

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049868.D
 Acq On : 17 Aug 2021 3:20
 Operator : CG/JU
 Sample : M3407-14 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 27N

Manual Integrations
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Quant Time: Aug 17 04:45:24 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	40076	20.000	ng	# 0.00
21) Naphthalene-d8	10.854	136	160207	20.000	ng	# 0.00
39) Acenaphthene-d10	14.684	164	100444	20.000	ng	0.00
64) Phenanthrene-d10	17.445	188	169051	20.000	ng	# 0.00
76) Chrysene-d12	21.745	240	159358	20.000	ng	0.02
86) Perylene-d12	25.052	264	159114	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.590	112	95626	42.774	ng	0.01
7) Phenol-d6	7.200	99	134122	39.632	ng	0.00
23) Nitrobenzene-d5	9.203	82	100687	27.811	ng	0.00
42) 2,4,6-Tribromophenol	16.182	330	57700	39.082	ng	0.00
45) 2-Fluorobiphenyl	13.303	172	196282	28.434	ng	0.00
79) Terphenyl-d14	20.053	244	218799	24.937	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.901	128	40775	4.860	ng	98
37) 2-Methylnaphthalene	12.510	142	27925	4.418	ng	91
38) 1-Methylnaphthalene	12.727	142	27544m	4.637	ng	
46) 1,1'-Biphenyl	13.521	154	14765	2.064	ng	97
49) Acenaphthylene	14.413	152	70425	7.776	ng	98
52) Acenaphthene	14.748	154	55451	10.164	ng	91
55) Dibenzofuran	15.083	168	111535	12.603	ng	97
58) Fluorene	15.735	166	143385	19.933	ng	98
71) Phenanthrene	17.492	178	1615842	181.677	ng	98
72) Anthracene	17.580	178	364748	41.758	ng	98
73) Carbazole	17.844	167	88306	10.674	ng	98
75) Fluoranthene	19.512	202	2126486	194.297	ng	93
78) Pyrene	19.877	202	1748737	160.963	ng	# 91
81) Benzo(a)anthracene	21.721	228	913969	88.068	ng	97
83) Chrysene	21.792	228	728912m	73.476	ng	
87) Indeno(1,2,3-cd)pyrene	28.841	276	352347	30.706	ng	# 81
88) Benzo(b)fluoranthene	24.006	252	958106	91.812	ng	# 93
89) Benzo(k)fluoranthene	24.065	252	352371m	36.200	ng	
90) Benzo(a)pyrene	24.905	252	725223	76.792	ng	# 93
91) Dibenzo(a,h)anthracene	28.882	278	90895	9.400	ng	# 84
92) Benzo(g,h,i)perylene	30.033	276	308806	32.597	ng	99

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

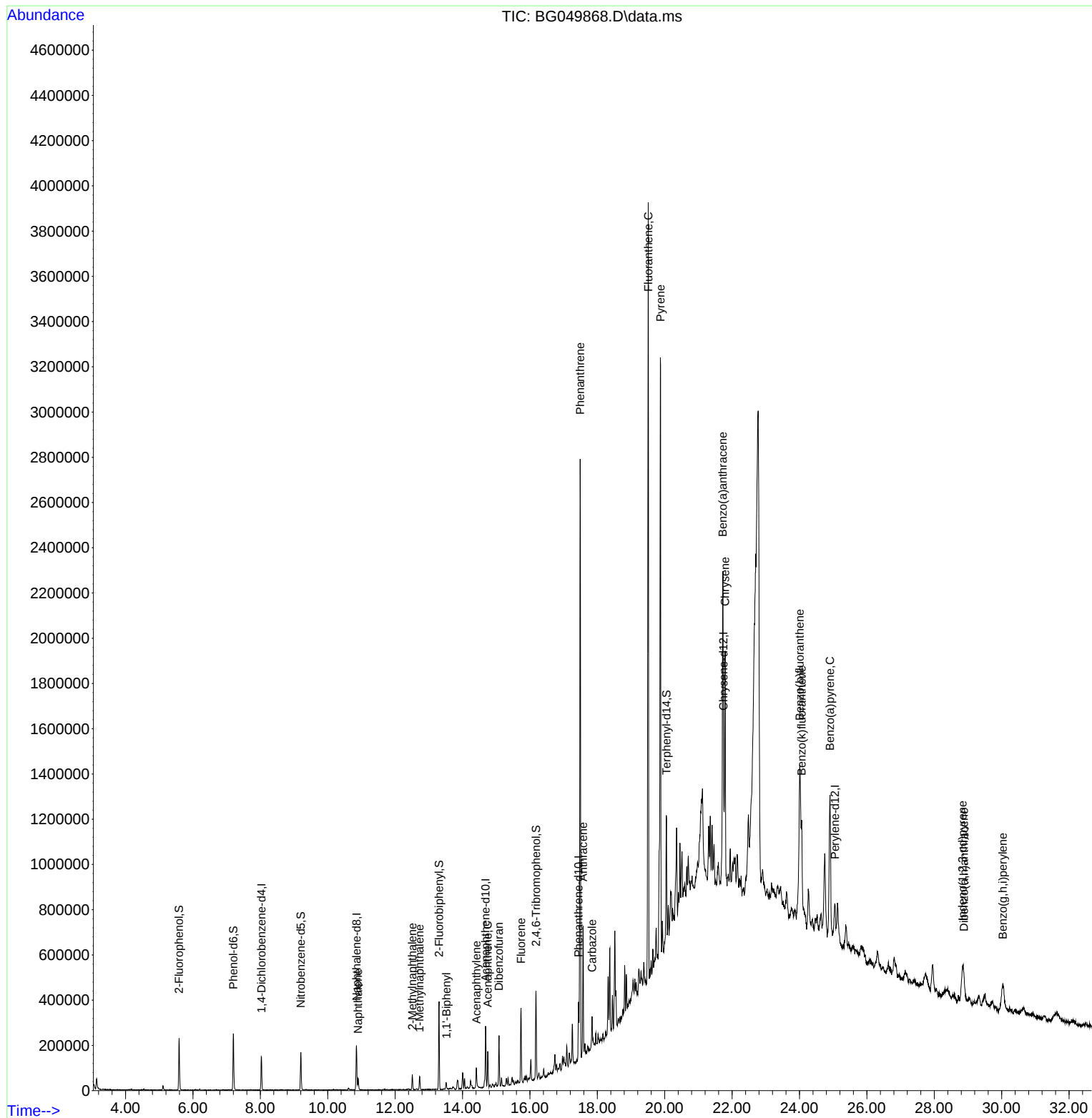
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Data File : BG049868.D
Acq On : 17 Aug 2021 3:20
Operator : CG/JU
Sample : M3407-14 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

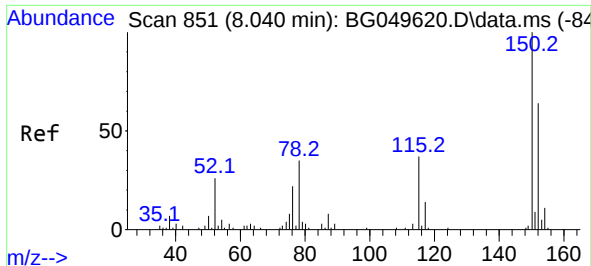
Instrument :
BNA_G
ClientSampled :
27N

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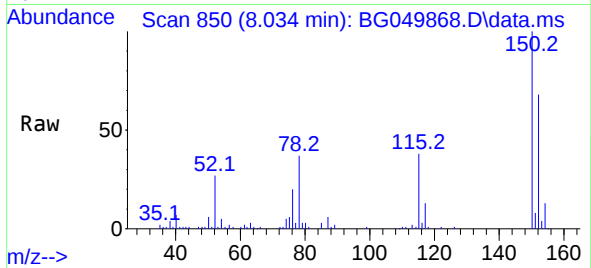
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Quant Time: Aug 17 04:45:24 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 16 18:23:02 2021
Response via : Initial Calibration

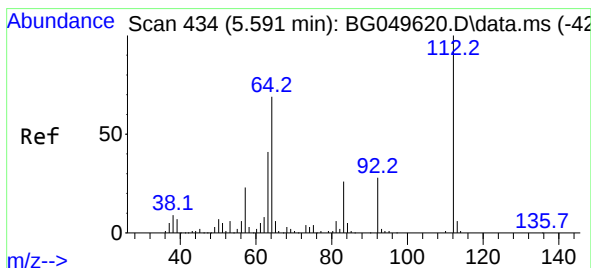
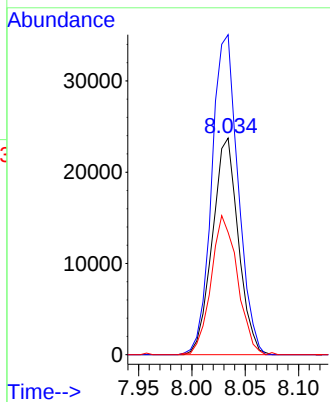
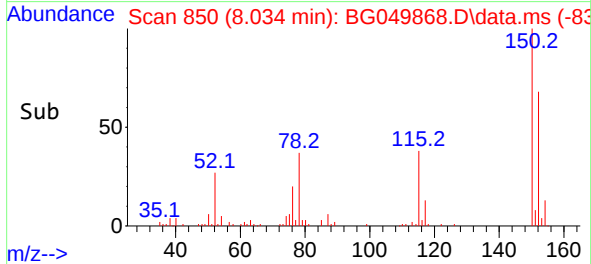




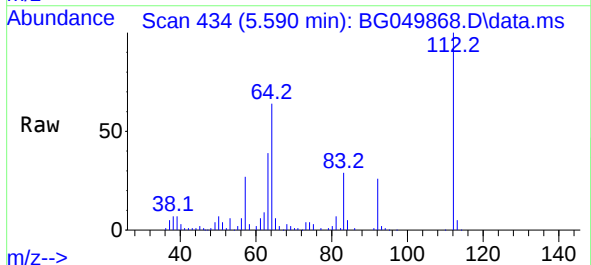
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.034 min Scan# 850
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20



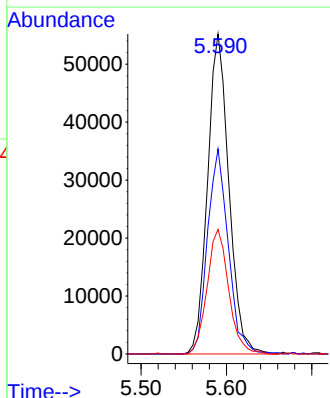
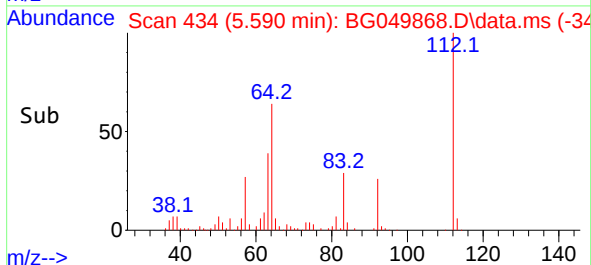
Tgt Ion:152 Resp: 40076
Ion Ratio Lower Upper
152 100
150 147.8 119.4 179.0
115 56.5 60.2 90.4#



#5
2-Fluorophenol
Concen: 42.774 ng
RT: 5.590 min Scan# 434
Delta R.T. 0.012 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20



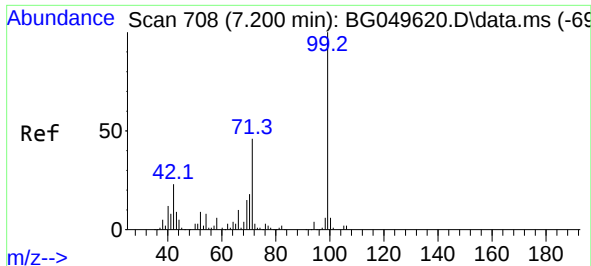
Tgt Ion:112 Resp: 95626
Ion Ratio Lower Upper
112 100
64 64.0 46.7 70.1
63 38.9 35.3 52.9



Instrument :
BNA_G
ClientSampled :
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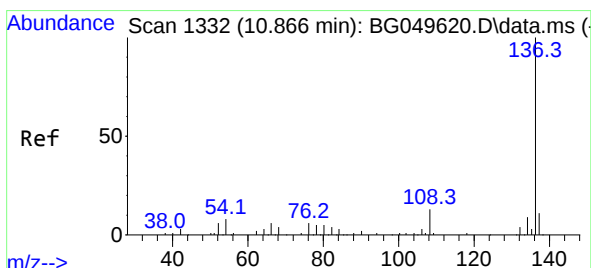
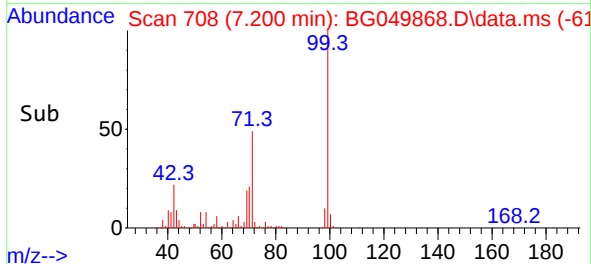
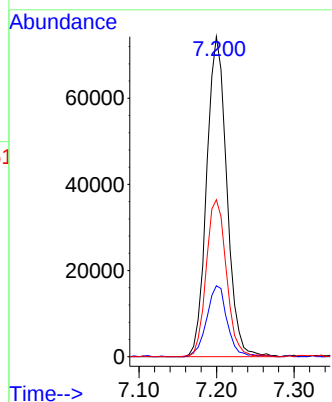
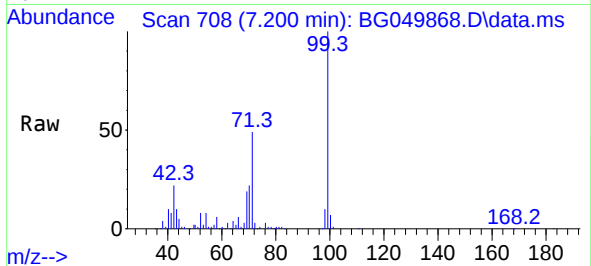
#7
Phenol-d6
Concen: 39.632 ng
RT: 7.200 min Scan# 708
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:	99	Resp:	134122
Ion	Ratio	Lower	Upper
99	100		
42	22.1	20.5	30.7
71	49.1	41.5	62.3

Instrument :
BNA_G
ClientSampled :
27N

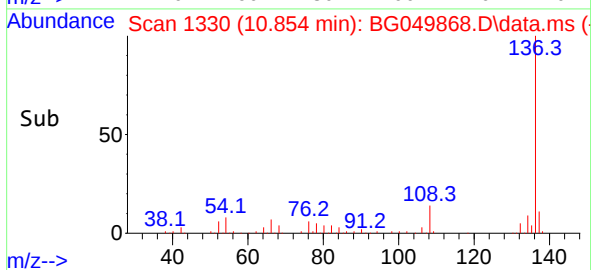
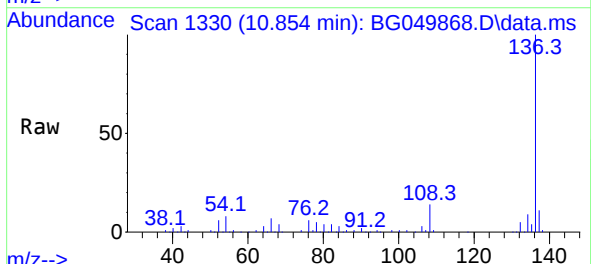
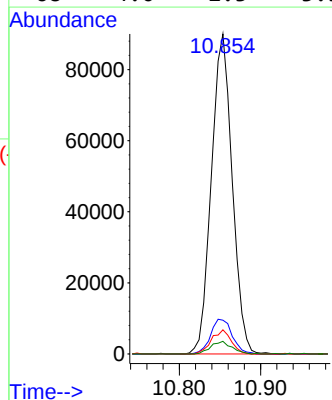
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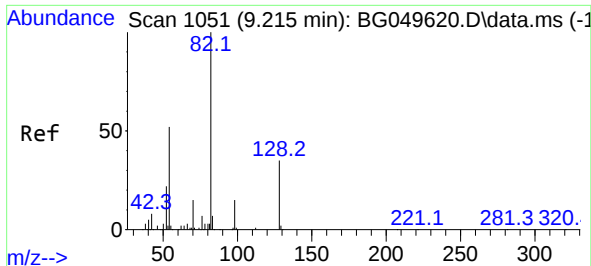
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.854 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:	136	Resp:	160207
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.2
54	7.6	5.5	8.3
68	4.0	2.3	3.5





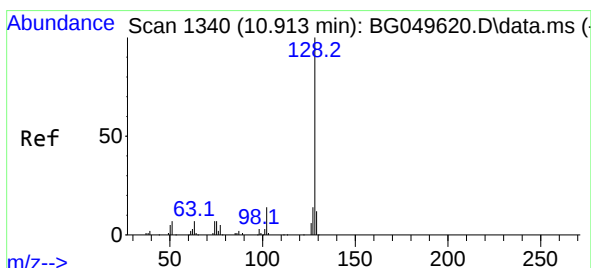
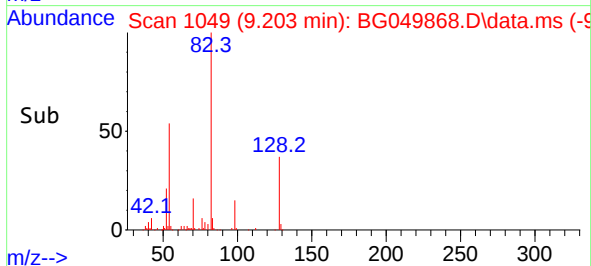
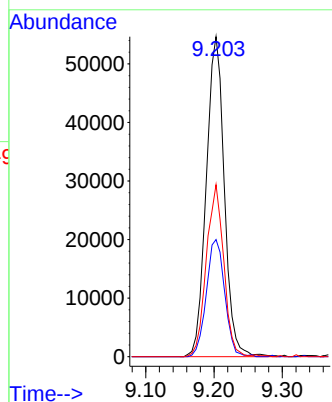
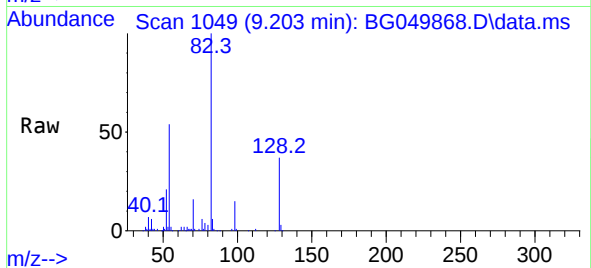
#23
Nitrobenzene-d5
Concen: 27.811 ng
RT: 9.203 min Scan# 1049
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Instrument :
BNA_G
ClientSampled :
27N

Tgt Ion: 82 Resp: 100687
Ion Ratio Lower Upper
82 100
128 36.6 29.8 44.6
54 53.8 45.8 68.8

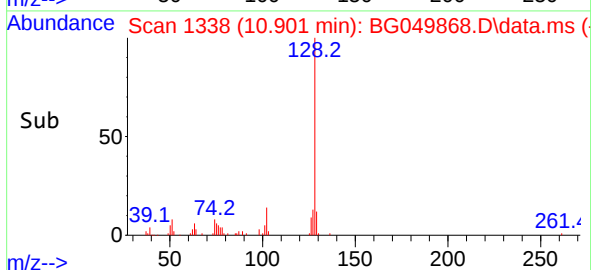
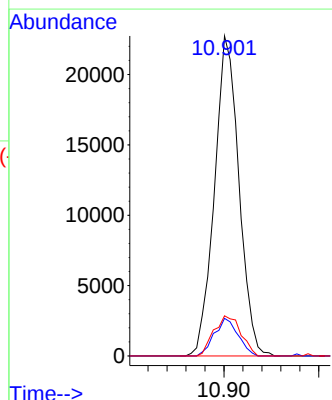
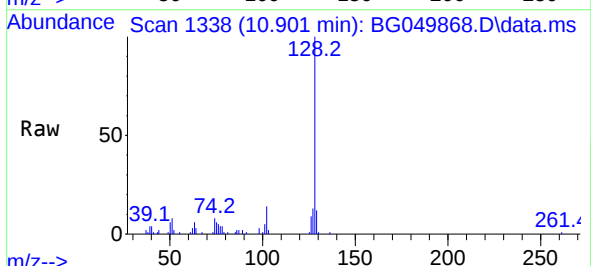
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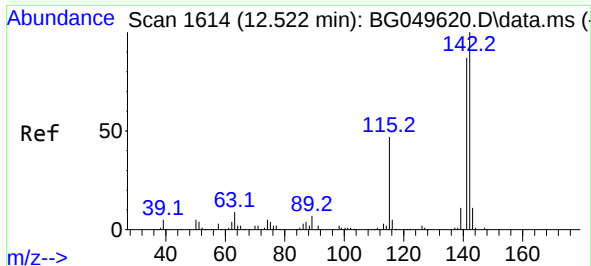
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#31
Naphthalene
Concen: 4.860 ng
RT: 10.901 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

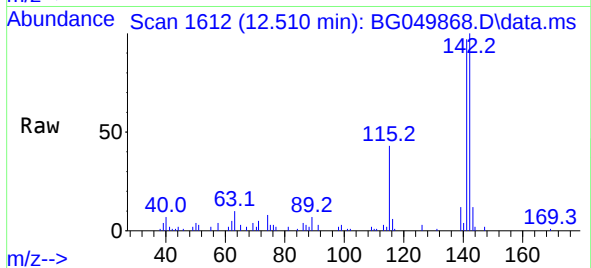
Tgt Ion: 128 Resp: 40775
Ion Ratio Lower Upper
128 100
129 11.8 8.5 12.7
127 12.6 10.2 15.4





#37
2-Methylnaphthalene
Concen: 4.418 ng
RT: 12.510 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

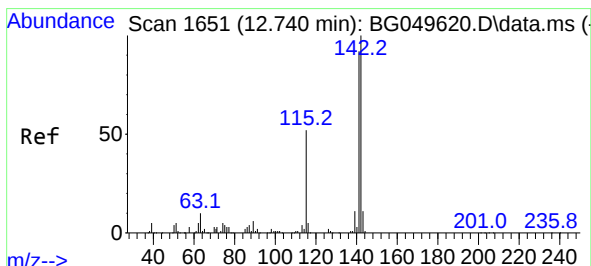
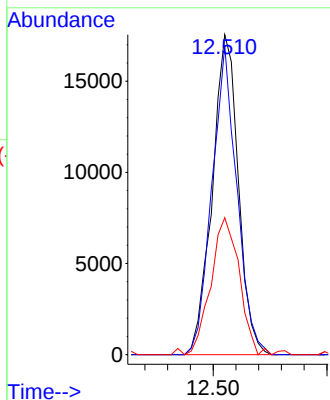
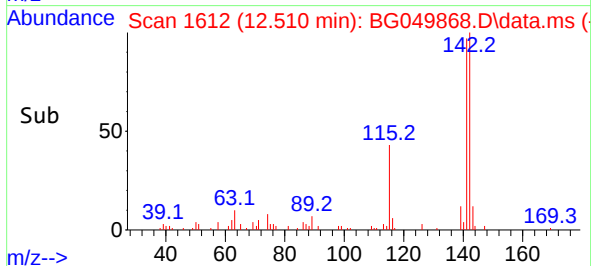
Instrument :
BNA_G
ClientSampled :
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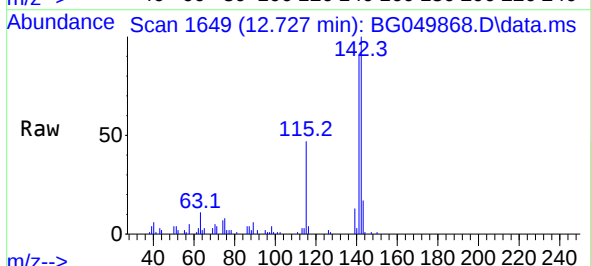
Tgt Ion:142 Resp: 27925
Ion Ratio Lower Upper
142 100
141 96.7 68.8 103.2
115 42.8 36.4 54.6

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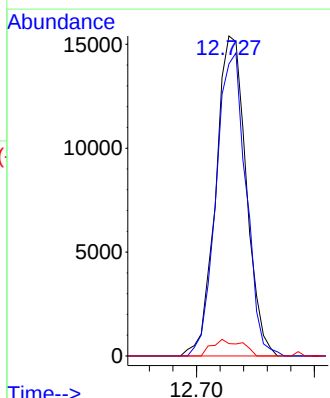
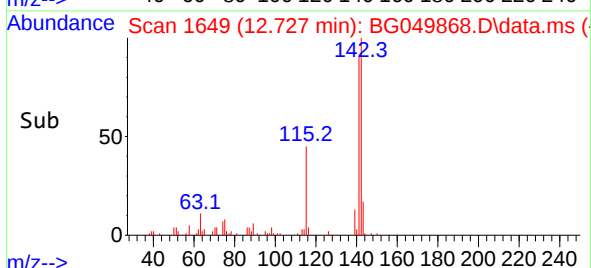
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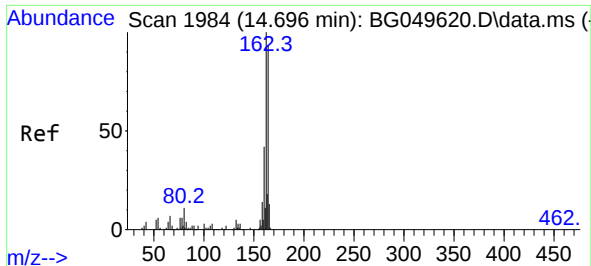


#38
1-Methylnaphthalene
Concen: 4.637 ng m
RT: 12.727 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20



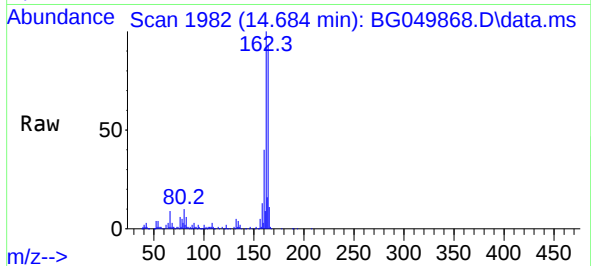
Tgt Ion:142 Resp: 27544
Ion Ratio Lower Upper
142 100
141 91.2 70.6 106.0
116 3.8 4.0 6.0#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.684 min Scan# 1982
Delta R.T. 0.000 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

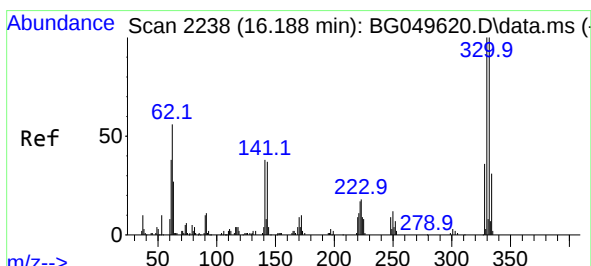
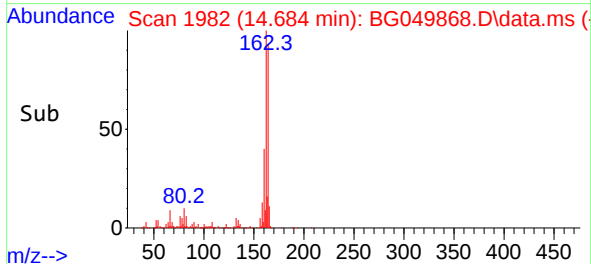
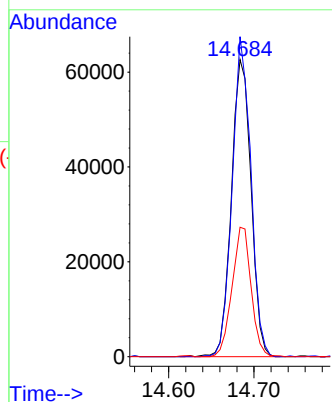
Instrument :
BNA_G
ClientSampled :
27N



Tgt Ion:164 Resp: 100444
Ion Ratio Lower Upper
164 100
162 107.7 81.4 122.0
160 43.6 34.9 52.3

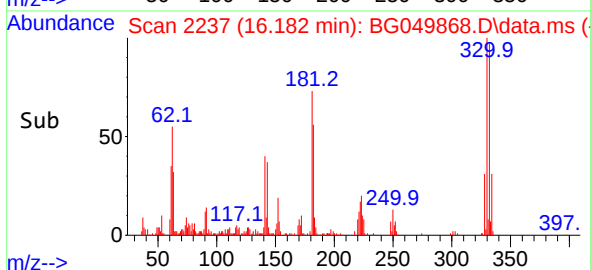
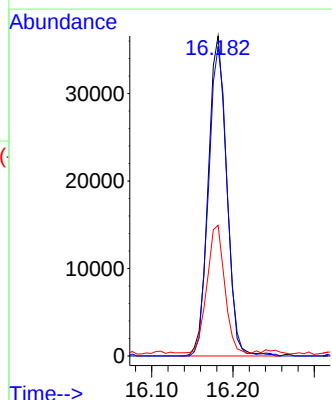
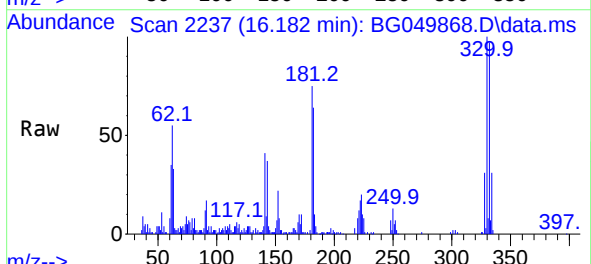
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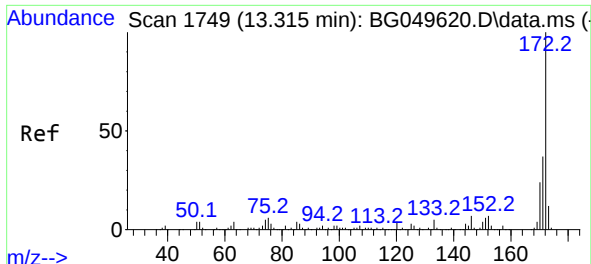
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#42
2,4,6-Tribromophenol
Concen: 39.082 ng
RT: 16.182 min Scan# 2237
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:330 Resp: 57700
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 39.2 35.6 53.4





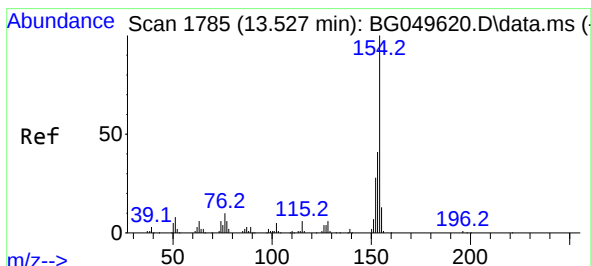
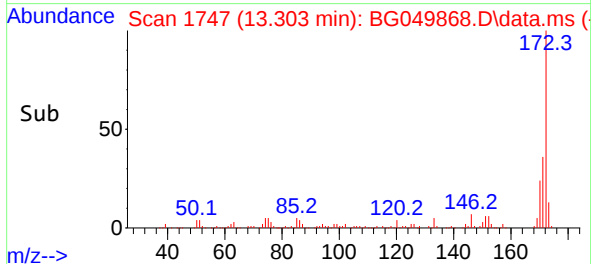
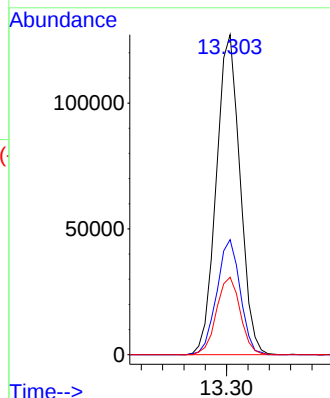
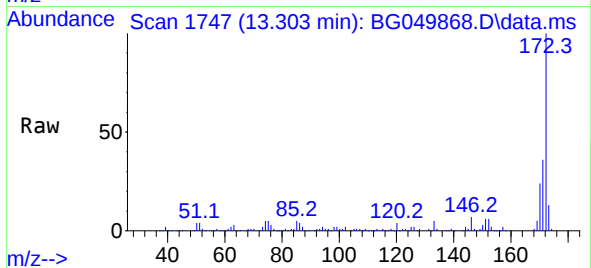
#45
2-Fluorobiphenyl
Concen: 28.434 ng
RT: 13.303 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Instrument :
BNA_G
ClientSampled :
27N

Tgt Ion:172 Resp: 196282
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.2 18.6 27.8

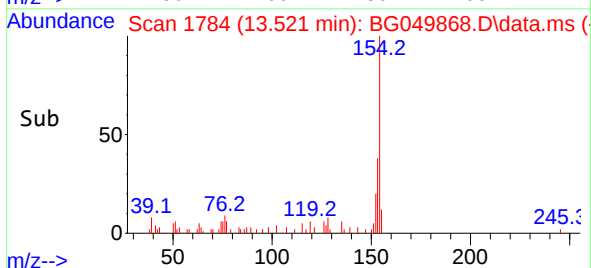
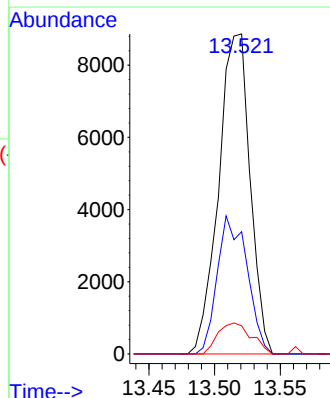
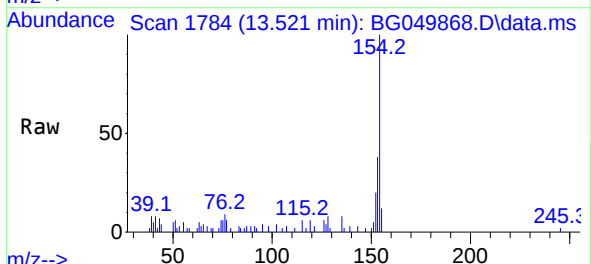
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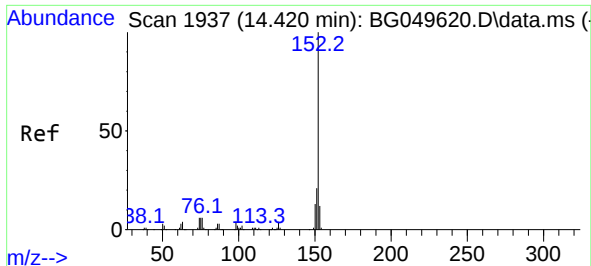
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#46
1,1'-Biphenyl
Concen: 2.064 ng
RT: 13.521 min Scan# 1784
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:154 Resp: 14765
Ion Ratio Lower Upper
154 100
153 38.2 20.5 60.5
76 8.8 0.0 29.3





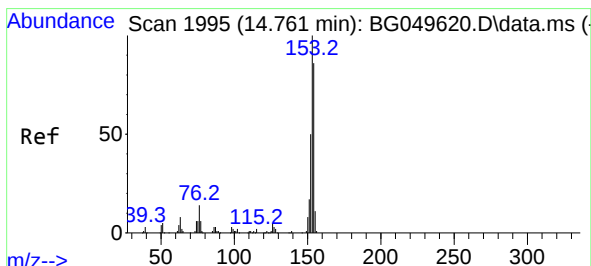
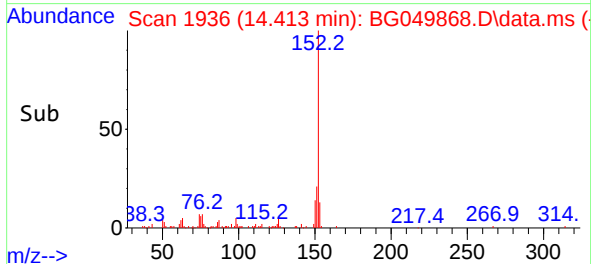
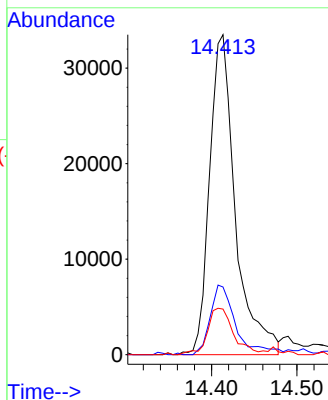
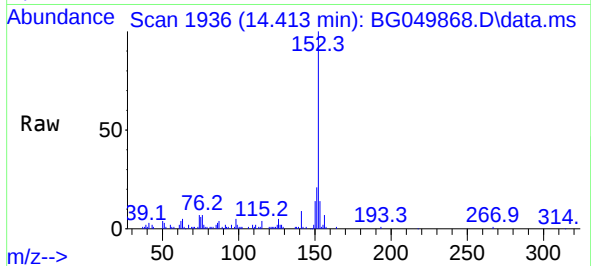
#49
Acenaphthylene
Concen: 7.776 ng
RT: 14.413 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:	152	Resp:	70425
Ion Ratio	Lower	Upper	
152	100		
151	21.1	18.2	27.4
153	14.3	11.7	17.5

Instrument :
BNA_G
ClientSampled :
27N

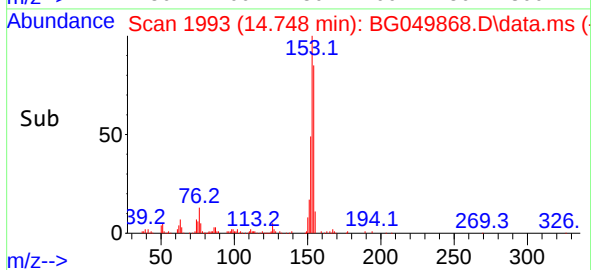
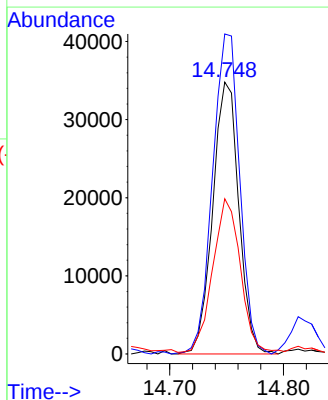
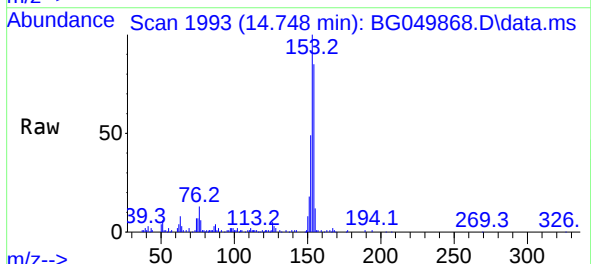
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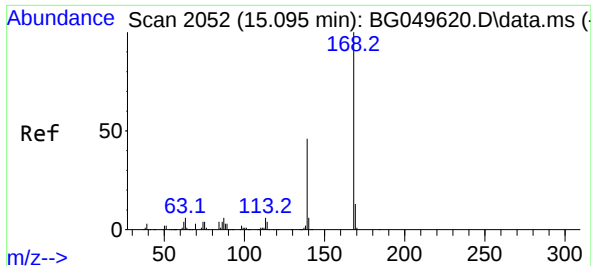
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#52
Acenaphthene
Concen: 10.164 ng
RT: 14.748 min Scan# 1993
Delta R.T. 0.000 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:	154	Resp:	55451
Ion Ratio	Lower	Upper	
154	100		
153	117.7	87.0	130.4
152	57.1	40.1	60.1





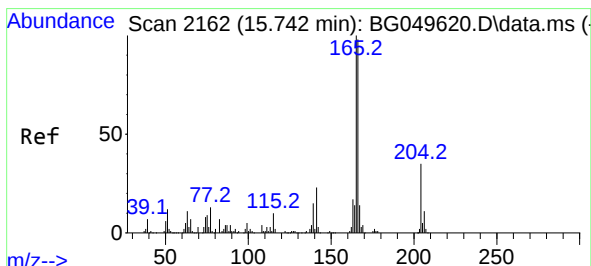
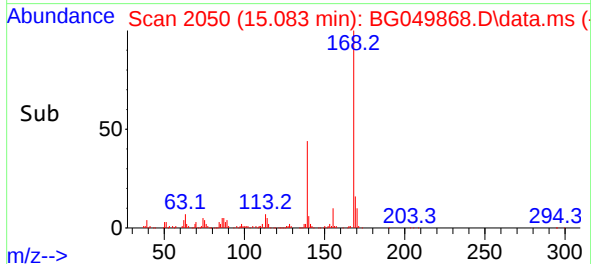
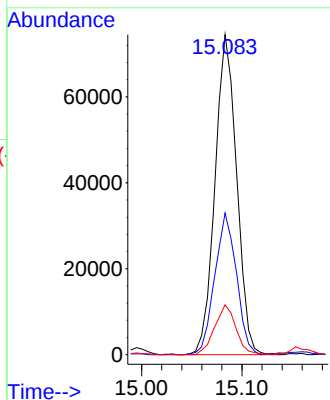
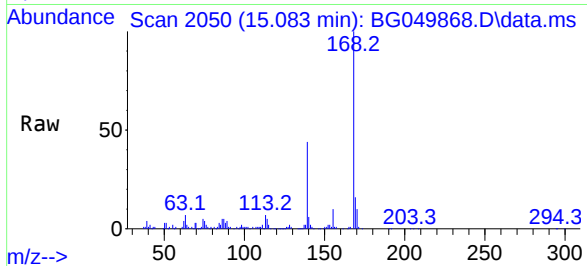
#55
Dibenzofuran
Concen: 12.603 ng
RT: 15.083 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:168 Resp: 111535
Ion Ratio Lower Upper
168 100
139 44.2 33.4 50.2
169 15.6 12.3 18.5

Instrument :
BNA_G
ClientSampled :
27N

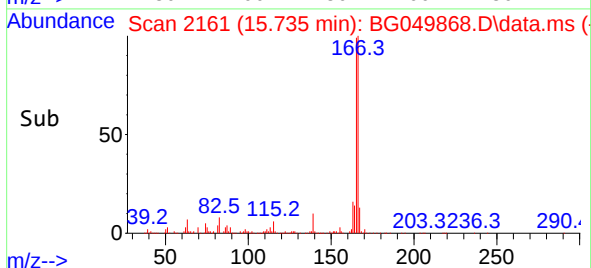
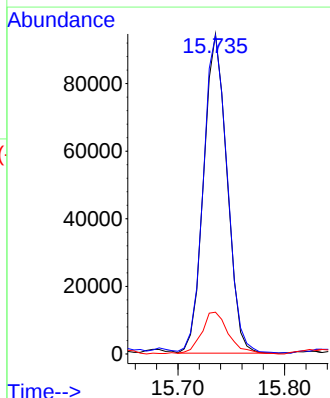
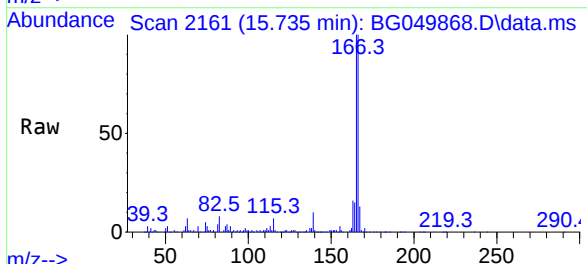
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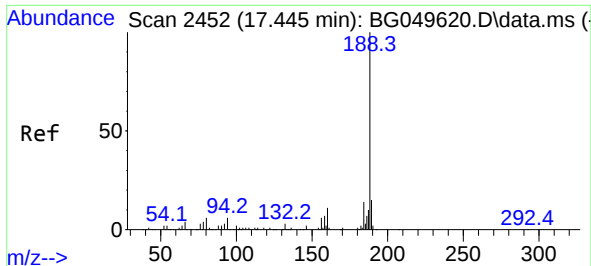
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#58
Fluorene
Concen: 19.933 ng
RT: 15.735 min Scan# 2161
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

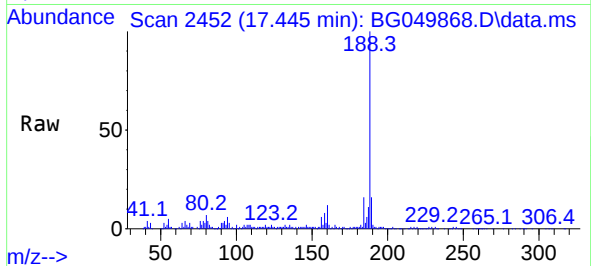
Tgt Ion:166 Resp: 143385
Ion Ratio Lower Upper
166 100
165 99.5 77.7 116.5
167 13.1 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.445 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

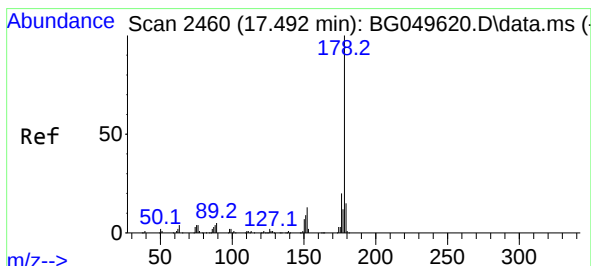
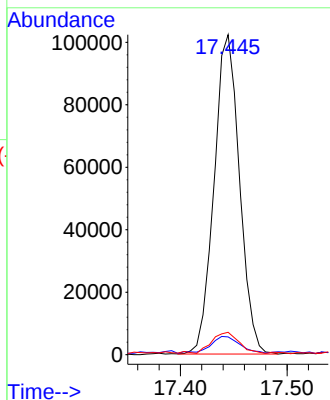
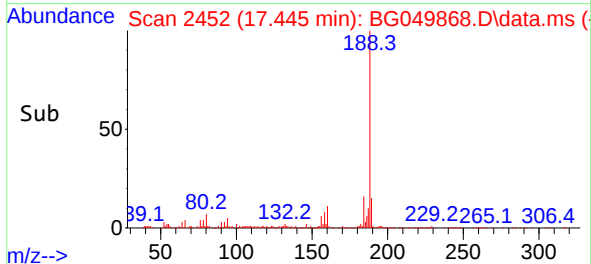
Instrument :
BNA_G
ClientSampled :
27N



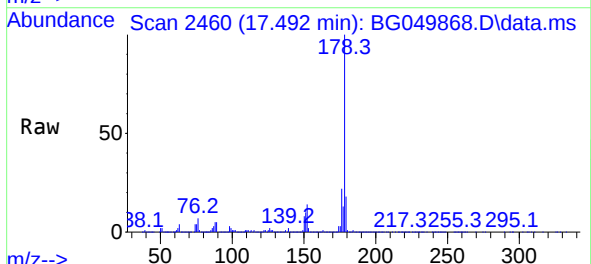
Tgt Ion:188 Resp: 169051
Ion Ratio Lower Upper
188 100
94 5.5 5.4 8.0
80 7.0 3.7 5.5#

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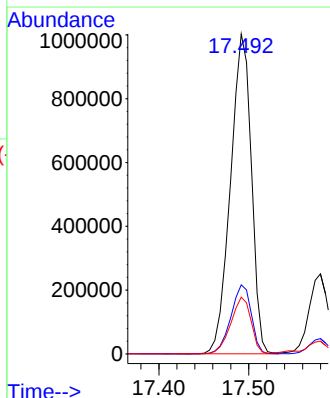
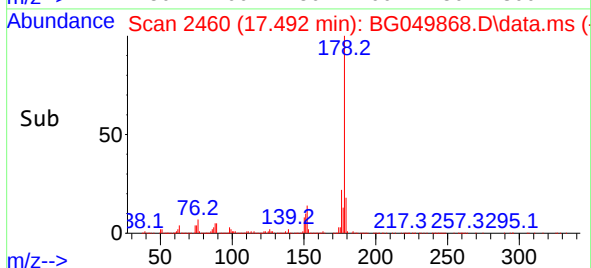
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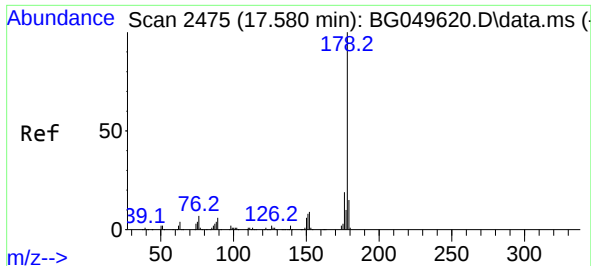


#71
Phenanthrene
Concen: 181.677 ng
RT: 17.492 min Scan# 2460
Delta R.T. 0.012 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

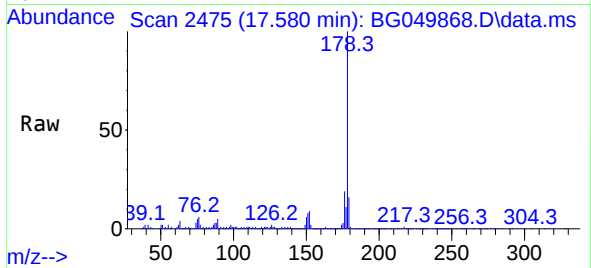


Tgt Ion:178 Resp: 1615842
Ion Ratio Lower Upper
178 100
176 21.6 16.0 24.0
179 17.8 14.2 21.4

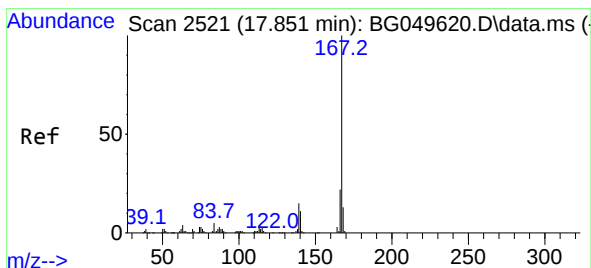
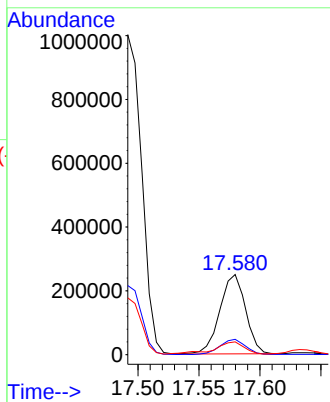
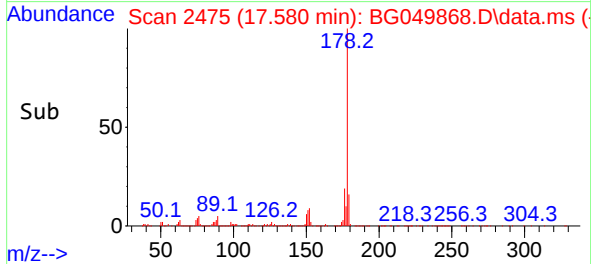




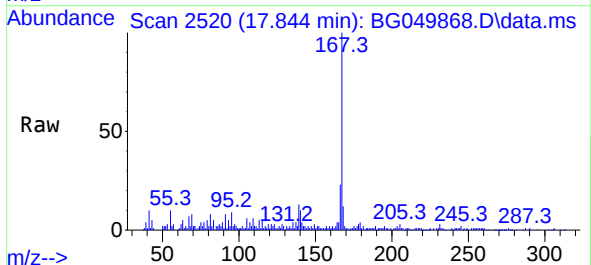
#72
 Anthracene
 Concen: 41.758 ng
 RT: 17.580 min Scan# 2475
 Delta R.T. 0.012 min
 Lab File: BG049868.D
 Acq: 17 Aug 2021 3:20



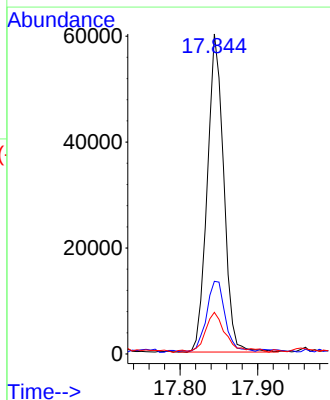
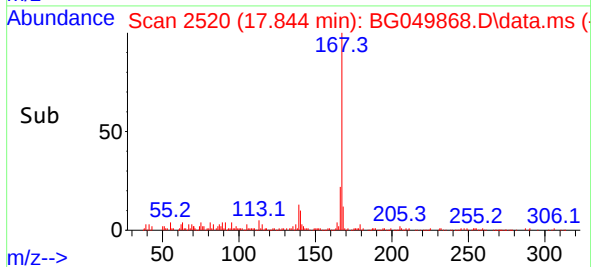
Tgt Ion:178 Resp: 364748
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.6 21.8
 179 16.0 13.4 20.0



#73
 Carbazole
 Concen: 10.674 ng
 RT: 17.844 min Scan# 2520
 Delta R.T. 0.006 min
 Lab File: BG049868.D
 Acq: 17 Aug 2021 3:20



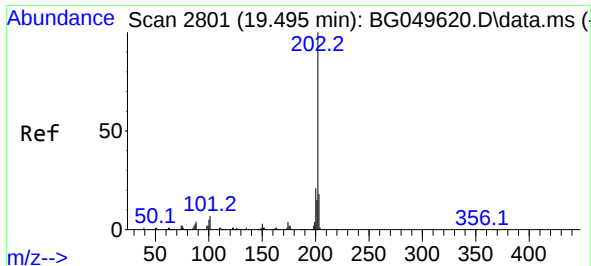
Tgt Ion:167 Resp: 88306
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.4 26.2
 139 13.0 10.7 16.1



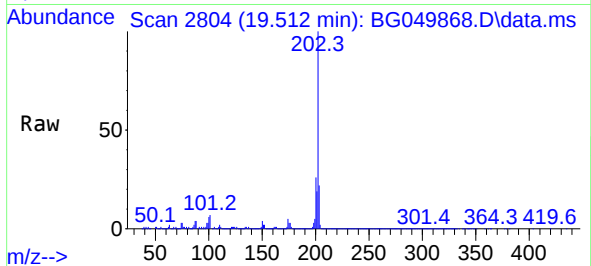
Instrument :
 BNA_G
 ClientSampled :
 27N

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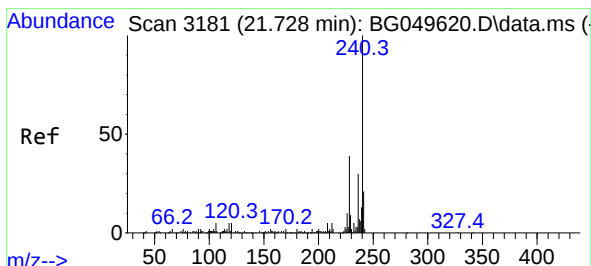
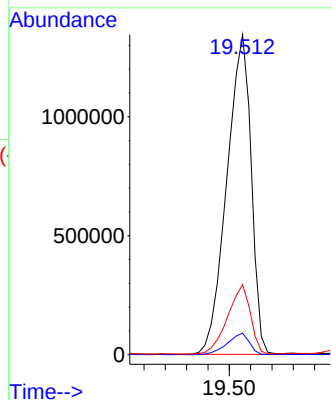
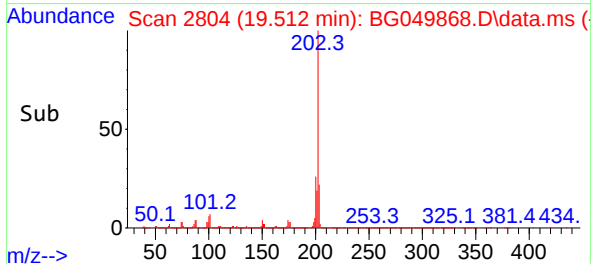
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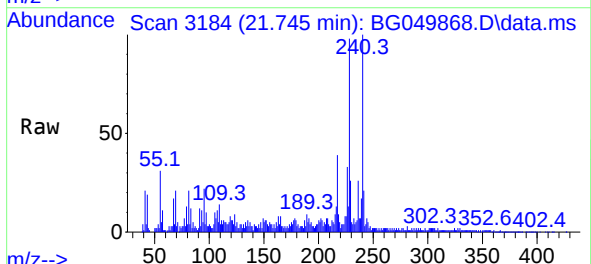
#75
Fluoranthene
Concen: 194.297 ng
RT: 19.512 min Scan# 2804
Delta R.T. 0.024 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20



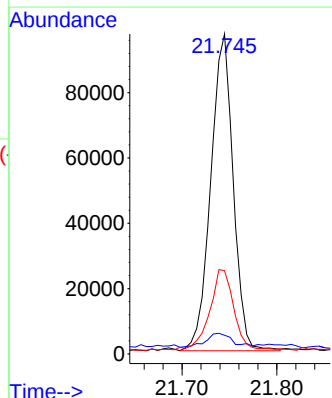
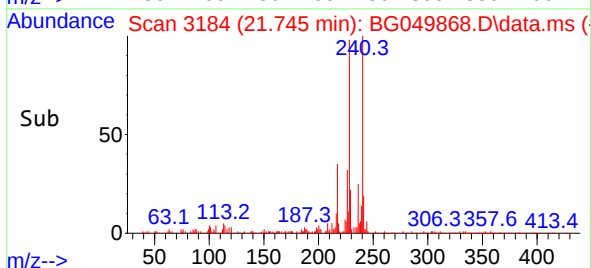
Tgt Ion:202 Resp: 2126486
Ion Ratio Lower Upper
202 100
101 6.7 0.0 24.7
203 21.9 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.745 min Scan# 3184
Delta R.T. 0.024 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20



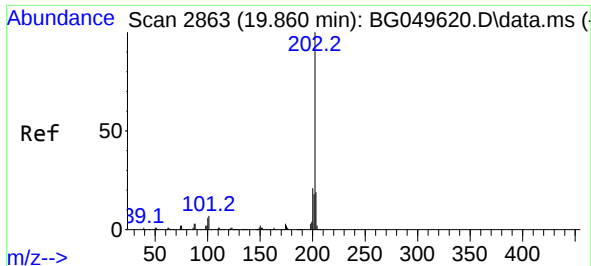
Tgt Ion:240 Resp: 159358
Ion Ratio Lower Upper
240 100
120 5.9 4.2 6.2
236 26.0 21.8 32.6



Instrument :
BNA_G
ClientSampled :
27N

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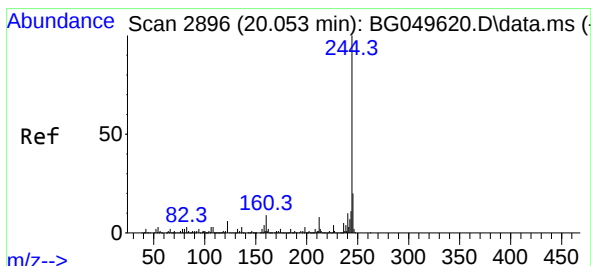
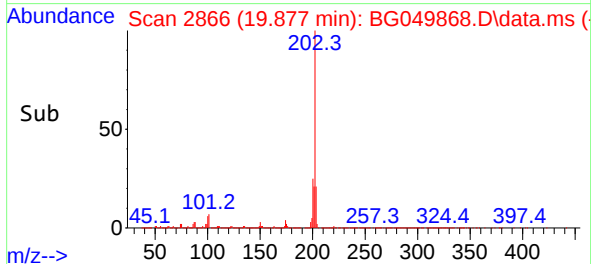
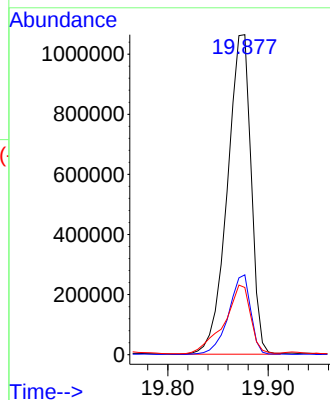
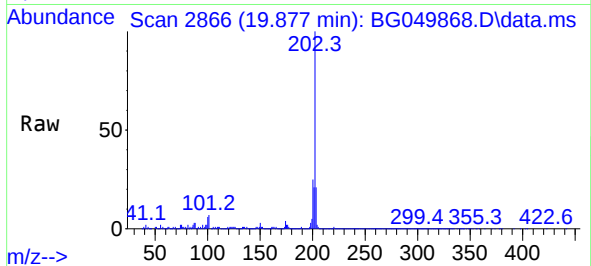
#78
Pyrene
Concen: 160.963 ng
RT: 19.877 min Scan# 2866
Delta R.T. 0.024 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:202 Resp: 1748737
Ion Ratio Lower Upper
202 100
200 24.9 15.8 23.8#
203 21.0 14.6 21.8

Instrument :
BNA_G
ClientSampled :
27N

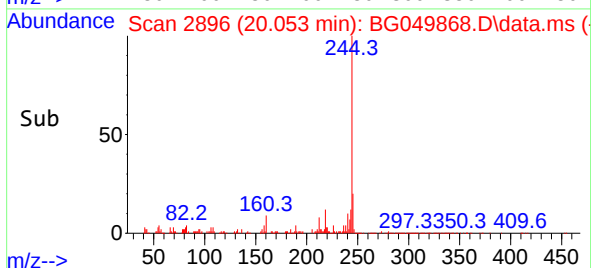
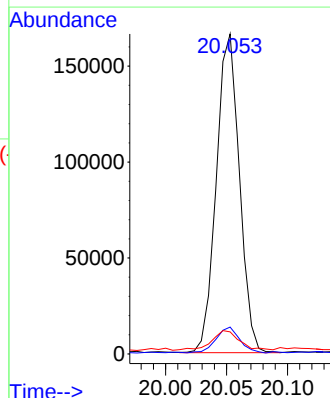
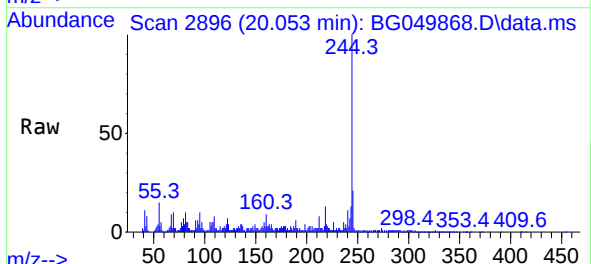
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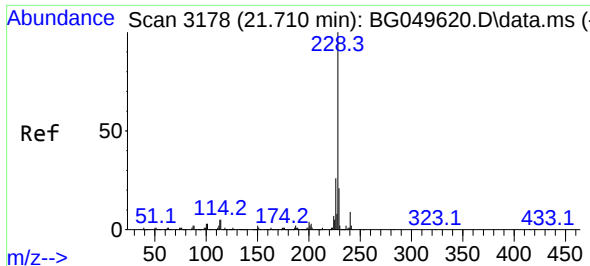
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#79
Terphenyl-d14
Concen: 24.937 ng
RT: 20.053 min Scan# 2896
Delta R.T. 0.006 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:244 Resp: 218799
Ion Ratio Lower Upper
244 100
212 8.4 6.9 10.3
122 6.9 5.0 7.6





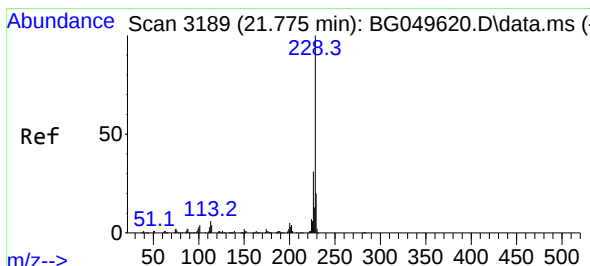
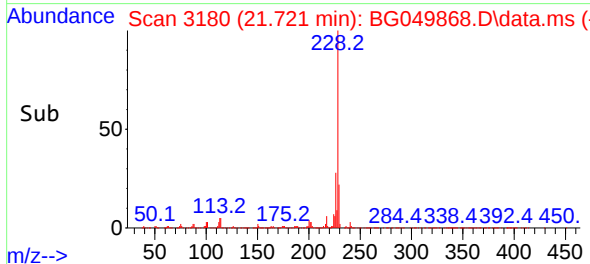
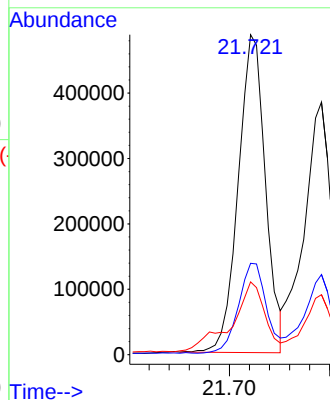
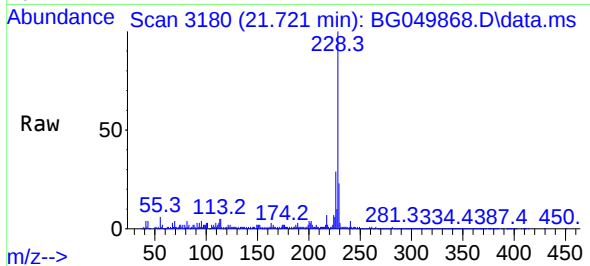
#81
Benzo(a)anthracene
Concen: 88.068 ng
RT: 21.721 min Scan# 3180
Delta R.T. 0.024 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:228 Resp: 913969
Ion Ratio Lower Upper
228 100
226 28.6 22.7 34.1
229 22.7 16.0 24.0

Instrument :
BNA_G
ClientSampled :
27N

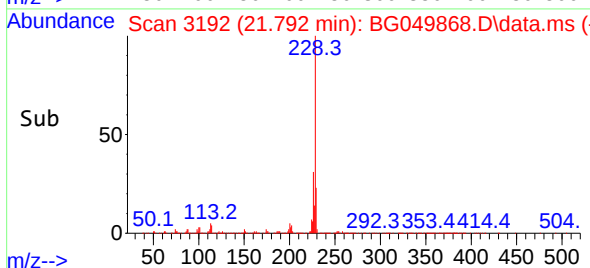
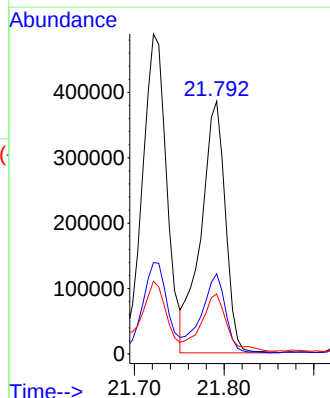
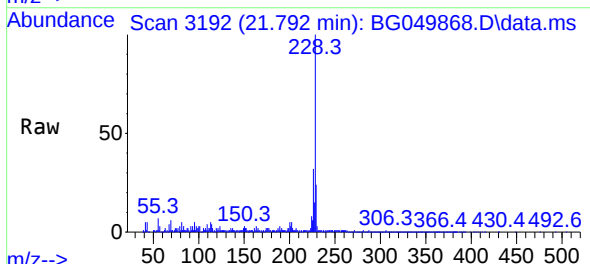
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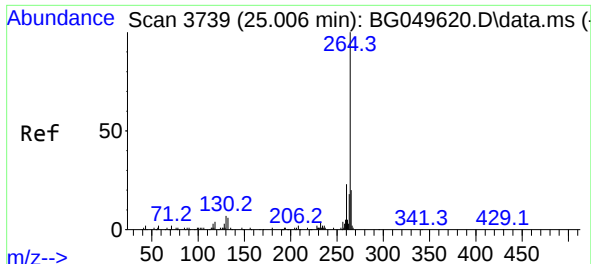
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#83
Chrysene
Concen: 73.476 ng m
RT: 21.792 min Scan# 3192
Delta R.T. 0.024 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

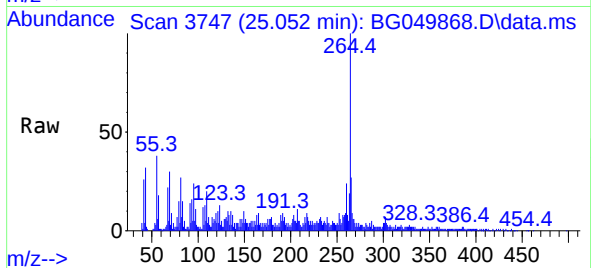
Tgt Ion:228 Resp: 728912
Ion Ratio Lower Upper
228 100
226 31.7 23.1 34.7
229 23.7 15.3 22.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.052 min Scan# 3747
Delta R.T. 0.065 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

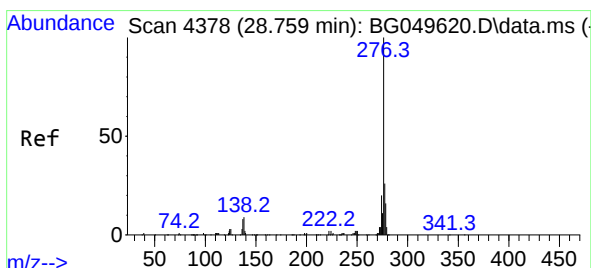
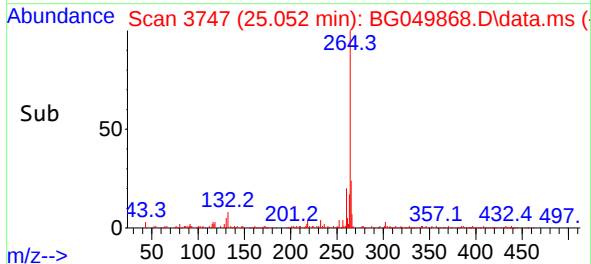
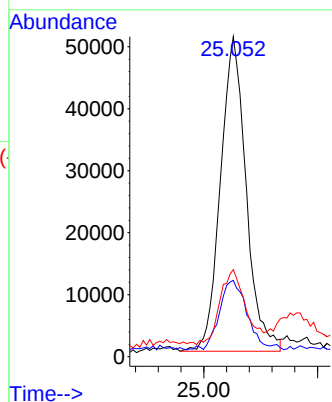
Instrument :
BNA_G
ClientSampled :
27N



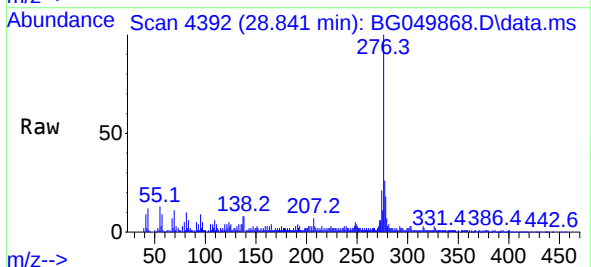
Tgt Ion:264 Resp: 159114
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 27.2 16.9 25.3#

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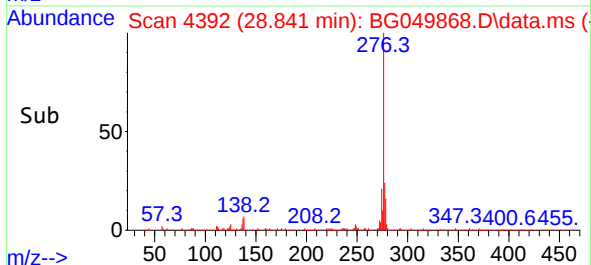
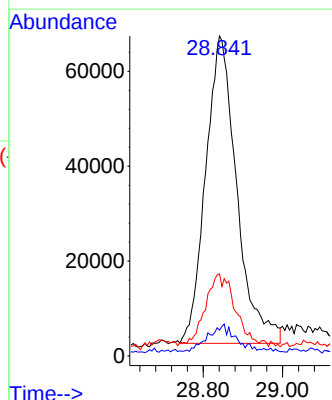
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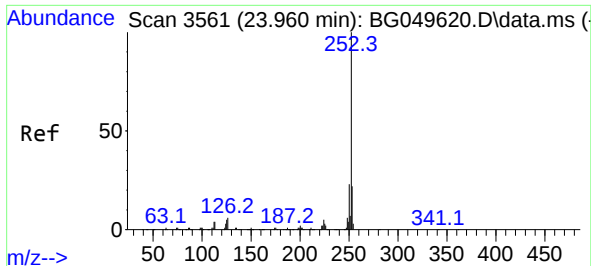


#87
Indeno(1,2,3-cd)pyrene
Concen: 30.706 ng
RT: 28.841 min Scan# 4392
Delta R.T. 0.106 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

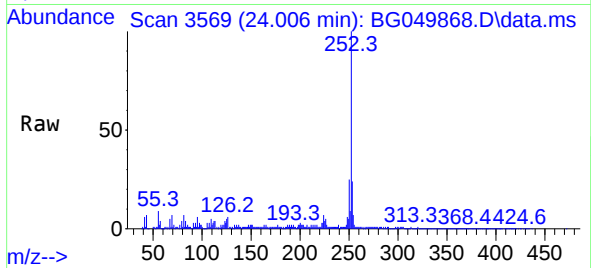


Tgt Ion:276 Resp: 352347
Ion Ratio Lower Upper
276 100
138 6.8 5.1 7.7
277 12.7 19.8 29.6#

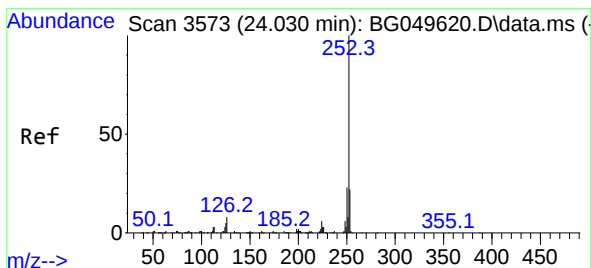
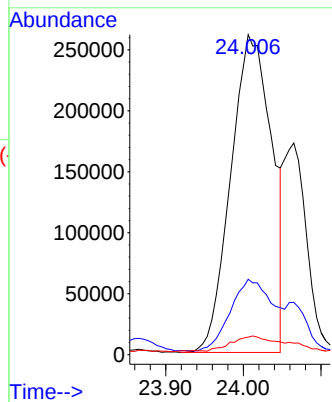
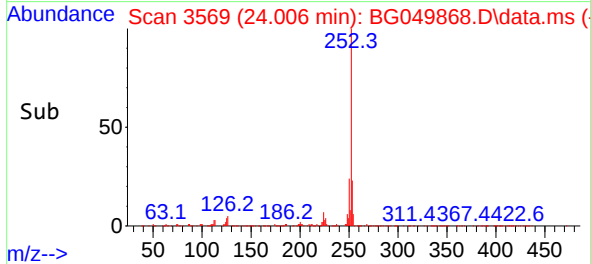




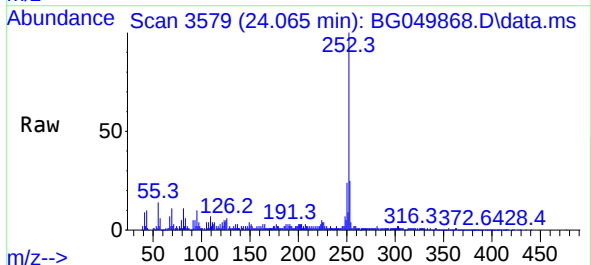
#88
Benzo(b)fluoranthene
Concen: 91.812 ng
RT: 24.006 min Scan# 3569
Delta R.T. 0.053 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20



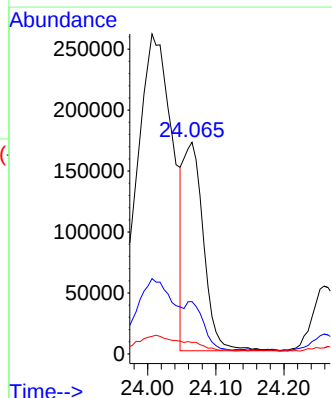
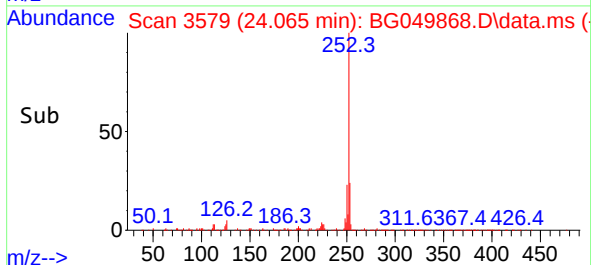
Tgt Ion:252 Resp: 958106
Ion Ratio Lower Upper
252 100
253 23.6 16.2 24.4
125 5.5 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 36.200 ng m
RT: 24.065 min Scan# 3579
Delta R.T. 0.047 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20



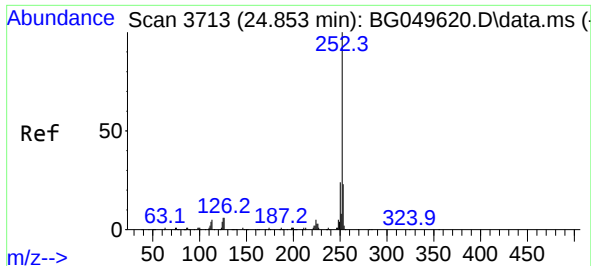
Tgt Ion:252 Resp: 352371
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 5.4 3.1 4.7#



Instrument :
BNA_G
ClientSampled :
27N

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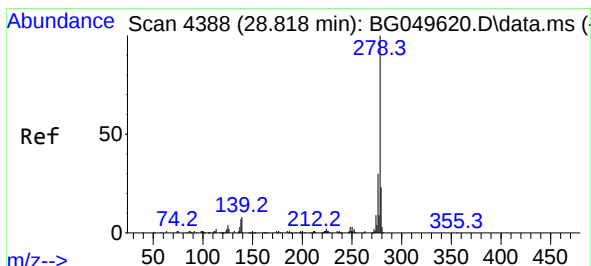
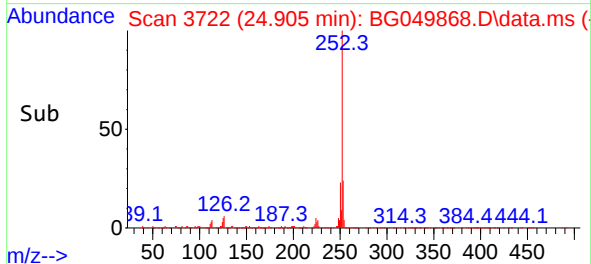
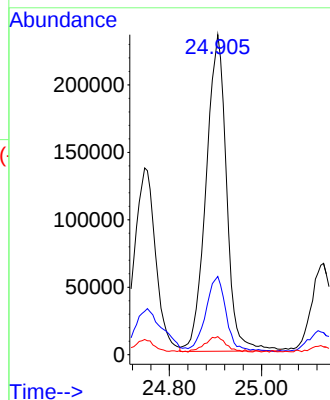
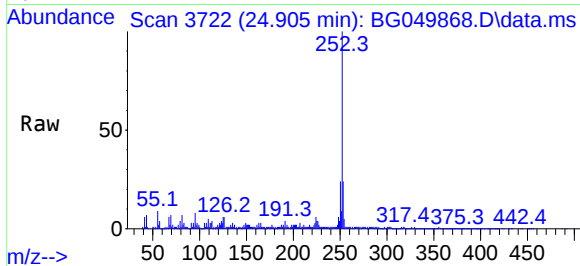
#90
Benzo(a)pyrene
Concen: 76.792 ng
RT: 24.905 min Scan# 3722
Delta R.T. 0.065 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:252 Resp: 725223
Ion Ratio Lower Upper
252 100
253 24.5 16.6 25.0
125 5.7 3.5 5.3#

Instrument :
BNA_G
ClientSampled :
27N

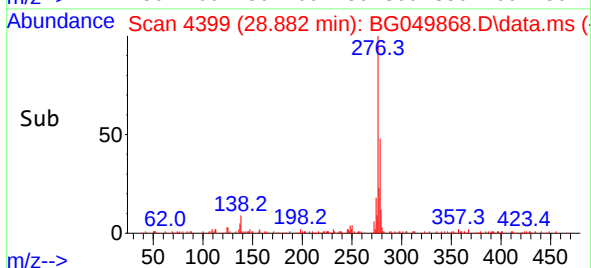
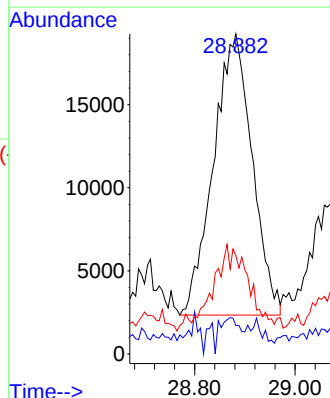
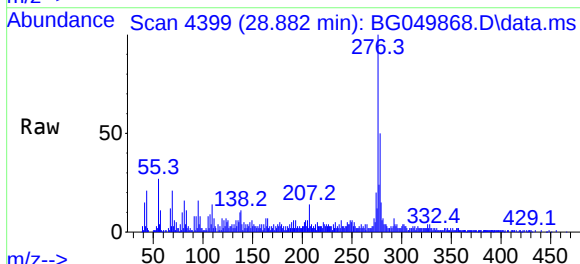
Manual Integrations
APPROVED

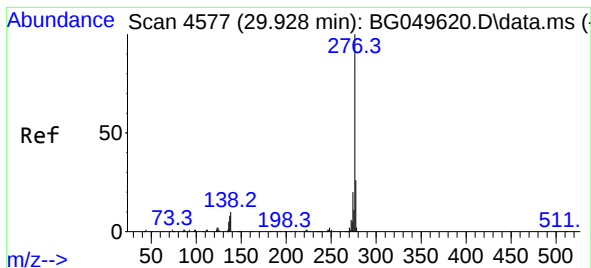
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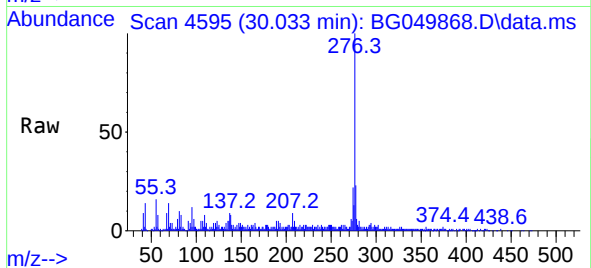
#91
Dibenzo(a,h)anthracene
Concen: 9.400 ng
RT: 28.882 min Scan# 4399
Delta R.T. 0.082 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20

Tgt Ion:278 Resp: 90895
Ion Ratio Lower Upper
278 100
139 8.9 4.6 6.8#
279 30.7 17.9 26.9#

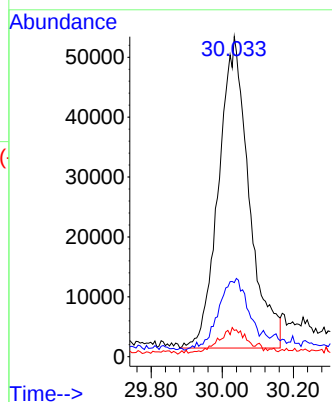
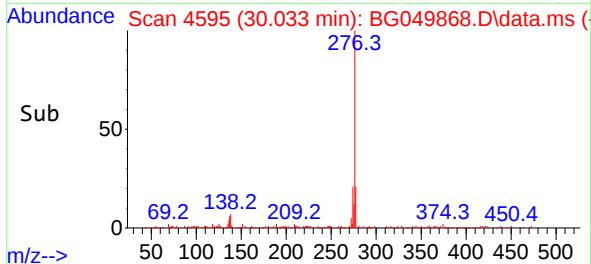




#92
Benzo(g,h,i)perylene
Concen: 32.597 ng
RT: 30.033 min Scan# 4595
Delta R.T. 0.118 min
Lab File: BG049868.D
Acq: 17 Aug 2021 3:20



Tgt Ion: 276 Resp: 308806
Ion Ratio Lower Upper
276 100
277 23.2 18.4 27.6
138 8.2 7.0 10.6



Instrument :
BNA_G
ClientSampleId :
27N

Manual Integrations
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