

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057576.D
 Acq On : 26 May 2023 3:27
 Operator : CG/JU
 Sample : 02941-03 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHOST-CLEANFILL-001

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

Quant Time: May 26 04:05:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							05/26/2023
1) 1,4-Dichlorobenzene-d4	8.350	152	29407	20.000	ng	0.00	Supervised By :Jagrut padhyay
21) Naphthalene-d8	11.193	136	116891	20.000	ng	0.00	
39) Acenaphthene-d10	14.970	164	77681	20.000	ng	0.00	
64) Phenanthrene-d10	17.708	188	169795	20.000	ng	0.00	
76) Chrysene-d12	22.014	240	144740	20.000	ng	0.00	
86) Perylene-d12	25.526	264	146796	20.000	ng	0.00	05/26/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.871	112	1085	0.631	ng	0.00	
7) Phenol-d6	7.504	99	8205	3.143	ng	0.00	
23) Nitrobenzene-d5	9.531	82	11612	4.169	ng	0.00	
42) 2,4,6-Tribromophenol	16.456	330	188	0.171	ng	0.00	
45) 2-Fluorobiphenyl	13.590	172	29064	5.039	ng	0.00	
79) Terphenyl-d14	20.275	244	43210	4.872	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	11.240	128	27694	4.432	ng		99
37) 2-Methylnaphthalene	12.820	142	13640m	2.776	ng		
38) 1-Methylnaphthalene	13.038	142	10418m	2.250	ng		
52) Acenaphthene	15.035	154	14097	3.240	ng		92
55) Dibenzofuran	15.364	168	17499	2.393	ng		96
58) Fluorene	16.010	166	26579	4.413	ng		95
71) Phenanthrene	17.749	178	193923	22.288	ng		100
72) Anthracene	17.843	178	50957	5.708	ng		99
73) Carbazole	18.113	167	17070	2.271	ng	#	93
75) Fluoranthene	19.740	202	217196	20.071	ng		97
78) Pyrene	20.104	202	190751	18.136	ng		98
81) Benzo(a)anthracene	21.996	228	91125	8.837	ng		96
83) Chrysene	22.066	228	83793m	8.636	ng		
87) Indeno(1,2,3-cd)pyrene	29.580	276	28859m	2.697	ng		
88) Benzo(b)fluoranthene	24.404	252	96715	10.079	ng	#	95
89) Benzo(k)fluoranthene	24.469	252	36164m	3.709	ng		
90) Benzo(a)pyrene	25.356	252	64813	6.913	ng	#	90
92) Benzo(g,h,i)perylene	30.872	276	26763m	3.076	ng		

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

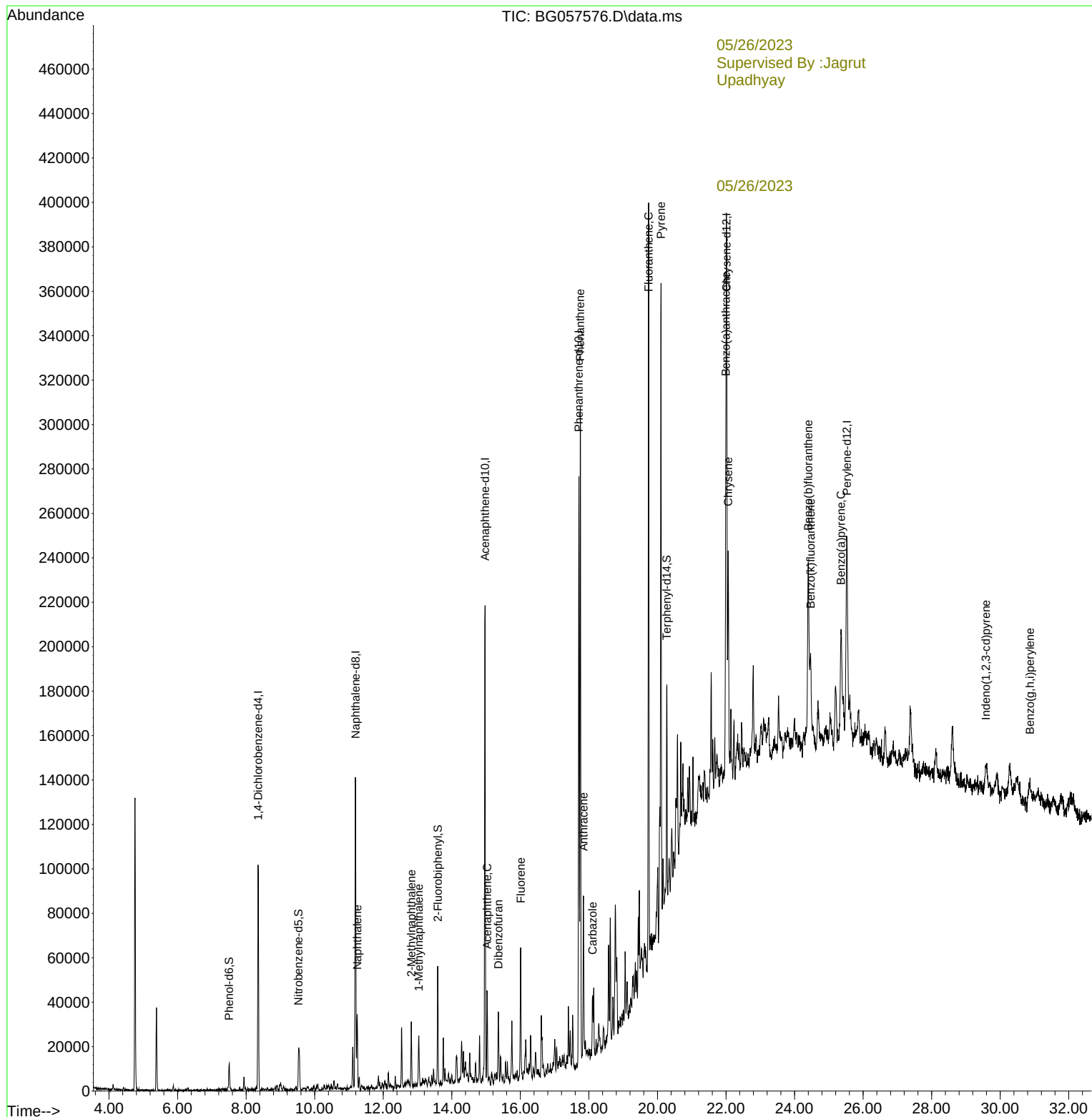
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057576.D
Acq On : 26 May 2023 3:27
Operator : CG/JU
Sample : 02941-03 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

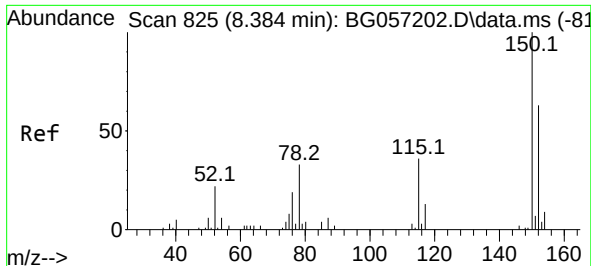
Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001

Quant Time: May 26 04:05:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
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QLast Update : Fri May 26 02:58:05 2023
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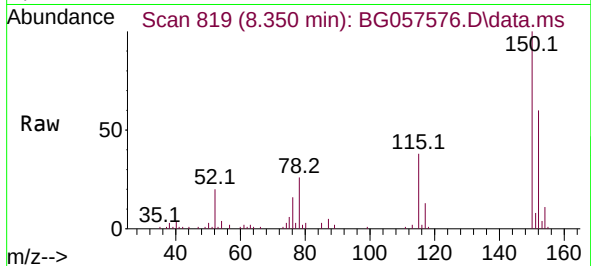
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Giraldo





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.350 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

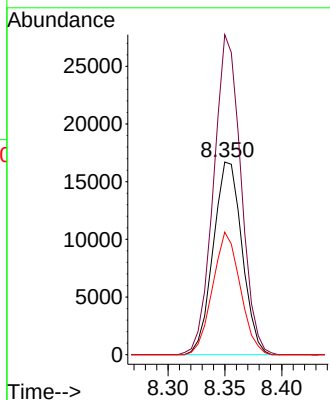
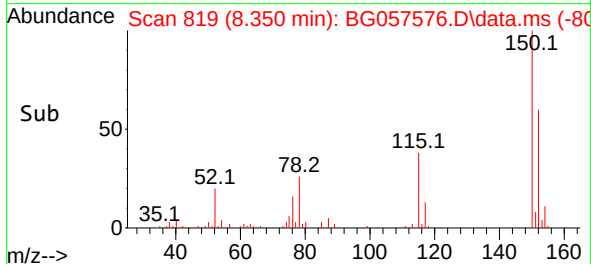
Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001



Tgt Ion:152 Resp: 2940
Ion Ratio Lower Upper
152 100
150 166.2 126.2 189.4
115 63.7 45.0 67.4

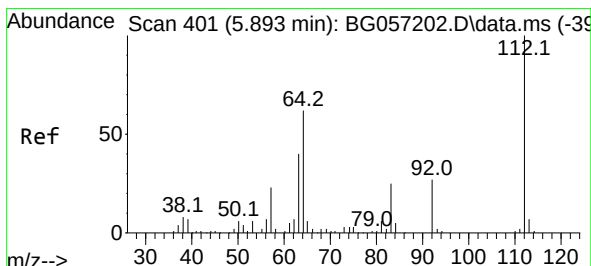
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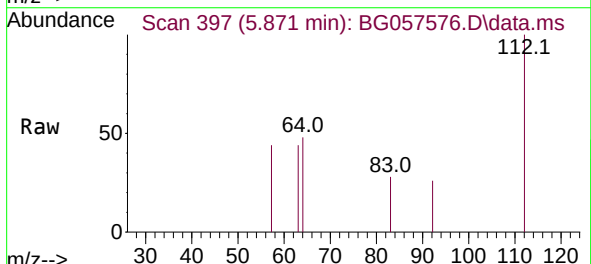


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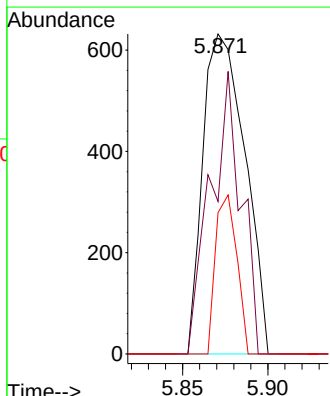
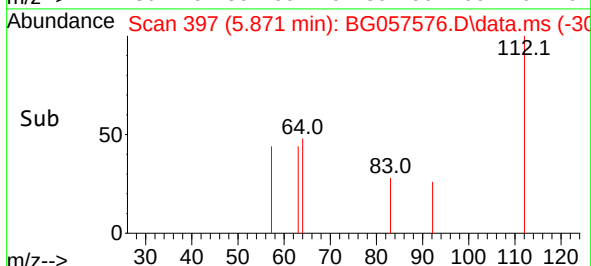
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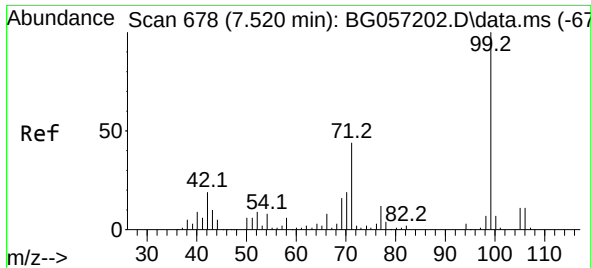


#5
2-Fluorophenol
Concen: 0.631 ng
RT: 5.871 min Scan# 397
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27



Tgt Ion:112 Resp: 1085
Ion Ratio Lower Upper
112 100
64 47.6 49.4 74.2#
63 44.1 31.6 47.4





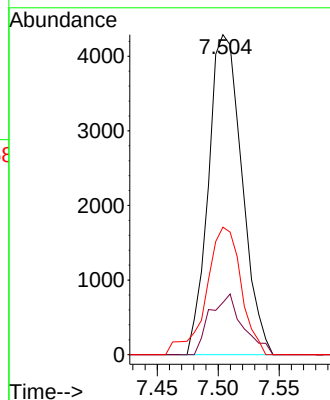
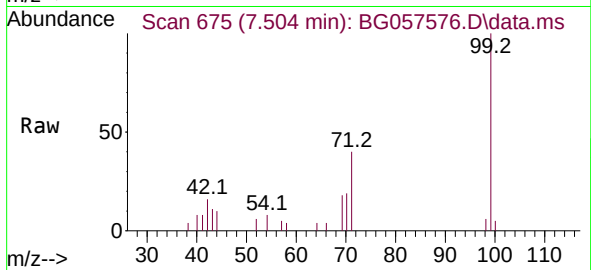
#7
Phenol-d6
Concen: 3.143 ng
RT: 7.504 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001

Tgt Ion: 99 Resp: 820
Ion Ratio Lower Upper
99 100
42 16.3 15.1 22.7
71 39.8 35.2 52.8

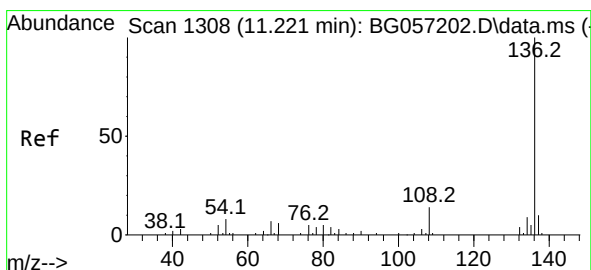
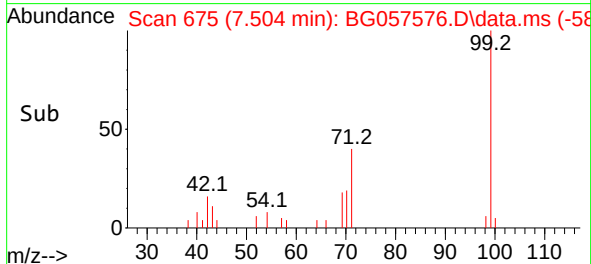
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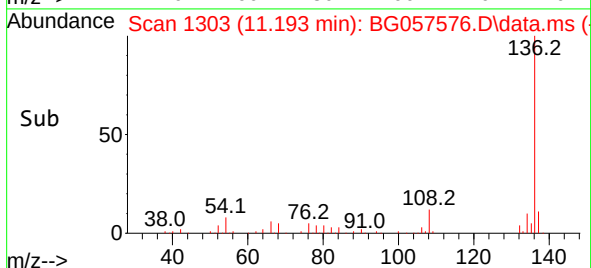
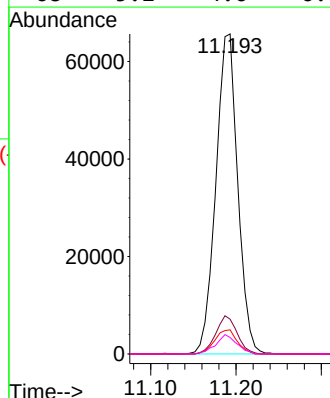
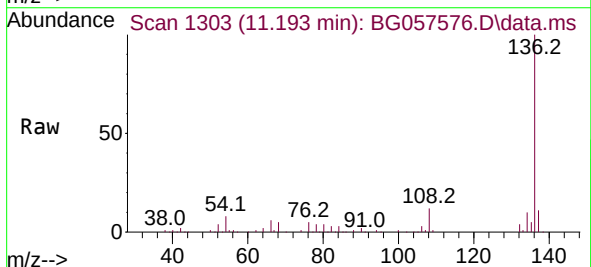
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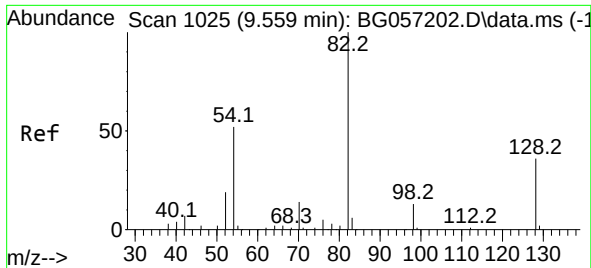
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 1303
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

Tgt Ion:136 Resp: 116891
Ion Ratio Lower Upper
136 100
137 10.9 8.3 12.5
54 7.5 6.7 10.1
68 5.2 4.6 6.8





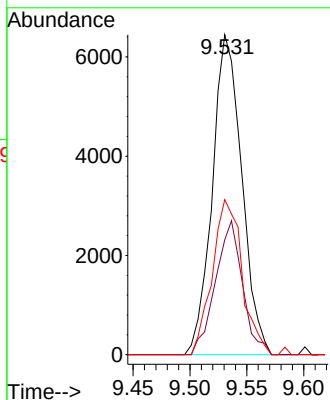
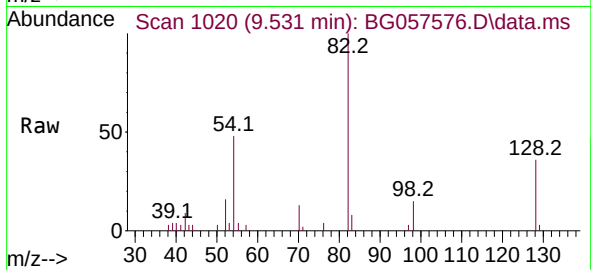
#23
Nitrobenzene-d5
Concen: 4.169 ng
RT: 9.531 min Scan# 1020
Delta R.T. -0.007 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001

Tgt Ion: 82 Resp: 1161
Ion Ratio Lower Upper
82 100
128 35.9 29.0 43.4
54 48.4 41.4 62.0

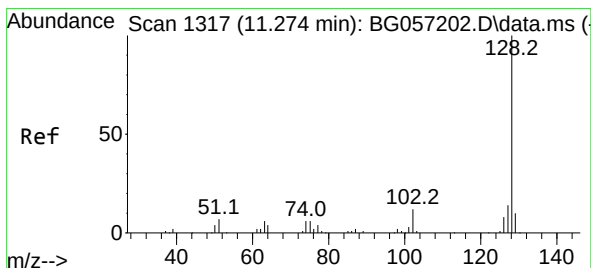
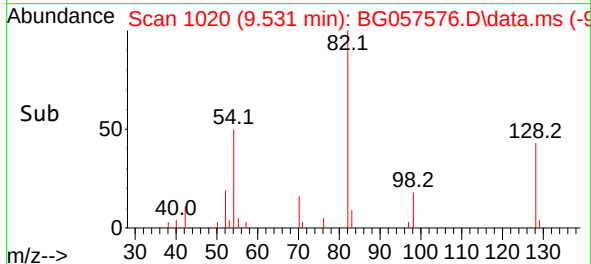
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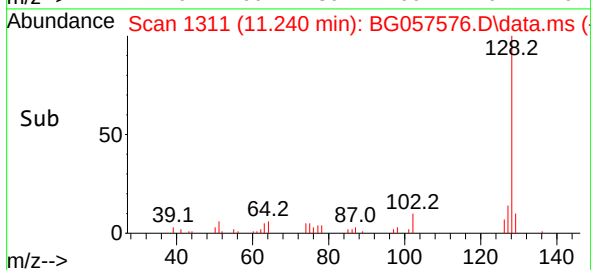
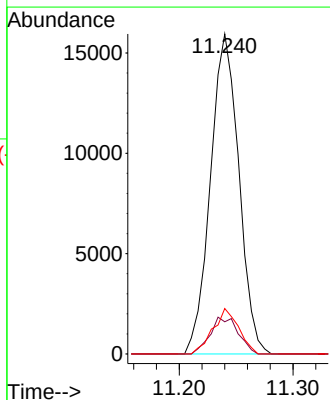
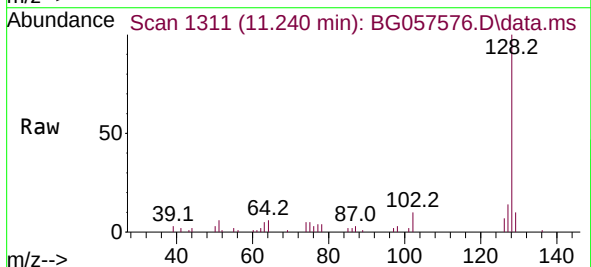
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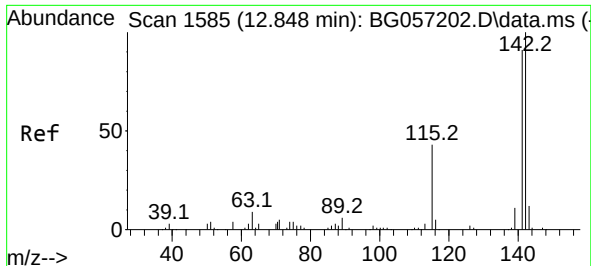
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#31
Naphthalene
Concen: 4.432 ng
RT: 11.240 min Scan# 1311
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

Tgt Ion:128 Resp: 27694
Ion Ratio Lower Upper
128 100
129 10.1 8.3 12.5
127 14.2 11.1 16.7





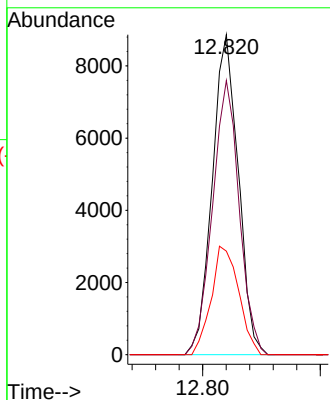
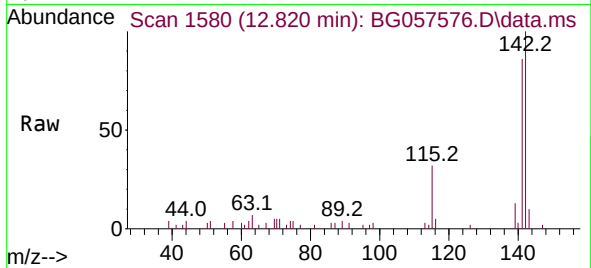
#37
2-Methylnaphthalene
Concen: 2.776 ng m
RT: 12.820 min Scan# 1585
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001

Tgt Ion:142 Resp: 13640
Ion Ratio Lower Upper
142 100
141 85.7 73.1 109.7
115 32.4 34.6 52.0

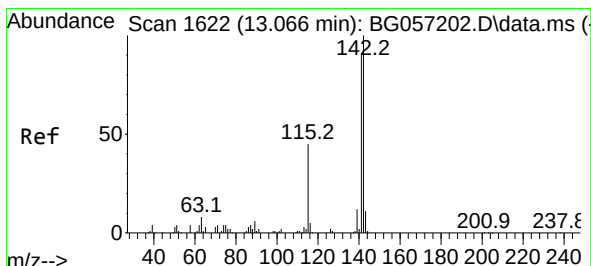
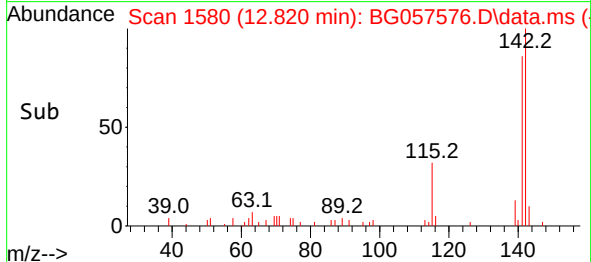
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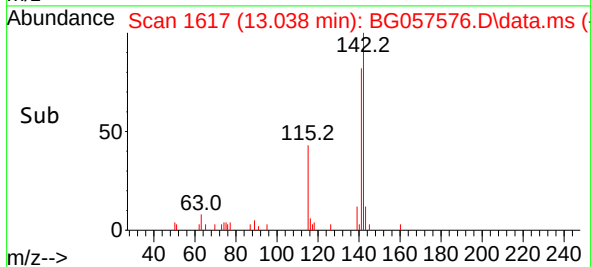
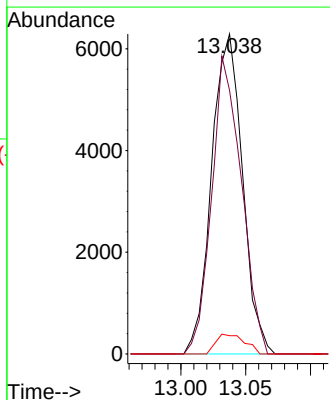
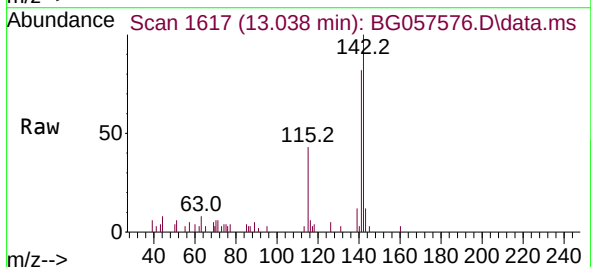
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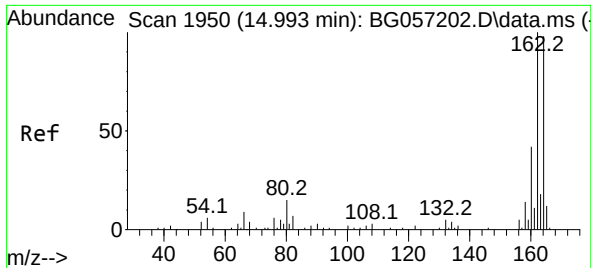
05/26/2023



#38
1-Methylnaphthalene
Concen: 2.250 ng m
RT: 13.038 min Scan# 1617
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

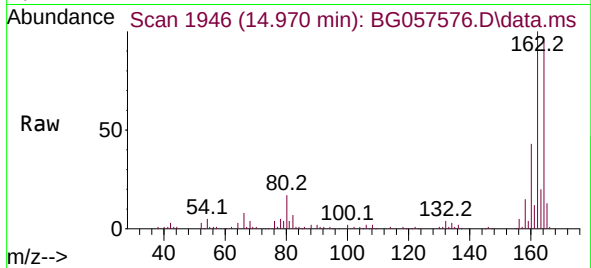
Tgt Ion:142 Resp: 10418
Ion Ratio Lower Upper
142 100
141 82.4 72.5 108.7
116 5.7 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

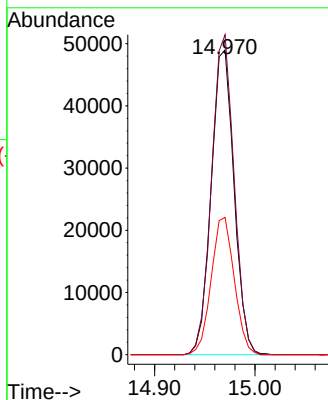
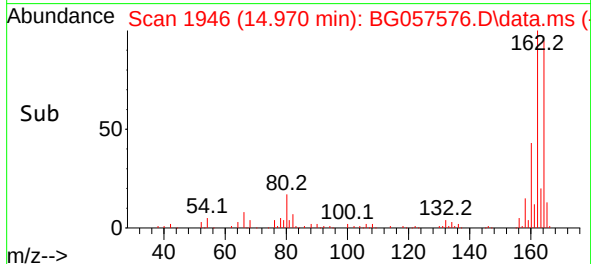
Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001



Tgt Ion:164 Resp: 7768
Ion Ratio Lower Upper
164 100
162 105.0 81.8 122.6
160 45.0 34.6 52.0

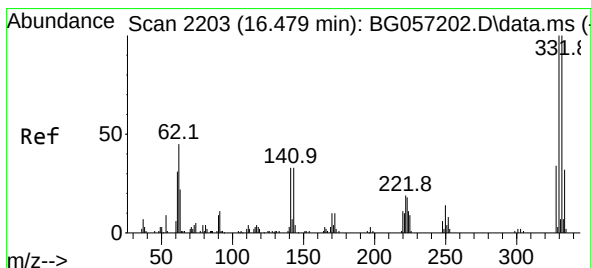
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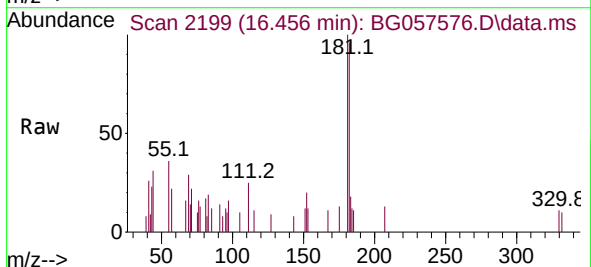


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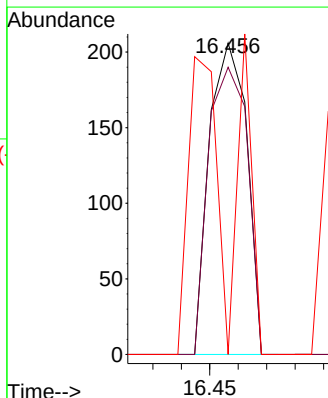
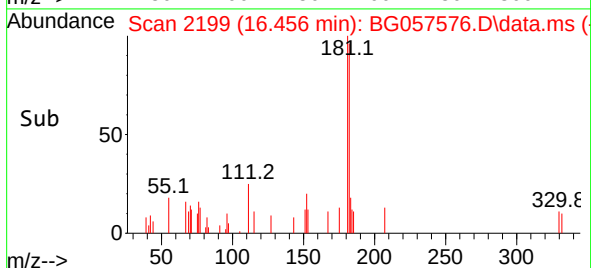
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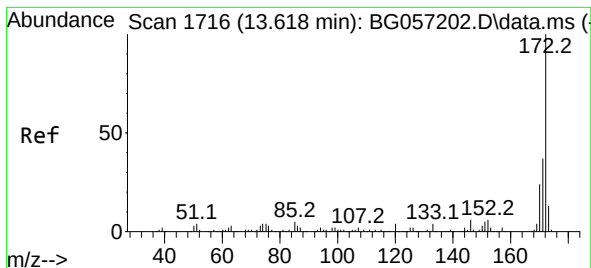


#42
2,4,6-Tribromophenol
Concen: 0.171 ng
RT: 16.456 min Scan# 2199
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27



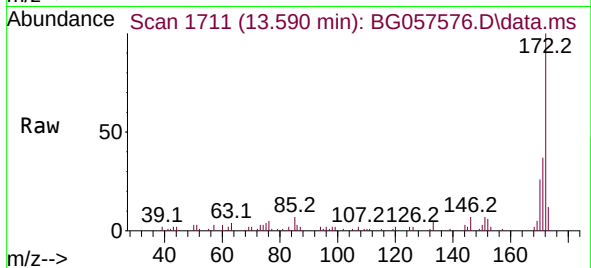
Tgt Ion:330 Resp: 188
Ion Ratio Lower Upper
330 100
332 96.3 78.2 117.2
141 71.8 27.8 41.8#





#45
2-Fluorobiphenyl
Concen: 5.039 ng
RT: 13.590 min Scan# 1711
Delta R.T. -0.007 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

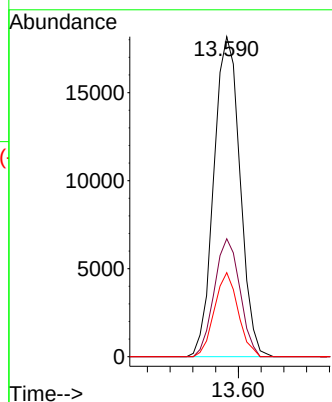
Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001



Tgt Ion:172 Resp: 29064
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 26.3 19.0 28.6

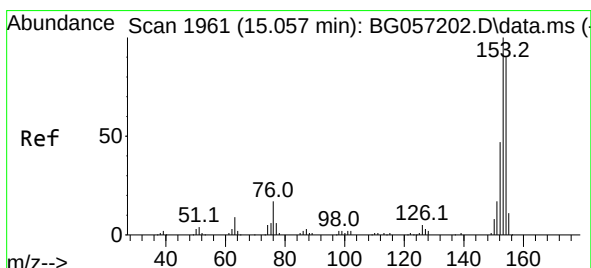
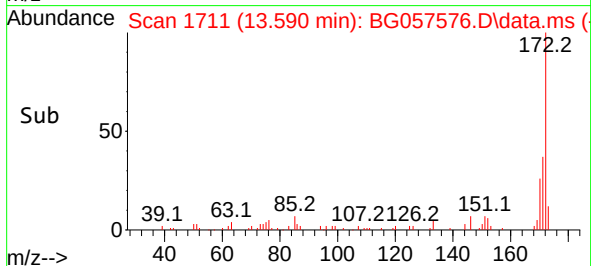
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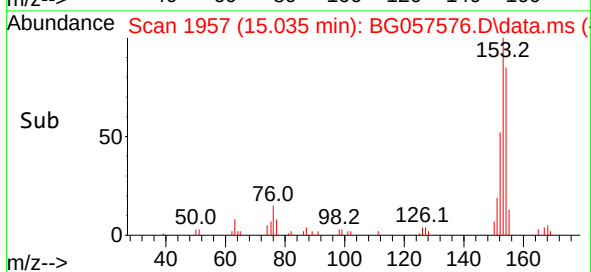
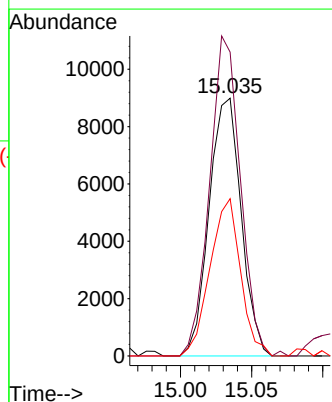
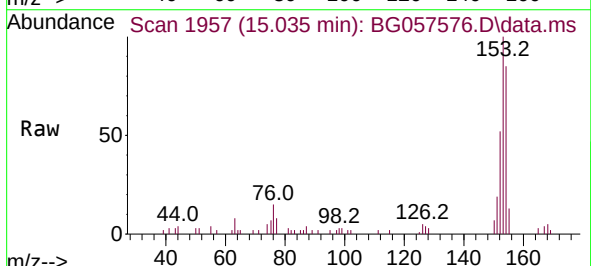
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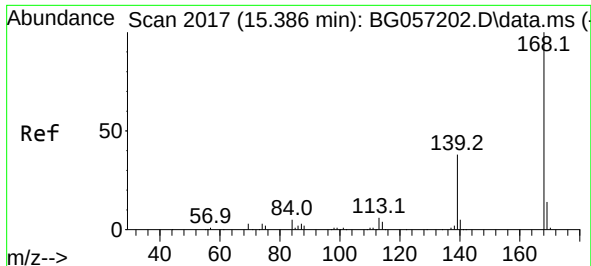
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#52
Acenaphthene
Concen: 3.240 ng
RT: 15.035 min Scan# 1957
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

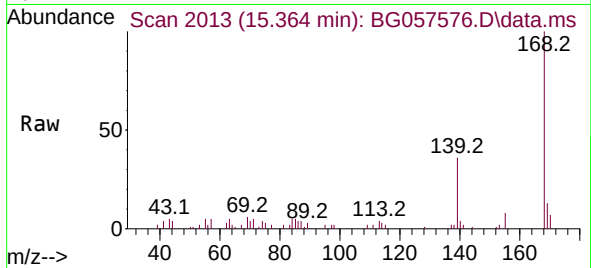
Tgt Ion:154 Resp: 14097
Ion Ratio Lower Upper
154 100
153 117.9 89.3 133.9
152 61.0 41.7 62.5





#55
Dibenzenofuran
Concen: 2.393 ng
RT: 15.364 min Scan# 2013
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

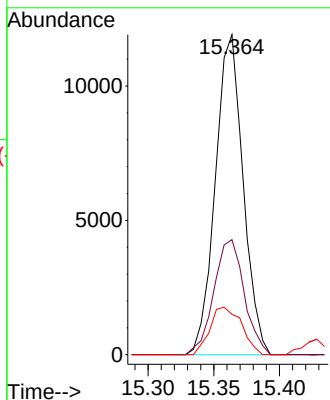
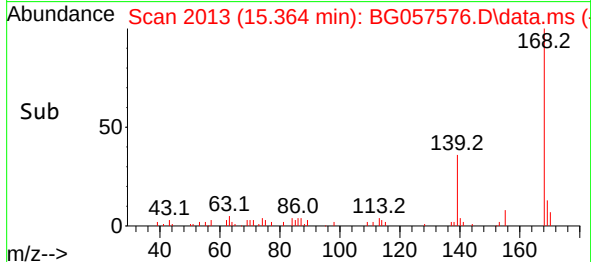
Instrument :
BNA_G
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GHOST-CLEANFILL-001



Tgt Ion:168 Resp: 17499
Ion Ratio Lower Upper
168 100
139 36.0 30.7 46.1
169 12.6 10.9 16.3

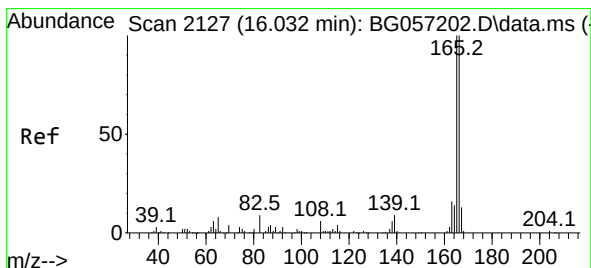
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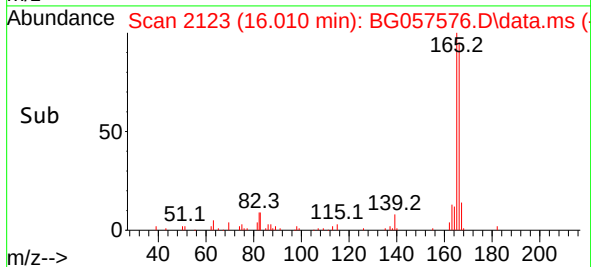
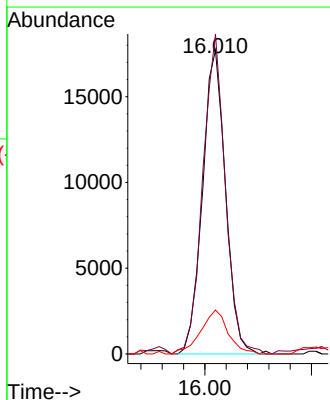
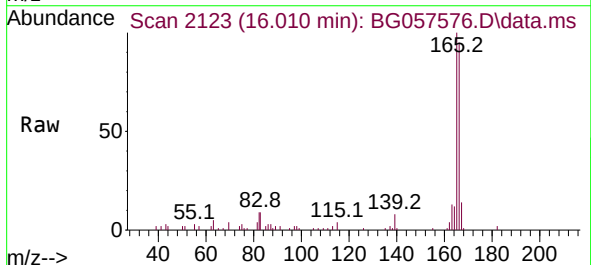
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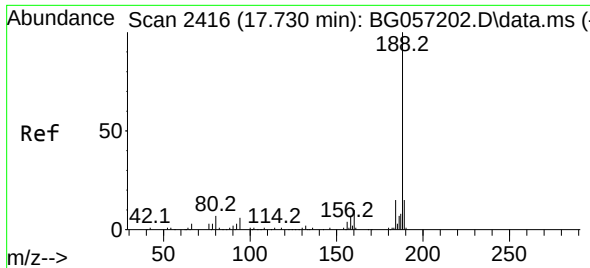
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#58
Fluorene
Concen: 4.413 ng
RT: 16.010 min Scan# 2123
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

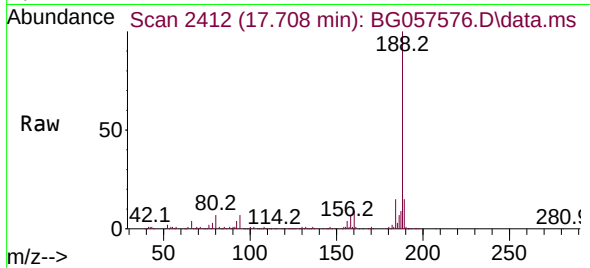
Tgt Ion:166 Resp: 26579
Ion Ratio Lower Upper
166 100
165 105.3 80.1 120.1
167 14.5 10.2 15.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.708 min Scan# 2416
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

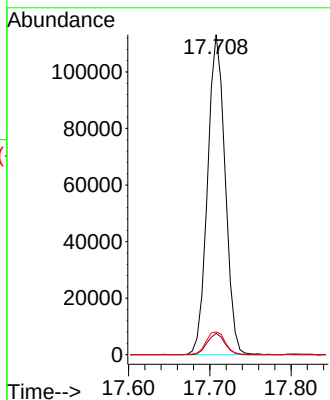
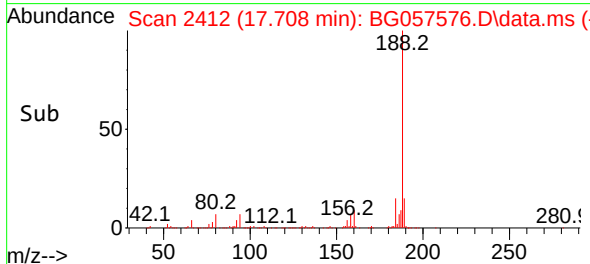
Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001



Tgt Ion:188 Resp: 169795
Ion Ratio Lower Upper
188 100
94 6.7 5.1 7.7
80 7.1 5.7 8.5

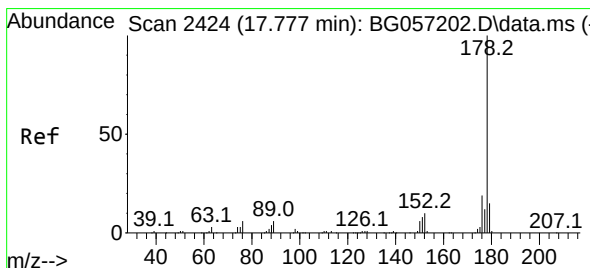
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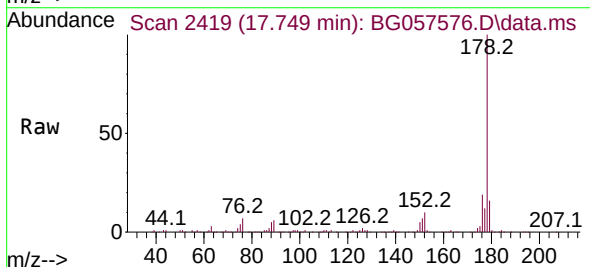


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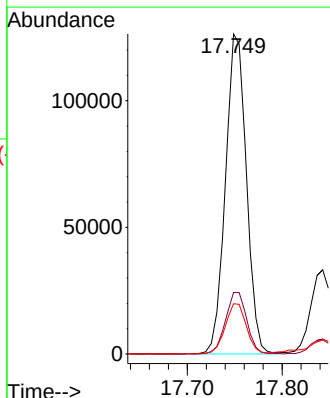
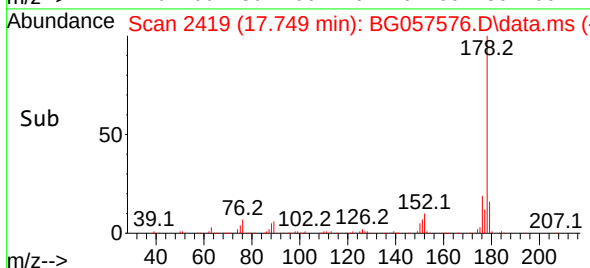
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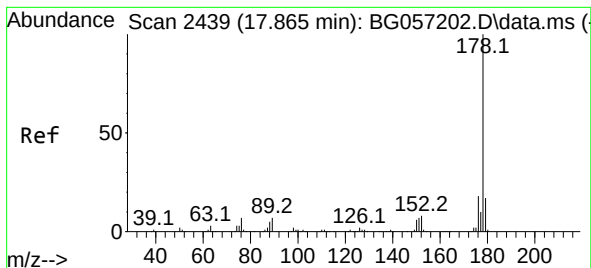


#71
Phenanthrene
Concen: 22.288 ng
RT: 17.749 min Scan# 2419
Delta R.T. -0.007 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27



Tgt Ion:178 Resp: 193923
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.7 12.3 18.5





#72

Anthracene

Concen: 5.708 ng

RT: 17.843 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG057576.D

Acq: 26 May 2023 3:27

Instrument :

BNA_G

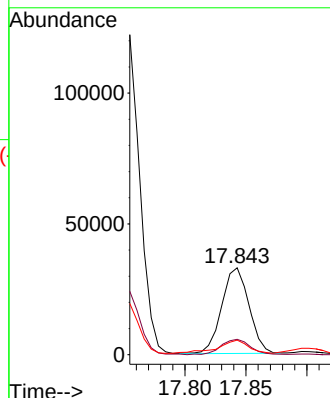
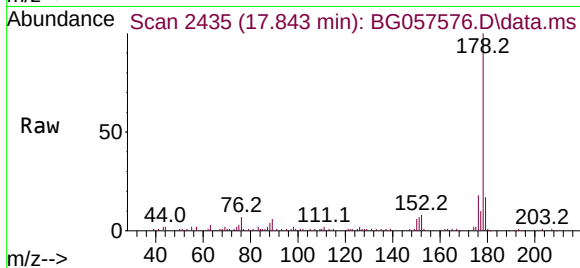
ClientSampleId :

GHOST-CLEANFILL-001

Tgt Ion:178 Resp: 5095
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.7 22.1
 179 16.7 13.2 19.8

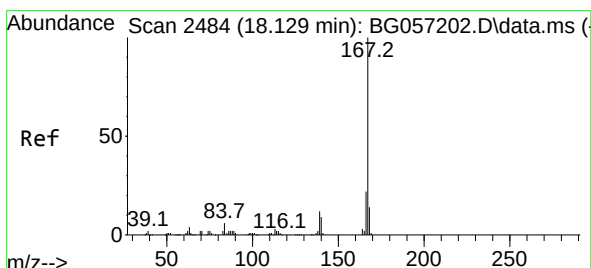
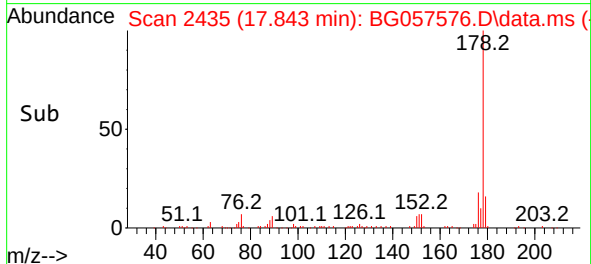
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#73

Carbazole

Concen: 2.271 ng

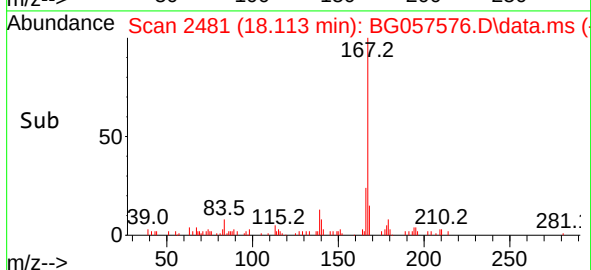
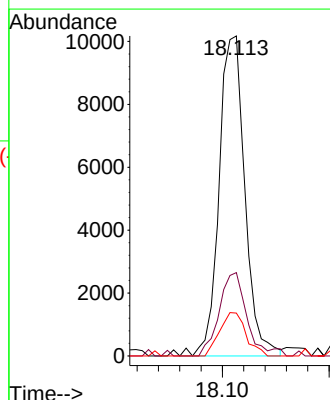
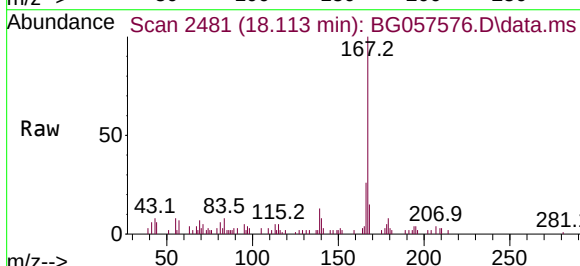
RT: 18.113 min Scan# 2481

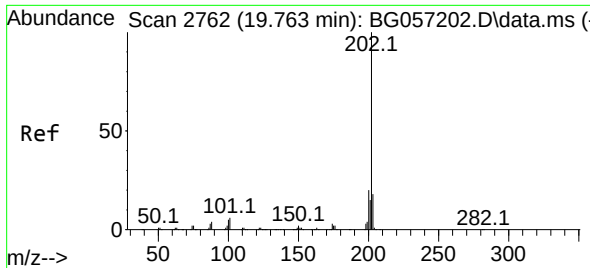
Delta R.T. -0.002 min

Lab File: BG057576.D

Acq: 26 May 2023 3:27

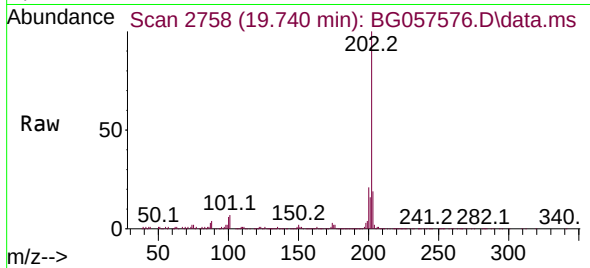
Tgt Ion:167 Resp: 17070
 Ion Ratio Lower Upper
 167 100
 166 26.1 17.4 26.0#
 139 13.4 9.6 14.4





#75
Fluoranthene
Concen: 20.071 ng
RT: 19.740 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

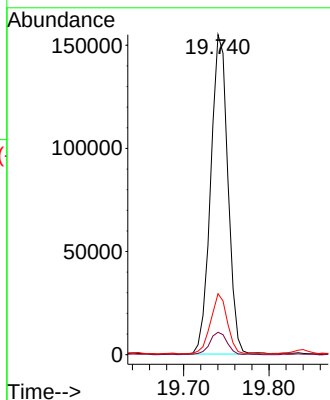
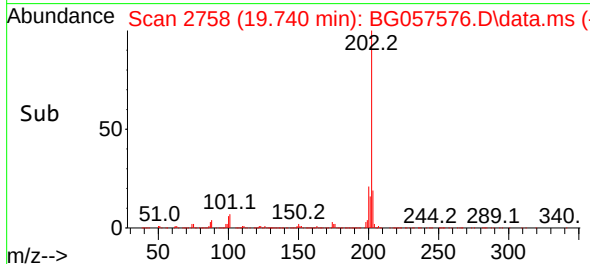
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:202 Resp: 217190
Ion Ratio Lower Upper
202 100
101 7.0 0.0 26.2
203 19.0 0.0 37.9

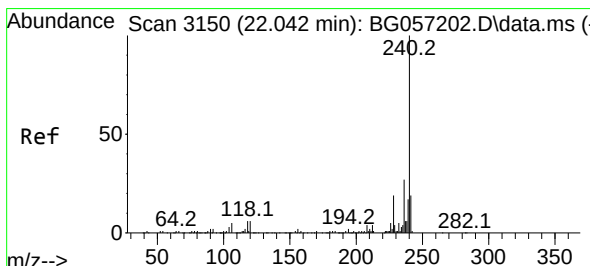
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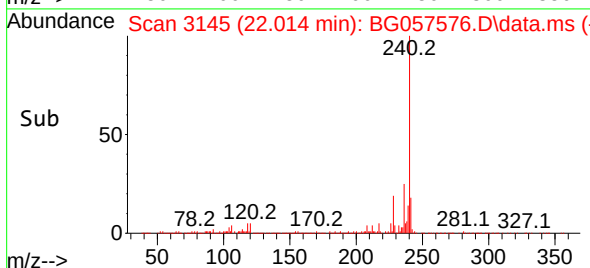
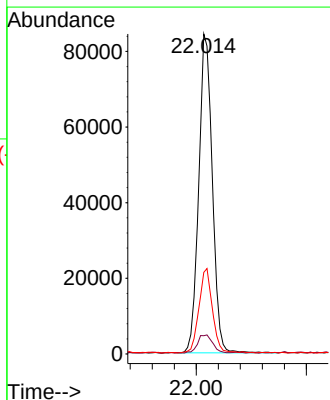
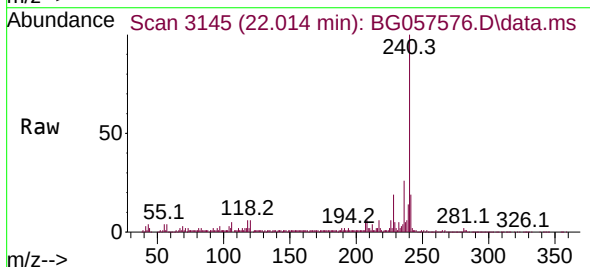
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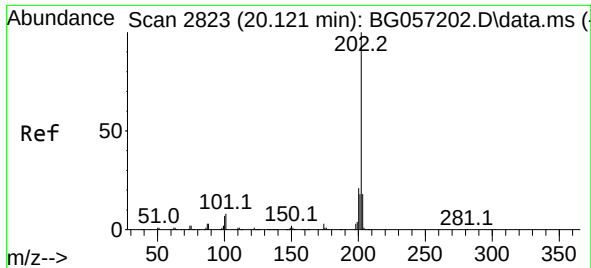
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.014 min Scan# 3145
Delta R.T. -0.007 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

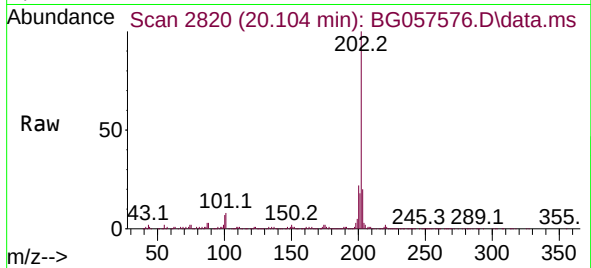
Tgt Ion:240 Resp: 144740
Ion Ratio Lower Upper
240 100
120 5.7 4.9 7.3
236 25.5 21.4 32.2





#78
Pyrene
Concen: 18.136 ng
RT: 20.104 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

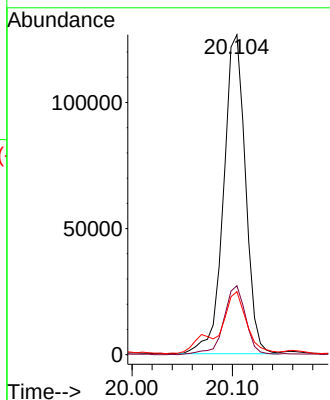
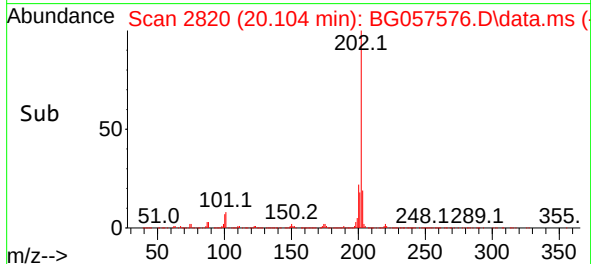
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:202 Resp: 19075
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 19.7 14.2 21.4

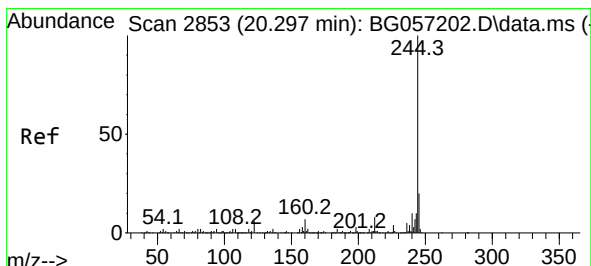
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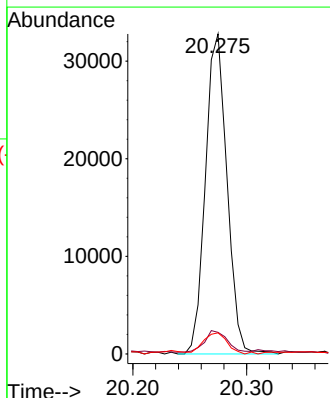
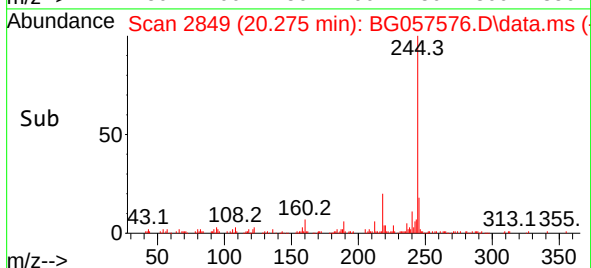
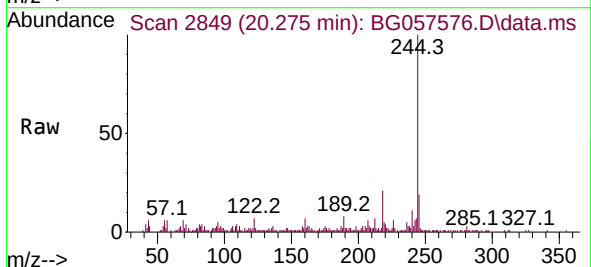
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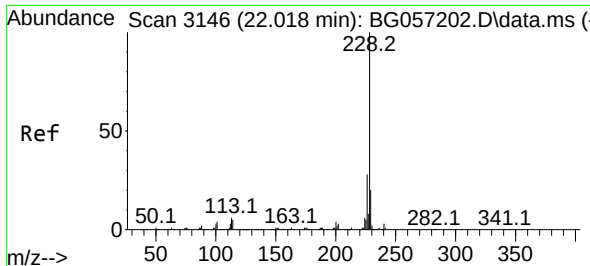
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#79
Terphenyl-d14
Concen: 4.872 ng
RT: 20.275 min Scan# 2849
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

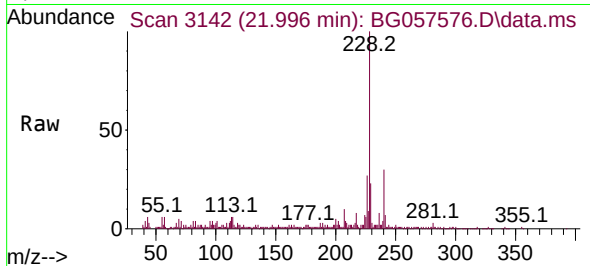
Tgt Ion:244 Resp: 43210
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 6.6 5.1 7.7





#81
Benzo(a)anthracene
Concen: 8.837 ng
RT: 21.996 min Scan# 3146
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

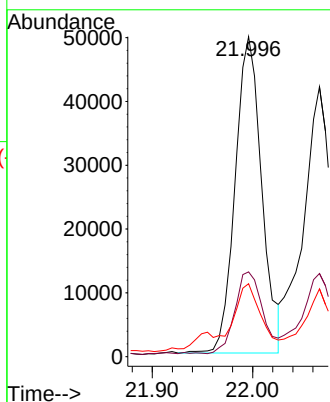
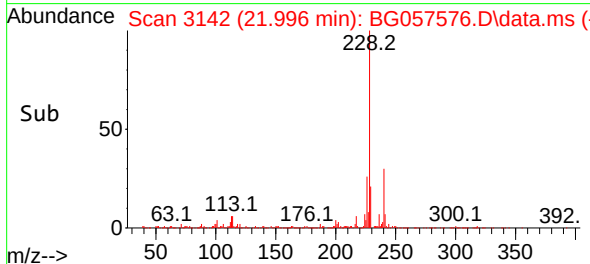
Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001



Tgt Ion:228 Resp: 91125
Ion Ratio Lower Upper
228 100
226 26.5 22.0 33.0
229 22.8 15.8 23.8

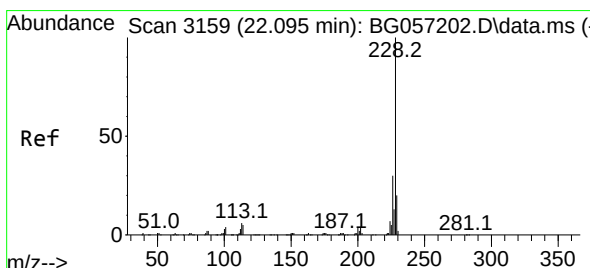
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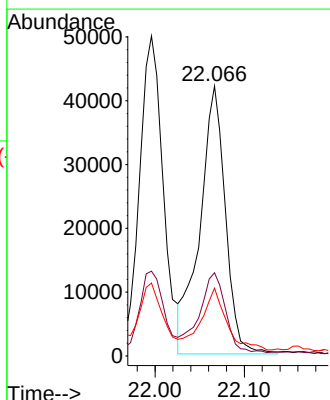
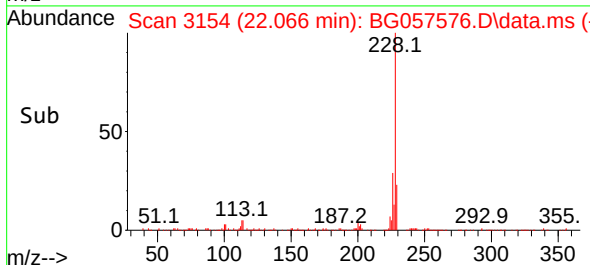
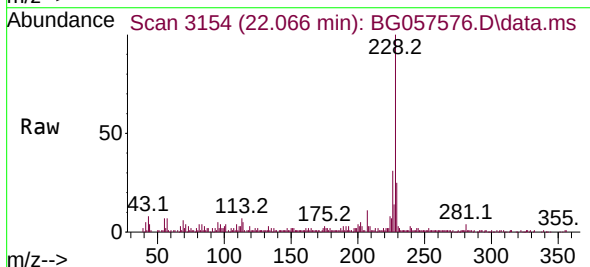
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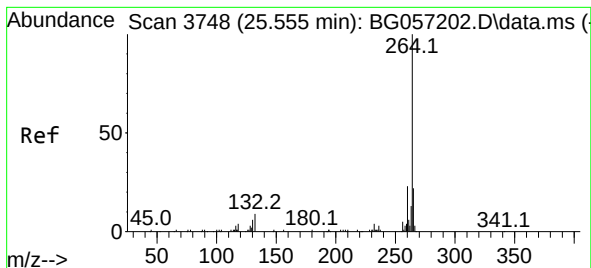
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#83
Chrysene
Concen: 8.636 ng m
RT: 22.066 min Scan# 3154
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

Tgt Ion:228 Resp: 83793
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 25.1 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.526 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG057576.D

Acq: 26 May 2023 3:27

Instrument :

BNA_G

ClientSampleId :

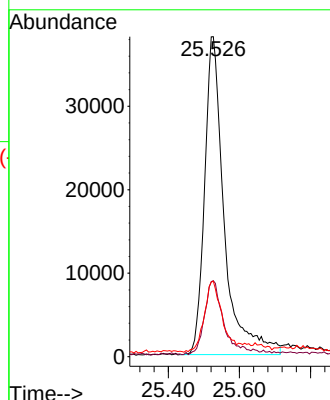
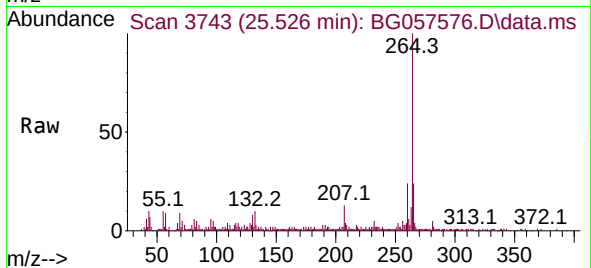
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Tgt Ion:264 Resp: 146790

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	23.6	17.9	26.9

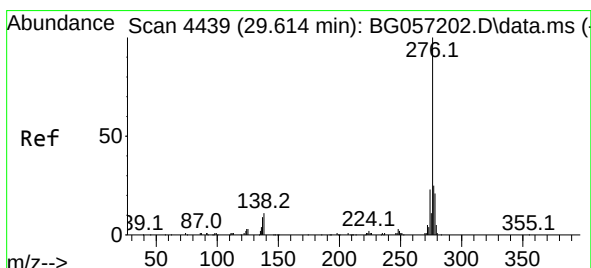
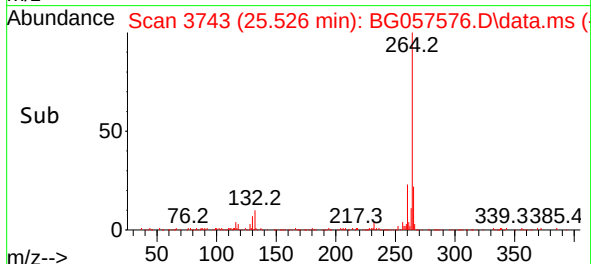
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#87

Indeno(1,2,3-cd)pyrene

Concen: 2.697 ng m

RT: 29.580 min Scan# 4433

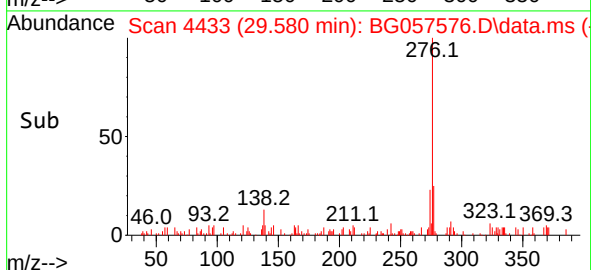
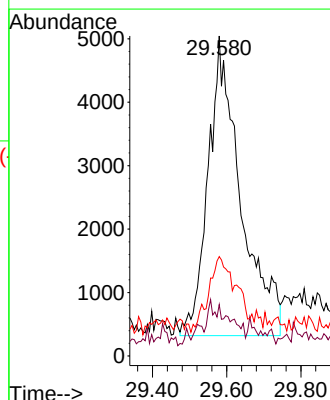
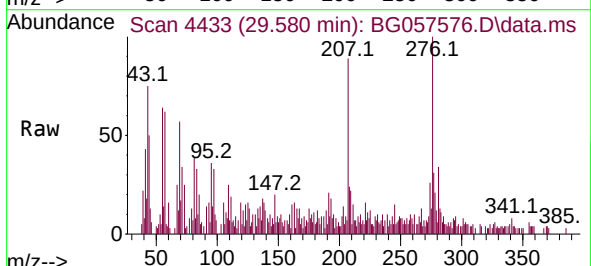
Delta R.T. -0.002 min

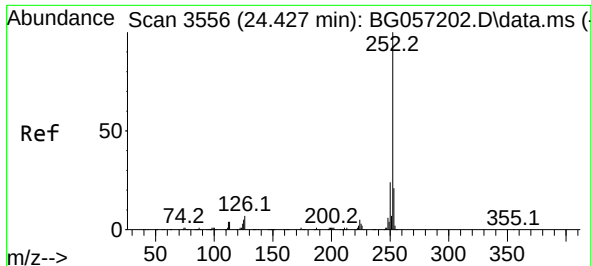
Lab File: BG057576.D

Acq: 26 May 2023 3:27

Tgt Ion:276 Resp: 28859

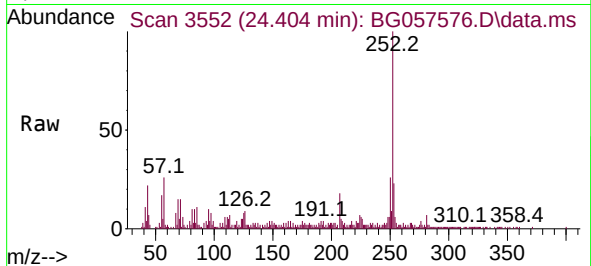
Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.4	8.0#
277	17.0	20.6	30.8#





#88
Benzo(b)fluoranthene
Concen: 10.079 ng
RT: 24.404 min Scan# 3552
Delta R.T. 0.004 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

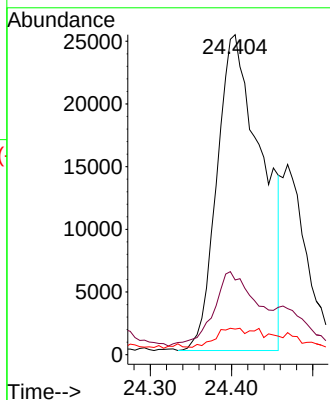
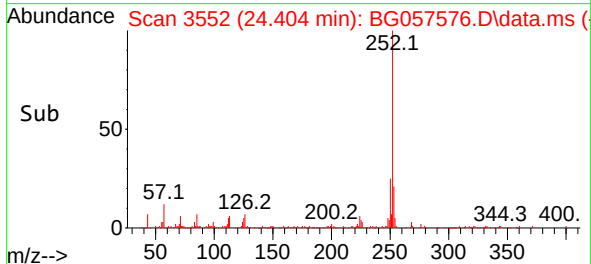
Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001



Tgt Ion:252 Resp: 96715
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 8.0 4.2 6.2

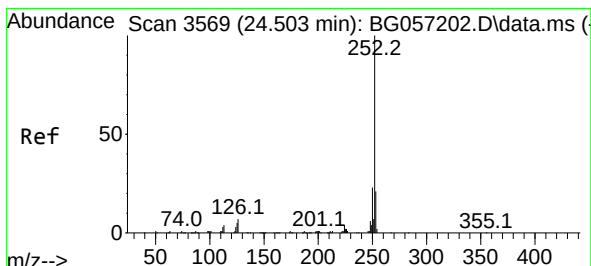
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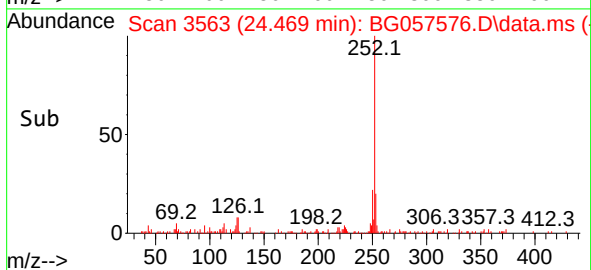
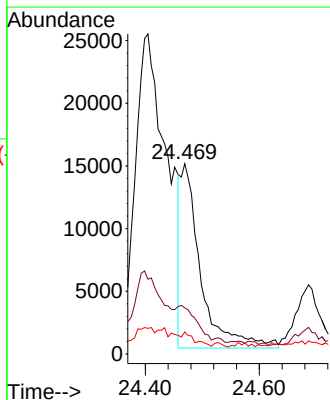
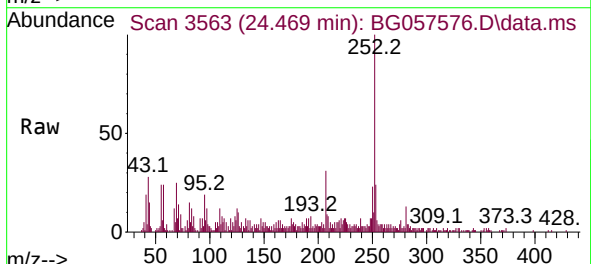
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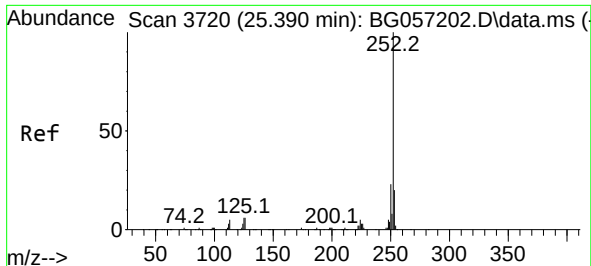
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#89
Benzo(k)fluoranthene
Concen: 3.709 ng m
RT: 24.469 min Scan# 3563
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

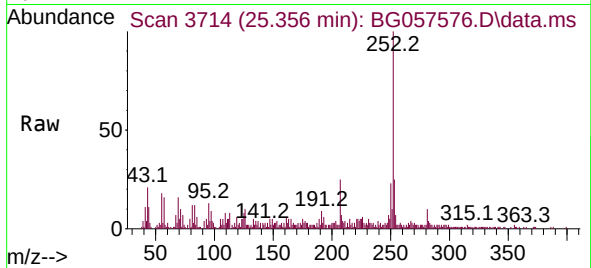
Tgt Ion:252 Resp: 36164
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 11.6 4.1 6.1





#90
Benzo(a)pyrene
Concen: 6.913 ng
RT: 25.356 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27

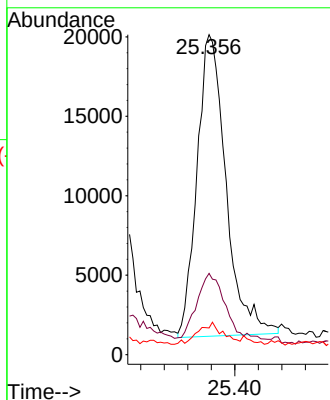
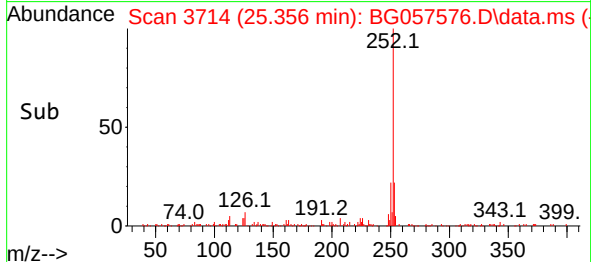
Instrument :
BNA_G
ClientSampleId :
GHOST-CLEANFILL-001



Tgt Ion:252 Resp: 6481
Ion Ratio Lower Upper
252 100
253 25.4 16.3 24.5#
125 8.3 5.0 7.4#

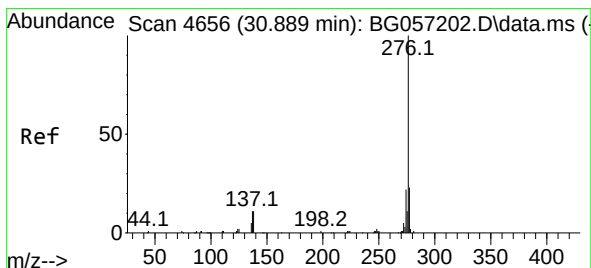
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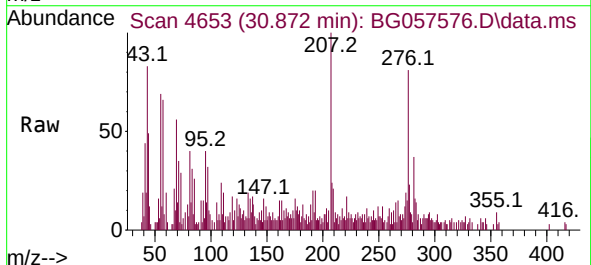


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#92
Benzo(g,h,i)perylene
Concen: 3.076 ng m
RT: 30.872 min Scan# 4653
Delta R.T. 0.016 min
Lab File: BG057576.D
Acq: 26 May 2023 3:27



Tgt Ion:276 Resp: 26763
Ion Ratio Lower Upper
276 100
277 28.2 18.4 27.6#
138 15.7 9.0 13.4#

