	Ratio	Lower	Upper
164	100		
162	97.1	81.4	122.0
160	44.2	34.9	52.3

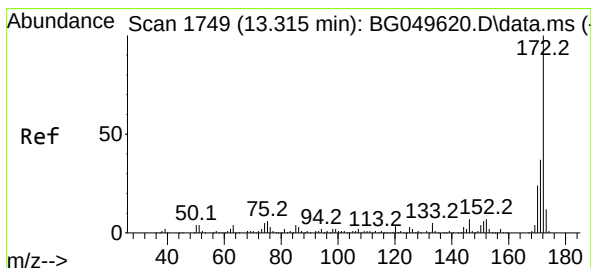
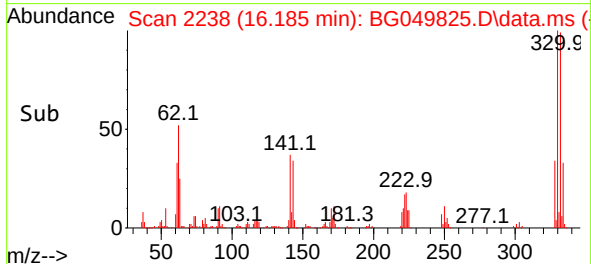
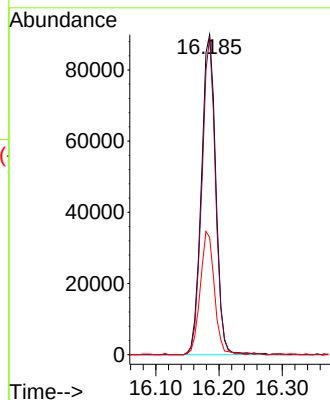
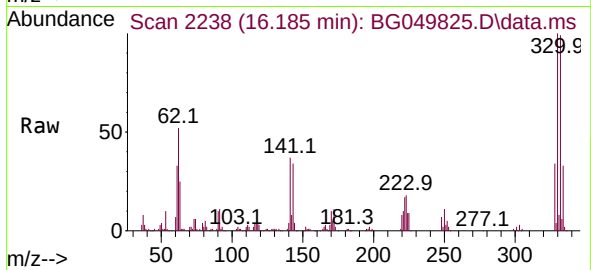




#42
2,4,6-Tribromophenol
Concen: 95.42 ng
RT: 16.185 min Scan# 2238
Delta R.T. -0.003 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

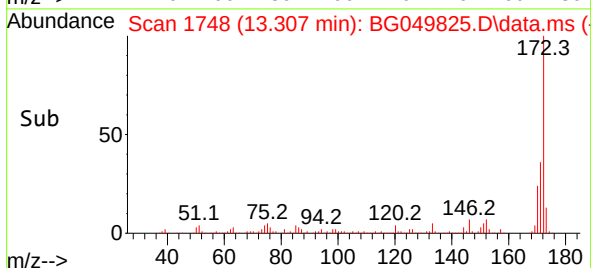
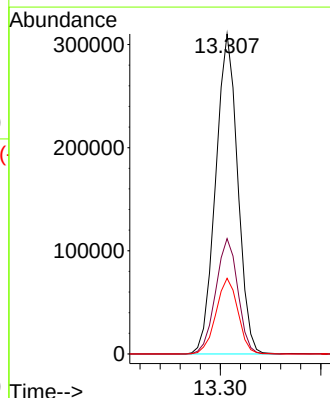
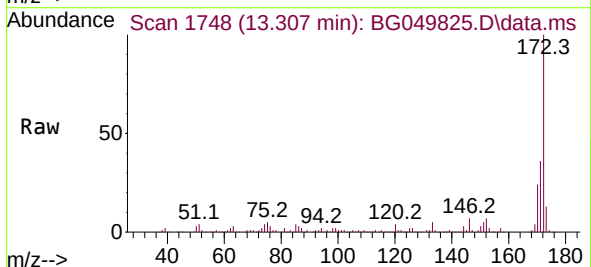
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

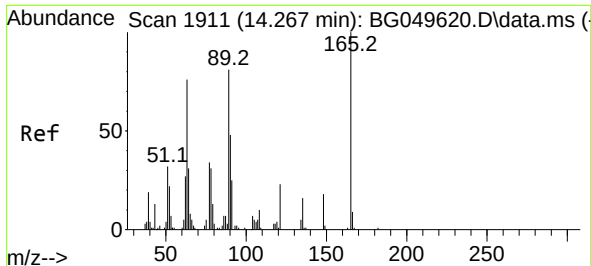
Tgt Ion:330 Resp: 142293
Ion Ratio Lower Upper
330 100
332 94.6 77.3 115.9
141 37.7 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 67.71 ng
RT: 13.307 min Scan# 1748
Delta R.T. -0.009 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:172 Resp: 472136
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.7 18.6 27.8

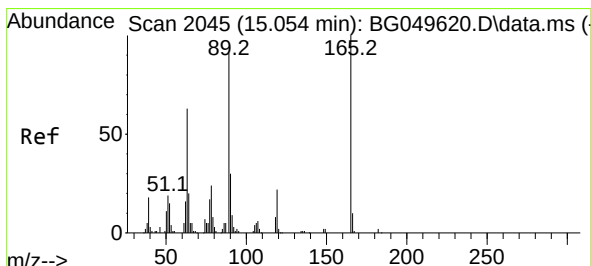
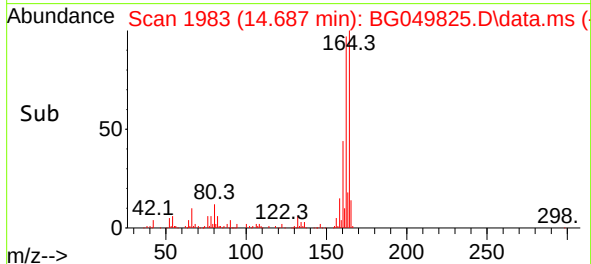
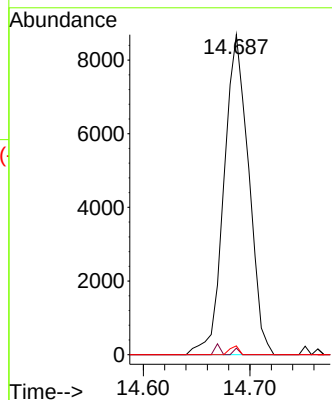
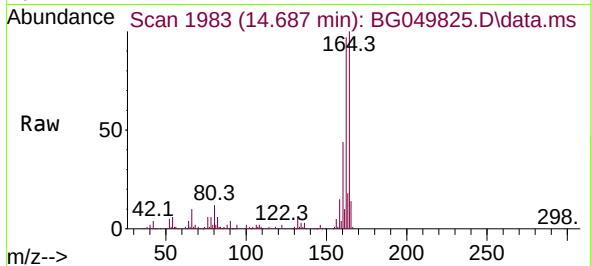




#51
2,6-Dinitrotoluene
Concen: 8.28 ng
RT: 14.687 min Scan# 1983
Delta R.T. 0.420 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

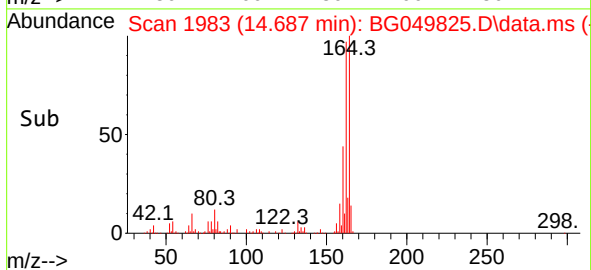
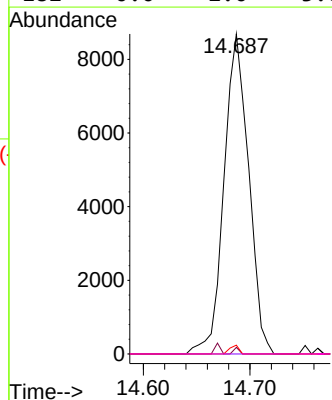
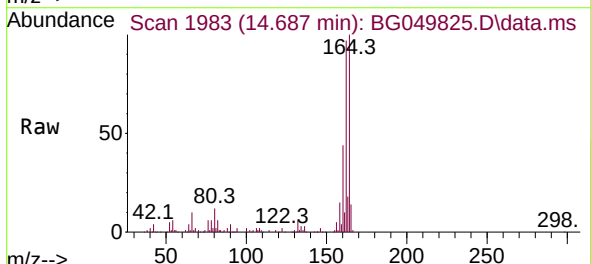
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BSY1-SB-121314-0-3

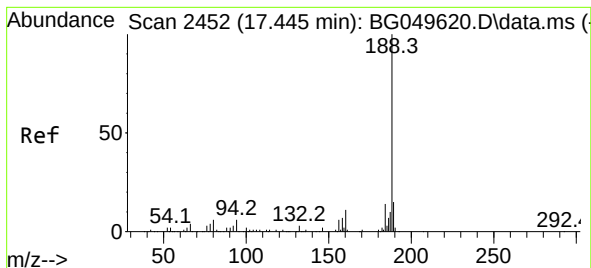
Tgt Ion:165 Resp: 13958
Ion Ratio Lower Upper
165 100
63 2.1 63.3 94.9#
89 2.8 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.90 ng
RT: 14.687 min Scan# 1983
Delta R.T. -0.367 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:165 Resp: 13958
Ion Ratio Lower Upper
165 100
63 2.1 48.0 72.0#
89 2.8 65.4 98.0#
182 0.0 2.0 3.0#

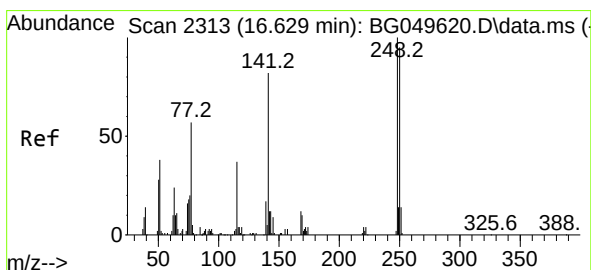
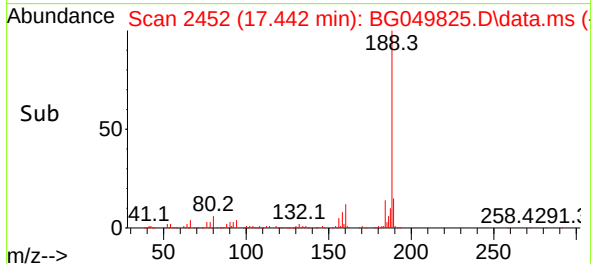
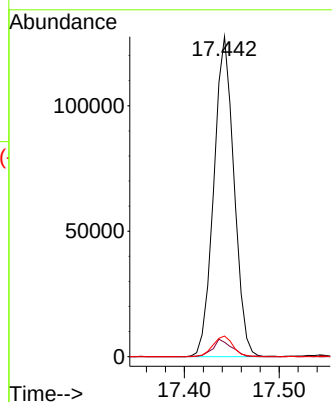
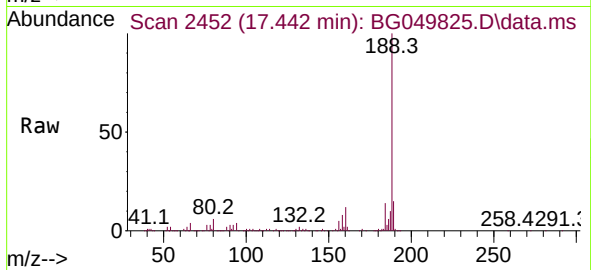




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.442 min Scan# 2452
Delta R.T. -0.003 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

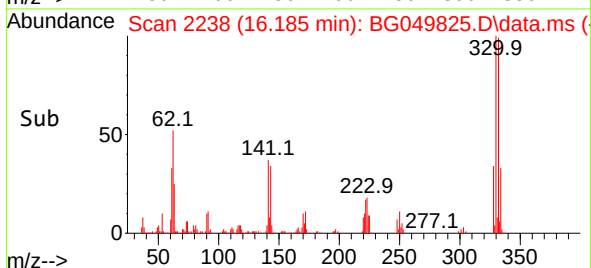
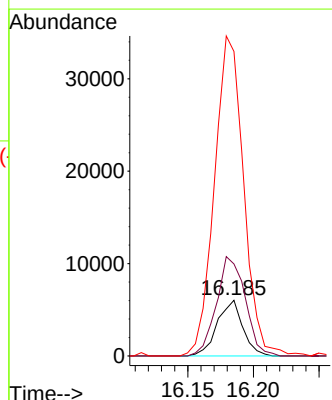
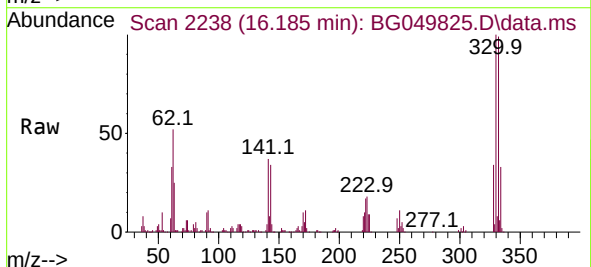
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

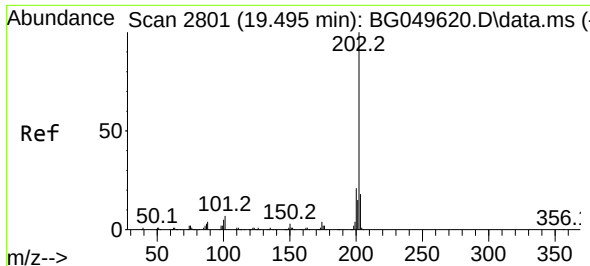
Tgt Ion:188 Resp: 189119
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0#
80 6.5 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.67 ng
RT: 16.185 min Scan# 2238
Delta R.T. -0.444 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:248 Resp: 8176
Ion Ratio Lower Upper
248 100
250 165.4 76.1 114.1#
141 547.4 65.4 98.2#

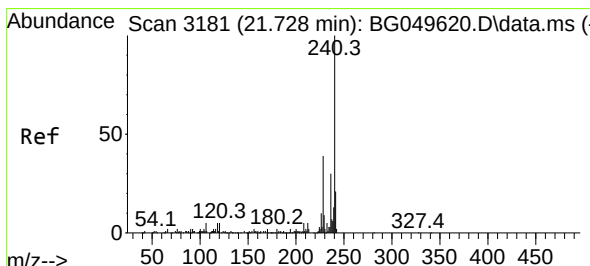
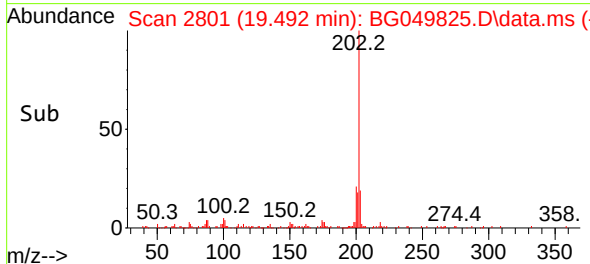
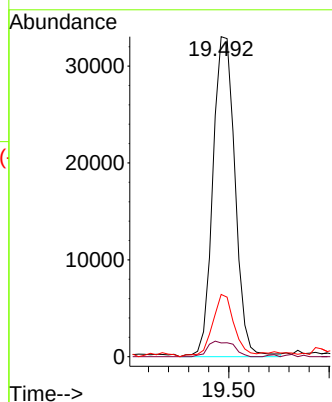
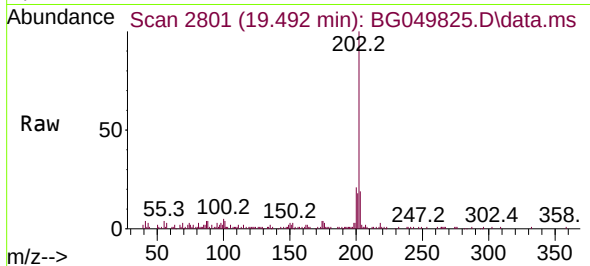




#75
Fluoranthene
Concen: 4.14 ng
RT: 19.492 min Scan# 2801
Delta R.T. -0.003 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

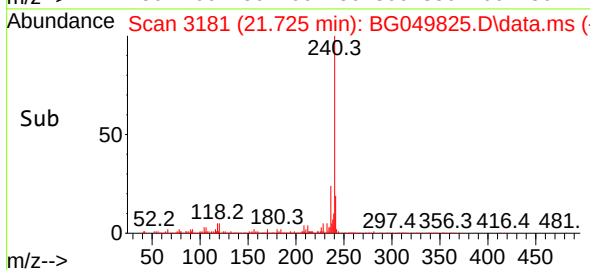
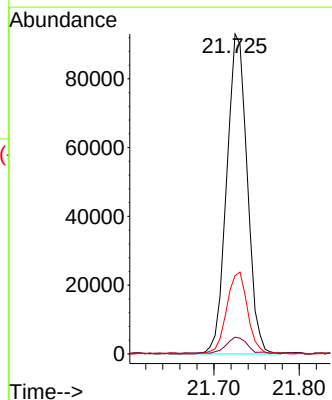
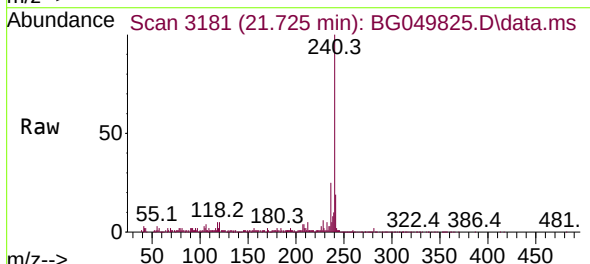
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

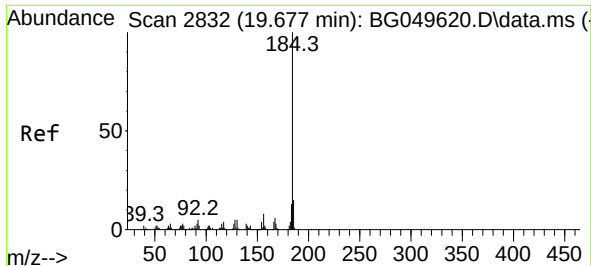
Tgt Ion:	202	Resp:	50678
Ion Ratio	Lower	Upper	
202	100		
101	4.3	0.0	24.7
203	19.5	0.0	38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.725 min Scan# 3181
Delta R.T. -0.003 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:	240	Resp:	155966
Ion Ratio	Lower	Upper	
240	100		
120	5.2	4.2	6.2
236	24.5	21.8	32.6

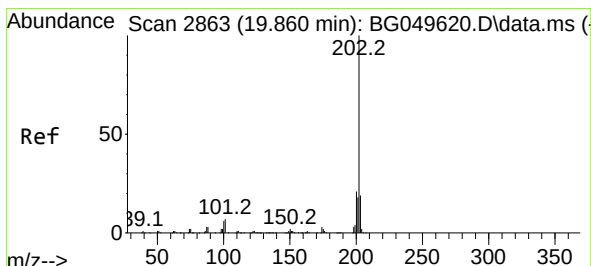
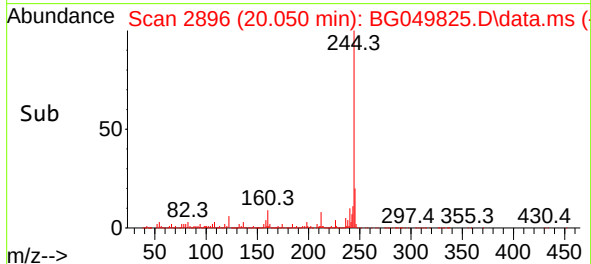
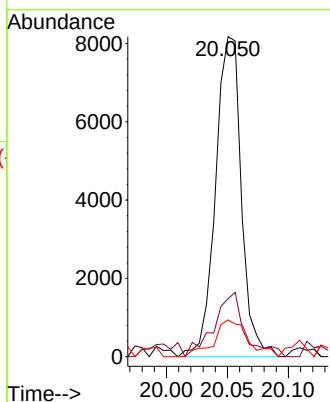
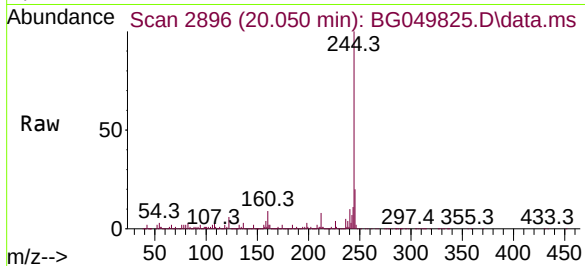




#77
Benzidine
Concen: 3.02 ng
RT: 20.050 min Scan# 2896
Delta R.T. 0.373 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

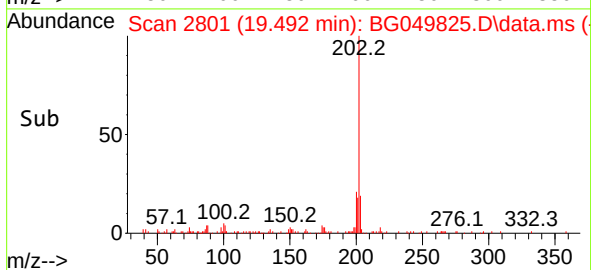
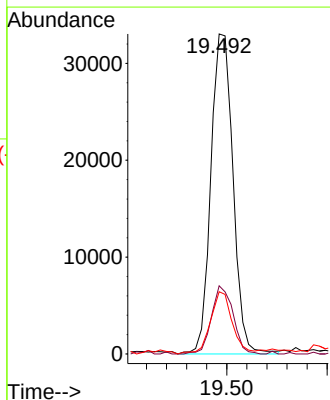
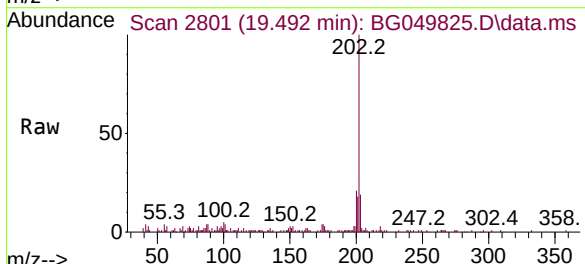
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

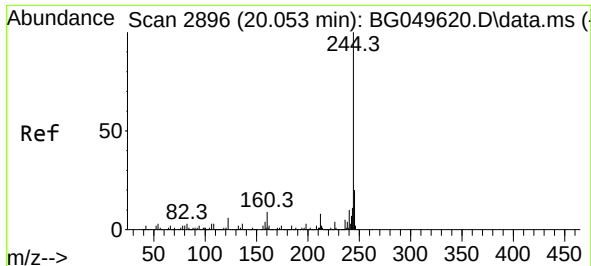
Tgt Ion:184 Resp: 12073
Ion Ratio Lower Upper
184 100
185 18.2 10.7 16.1#
183 11.5 9.4 14.0



#78
Pyrene
Concen: 4.77 ng
RT: 19.492 min Scan# 2801
Delta R.T. -0.367 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:202 Resp: 50678
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 19.5 14.6 21.8

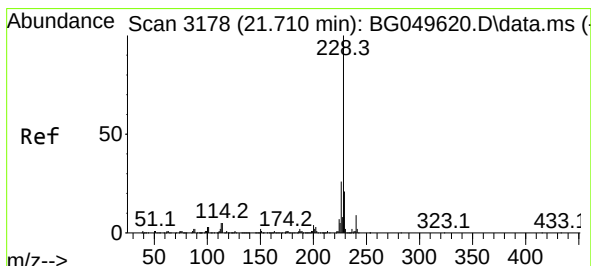
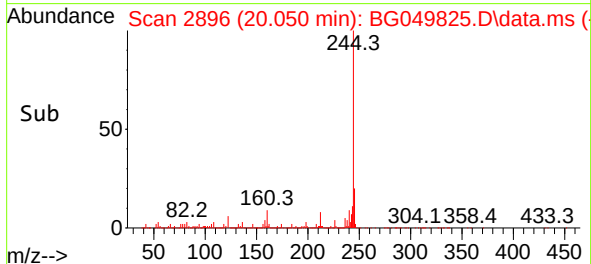
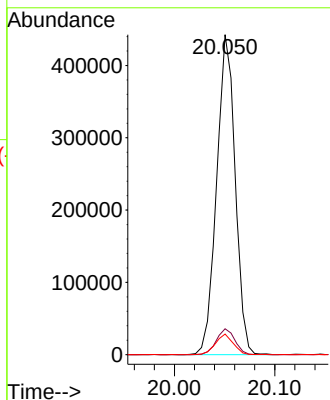
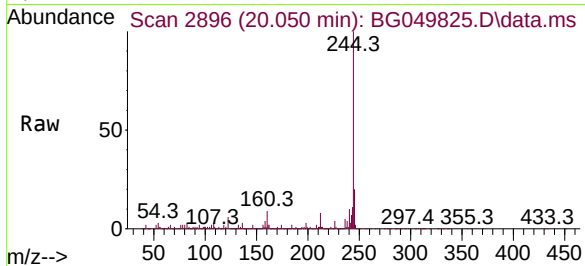




#79
 Terphenyl-d14
 Concen: 65.99 ng
 RT: 20.050 min Scan# 2896
 Delta R.T. -0.003 min
 Lab File: BG049825.D
 Acq: 12 Aug 2021 19:57

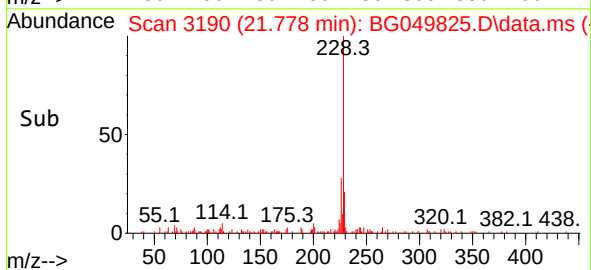
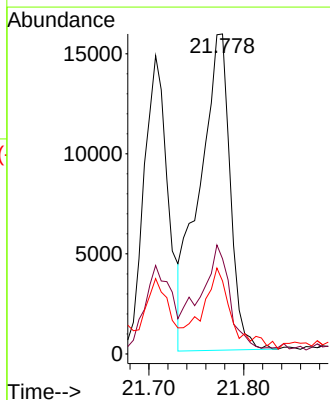
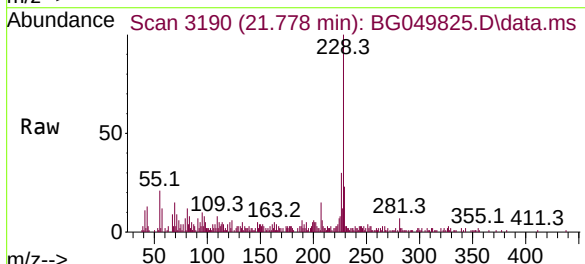
Instrument :
 BNA_G
 ClientSampleId :
 BSY1-SB-121314-0-3

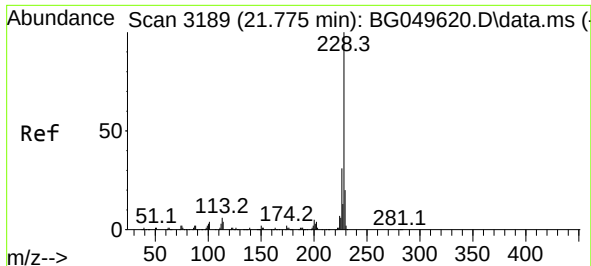
Tgt Ion:244	Resp:	566729
Ion Ratio	Lower	Upper
244	100	
212	8.1	6.9 10.3
122	6.5	5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 3.50 ng
 RT: 21.778 min Scan# 3190
 Delta R.T. 0.068 min
 Lab File: BG049825.D
 Acq: 12 Aug 2021 19:57

Tgt Ion:228	Resp:	35533
Ion Ratio	Lower	Upper
228	100	
226	29.7	22.7 34.1
229	22.8	16.0 24.0

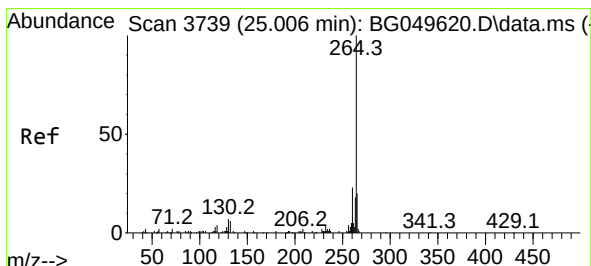
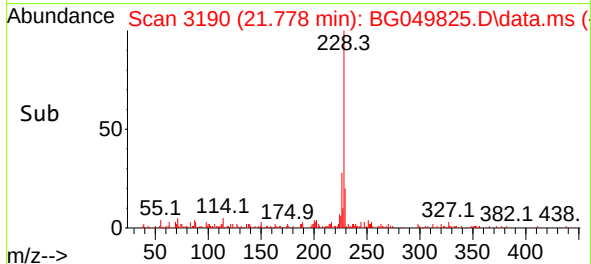
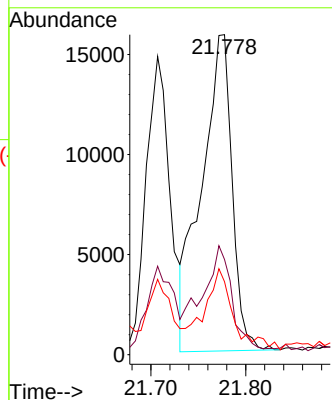
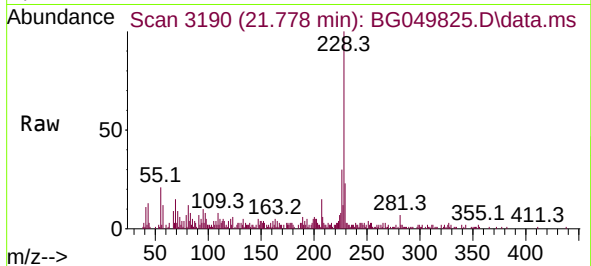




#83
Chrysene
Concen: 3.66 ng
RT: 21.778 min Scan# 3190
Delta R.T. 0.003 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

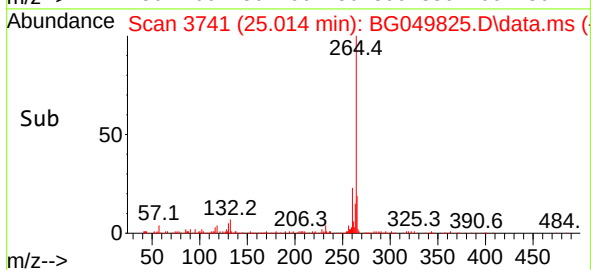
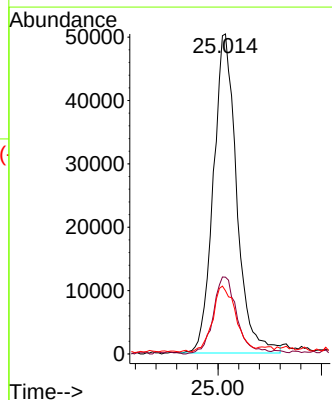
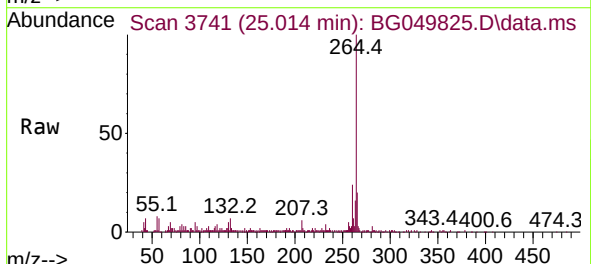
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

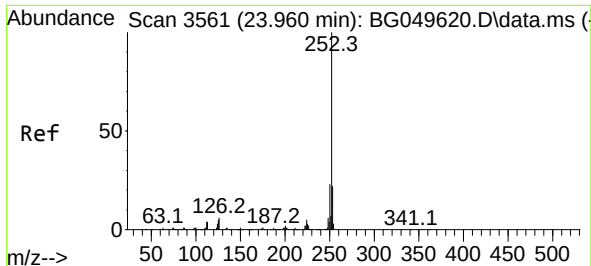
Tgt Ion:228	Resp:	35533
Ion Ratio	Lower	Upper
228	100	
226	29.7	23.1 34.7
229	22.8	15.3 22.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.014 min Scan# 3741
Delta R.T. 0.009 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

Tgt Ion:264	Resp:	157357
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.4 29.2
265	19.8	16.9 25.3

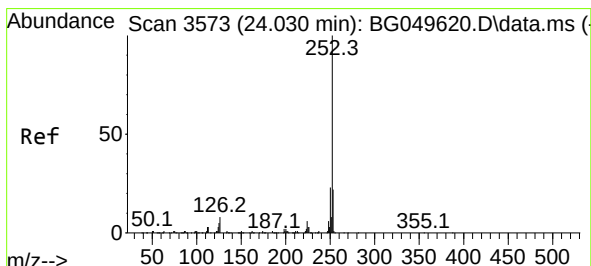
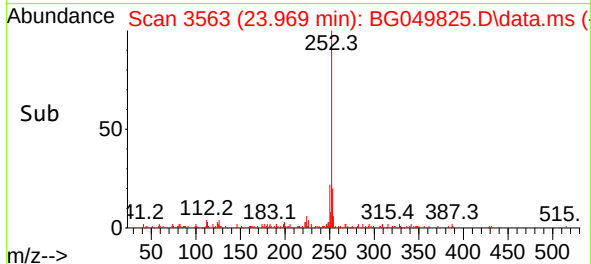
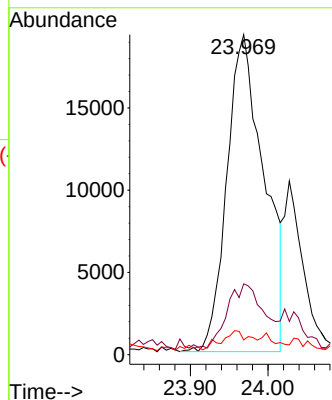
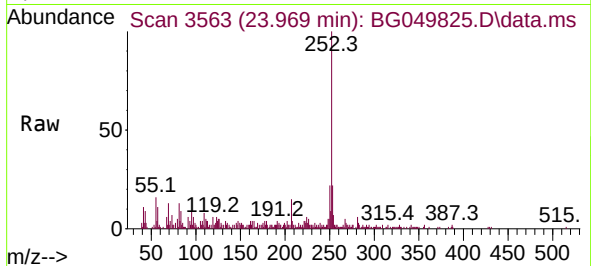




#88
Benzo(b)fluoranthene
Concen: 6.23 ng
RT: 23.969 min Scan# 3563
Delta R.T. 0.009 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

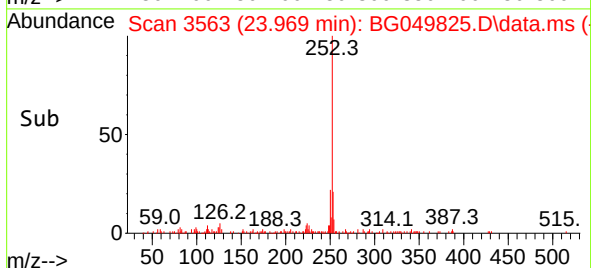
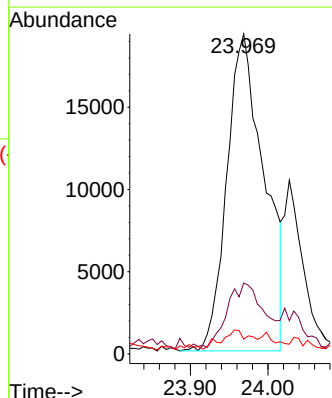
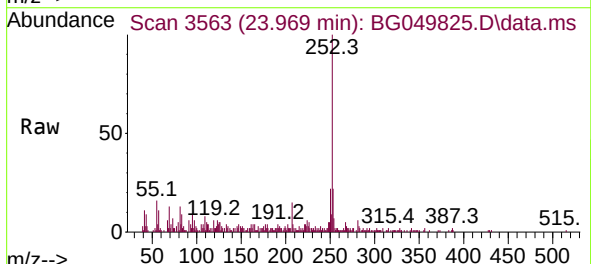
Instrument :
BNA_G
ClientSampleId :
BSY1-SB-121314-0-3

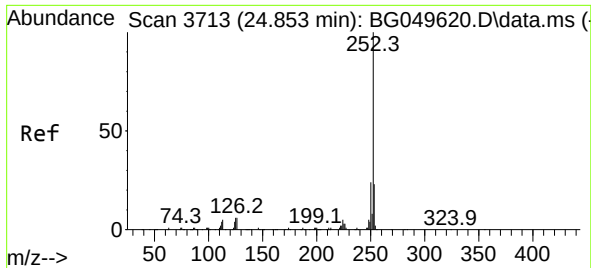
Tgt Ion:252 Resp: 64280
Ion Ratio Lower Upper
252 100
253 22.1 16.2 24.4
125 4.6 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 6.68 ng
RT: 23.969 min Scan# 3563
Delta R.T. -0.062 min
Lab File: BG049825.D
Acq: 12 Aug 2021 19:57

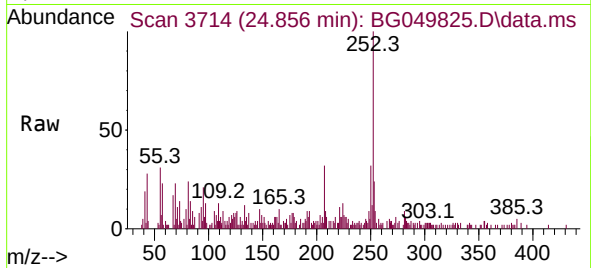
Tgt Ion:252 Resp: 64280
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 4.6 3.1 4.7





#90
 Benzo(a)pyrene
 Concen: 2.95 ng
 RT: 24.856 min Scan# 3714
 Delta R.T. 0.003 min
 Lab File: BG049825.D
 Acq: 12 Aug 2021 19:57

Instrument :
 BNA_G
 ClientSampleId :
 BSY1-SB-121314-0-3



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.6	25.0
125	8.4	3.5	5.3

