

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050699.D
 Acq On : 22 Oct 2021 21:42
 Operator : CG/JU
 Sample : M4285-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-GA-(1)

Manual Integrations
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Quant Time: Oct 23 01:45:46 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.250	152	49533	20.000	ng	0.00
21) Naphthalene-d8	11.076	136	213633	20.000	ng	# 0.00
39) Acenaphthene-d10	14.871	164	127764	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	238716	20.000	ng	# 0.00
76) Chrysene-d12	21.922	240	195946	20.000	ng	# 0.00
86) Perylene-d12	25.342	264	196883	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	344353	103.969	ng	0.00
7) Phenol-d6	7.398	99	463073	96.569	ng	0.00
23) Nitrobenzene-d5	9.425	82	354028	68.600	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	107824	88.479	ng	0.00
45) 2-Fluorobiphenyl	13.497	172	621360	73.195	ng	0.00
79) Terphenyl-d14	20.206	244	713375	70.950	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.129	128	70630	6.177	ng	99
37) 2-Methylnaphthalene	12.715	142	34001	4.309	ng	89
38) 1-Methylnaphthalene	12.933	142	35921	4.695	ng	93
49) Acenaphthylene	14.601	152	42929	3.661	ng	95
52) Acenaphthene	14.930	154	115691	15.355	ng	89
55) Dibenzofuran	15.265	168	135162	11.599	ng	96
58) Fluorene	15.911	166	168985	18.880	ng	95
71) Phenanthrene	17.668	178	1803777	143.392	ng	96
72) Anthracene	17.750	178	469750	37.579	ng	98
73) Carbazole	18.015	167	158422	12.716	ng	99
75) Fluoranthene	19.666	202	2107974	136.322	ng	88
78) Pyrene	20.024	202	1737896	125.007	ng	# 90
81) Benzo(a)anthracene	21.898	228	905930	69.872	ng	97
83) Chrysene	21.975	228	789041m	64.697	ng	
87) Indeno(1,2,3-cd)pyrene	29.266	276	385799	28.134	ng	# 90
88) Benzo(b)fluoranthene	24.255	252	1000722	82.995	ng	# 92
89) Benzo(k)fluoranthene	24.319	252	348865m	29.410	ng	
90) Benzo(a)pyrene	25.183	252	721694	70.397	ng	# 93
91) Dibenzo(a,h)anthracene	29.307	278	84048	7.410	ng	# 91
92) Benzo(g,h,i)perylene	30.500	276	342992	30.876	ng	# 90

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

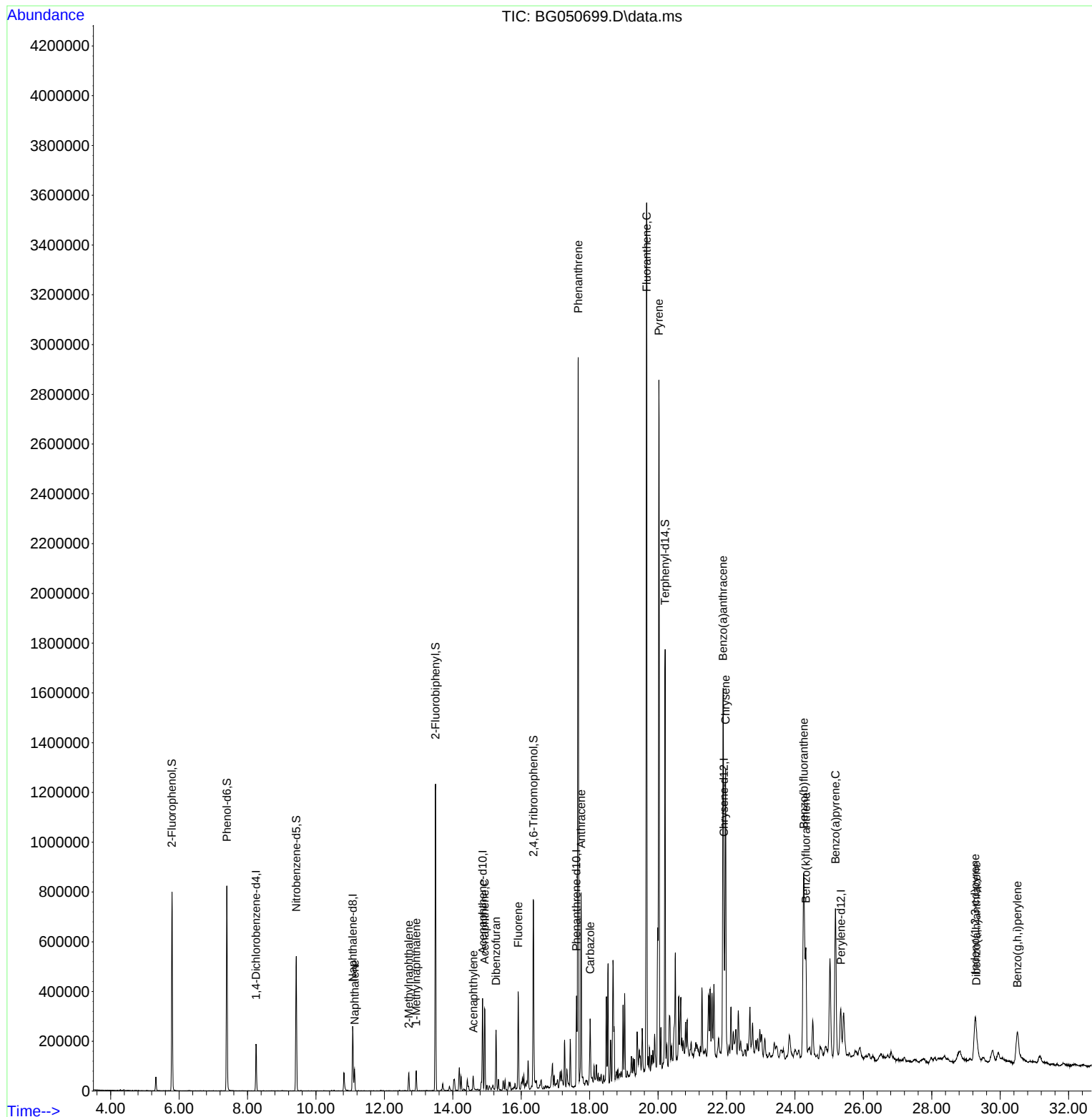
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050699.D
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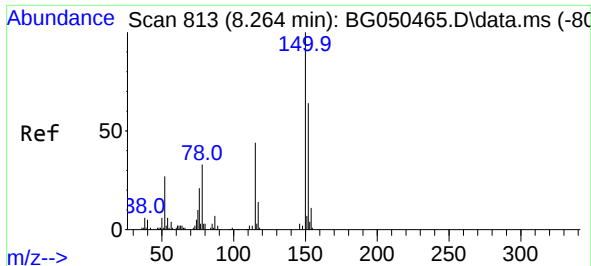
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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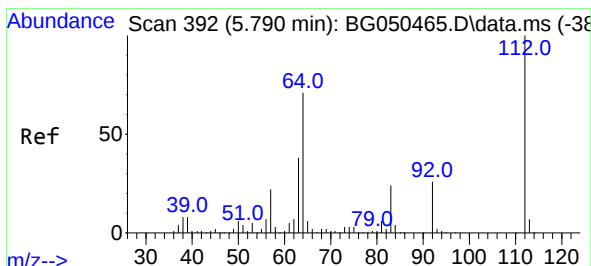
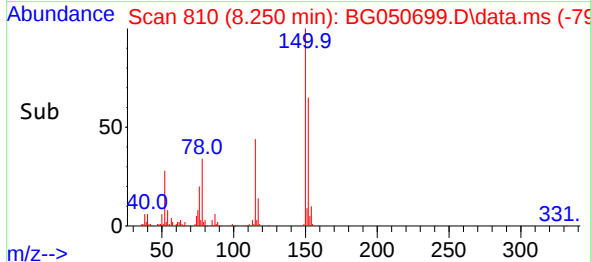
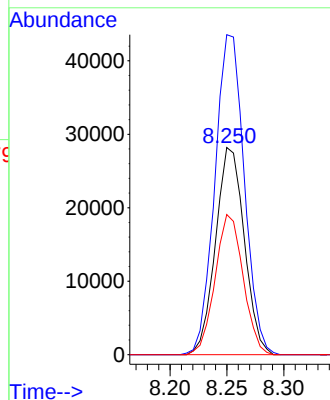
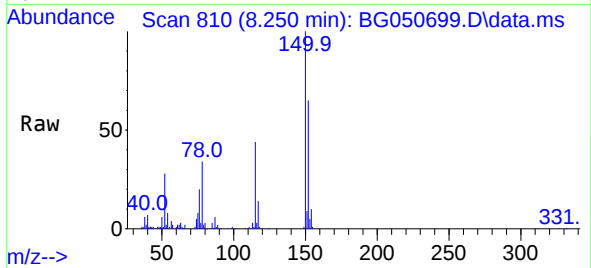
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.250 min Scan# 810
Delta R.T. -0.008 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:152 Resp: 49533
Ion Ratio Lower Upper
152 100
150 154.4 119.4 179.0
115 67.7 60.2 90.4

Instrument :
BNA_G
ClientSampleId :
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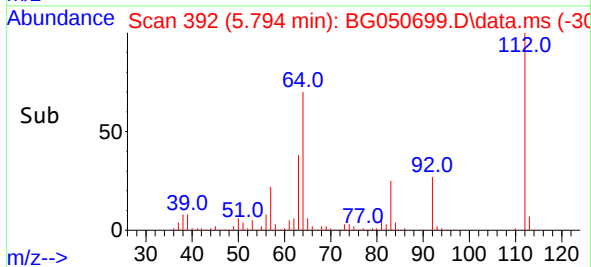
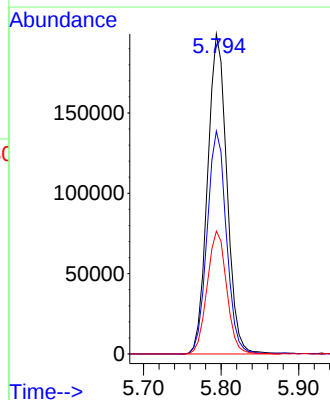
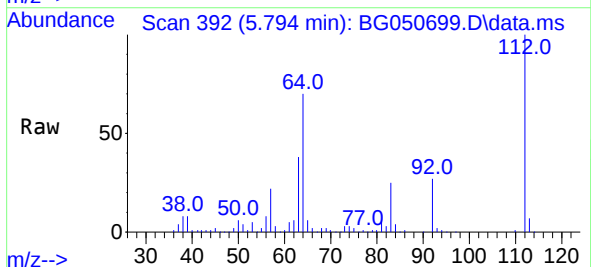
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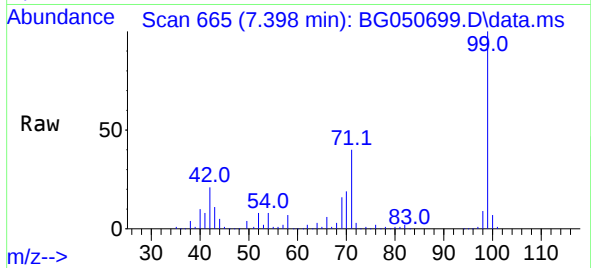
#5
2-Fluorophenol
Concen: 103.969 ng
RT: 5.794 min Scan# 392
Delta R.T. 0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:112 Resp: 344353
Ion Ratio Lower Upper
112 100
64 69.6 46.7 70.1
63 38.4 35.3 52.9

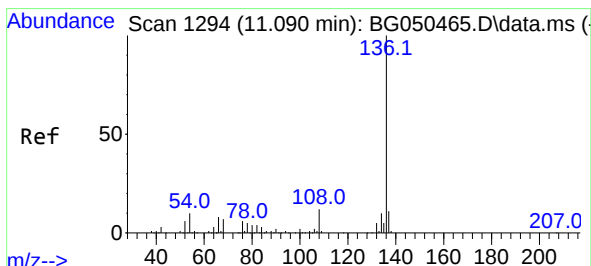
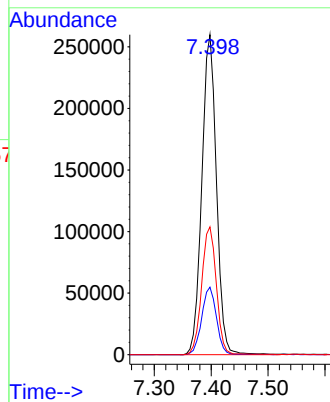
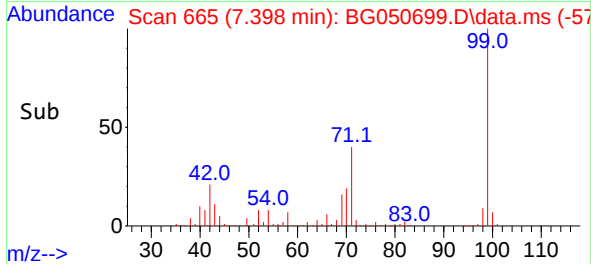




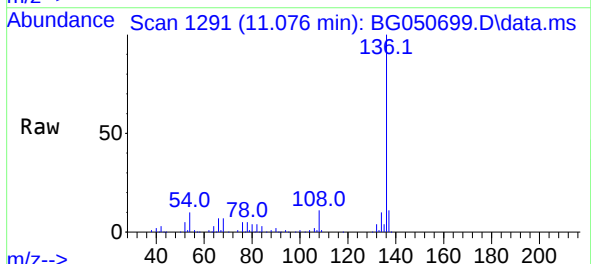
#7
Phenol-d6
Concen: 96.569 ng
RT: 7.398 min Scan# 665
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



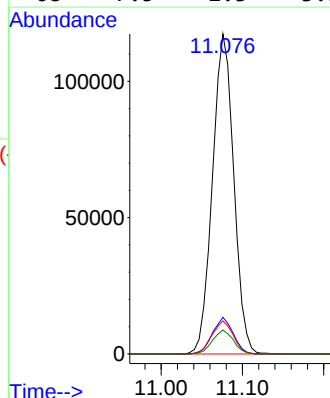
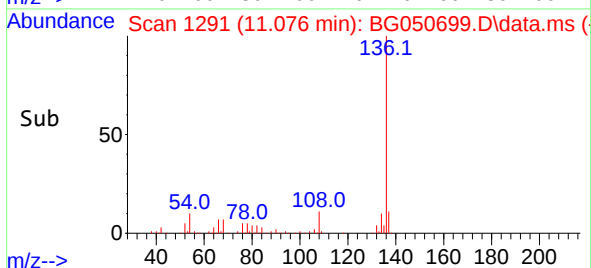
Tgt Ion: 99 Resp: 463073
Ion Ratio Lower Upper
99 100
42 21.1 20.5 30.7
71 40.0 41.5 62.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.076 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



Tgt Ion: 136 Resp: 213633
Ion Ratio Lower Upper
136 100
137 11.5 8.2 12.2
54 10.4 5.5 8.3#
68 7.5 2.3 3.5#



Instrument :
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ClientSampleId :
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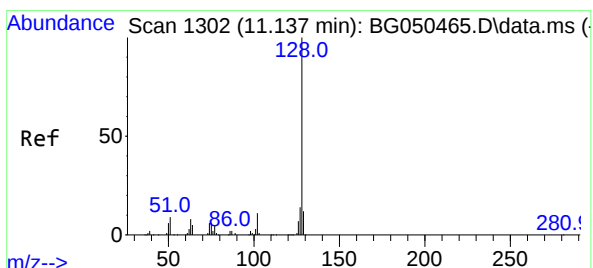
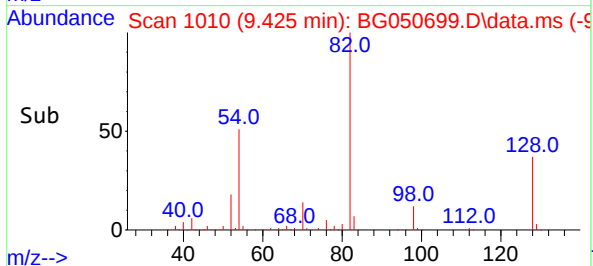
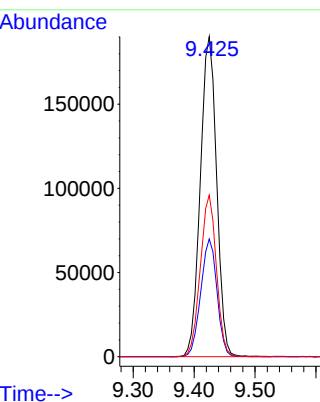
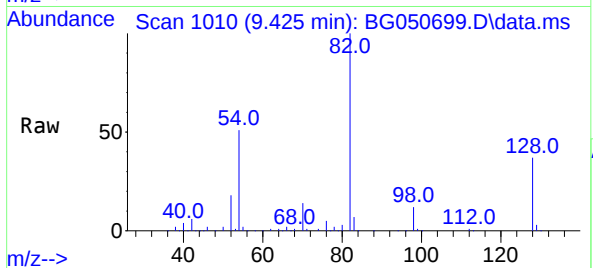
#23
Nitrobenzene-d5
Concen: 68.600 ng
RT: 9.425 min Scan# 1010
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:	82	Resp:	354028
Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.8	44.6
54	50.5	45.8	68.8

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

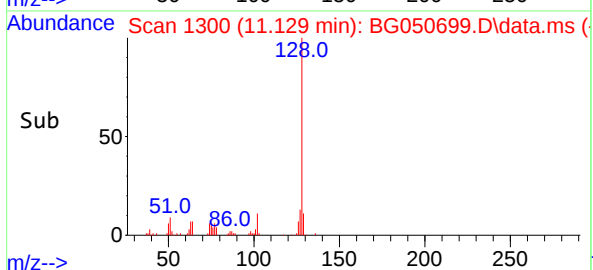
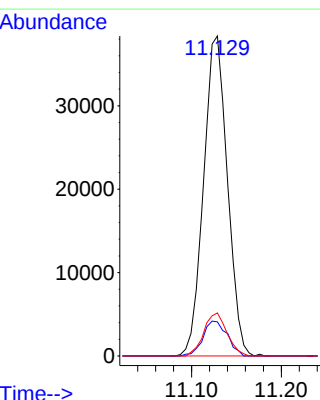
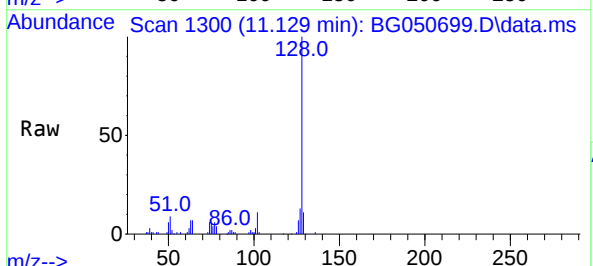
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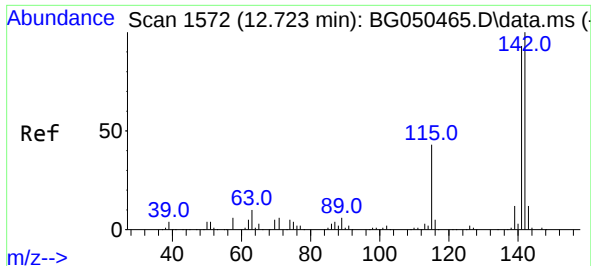
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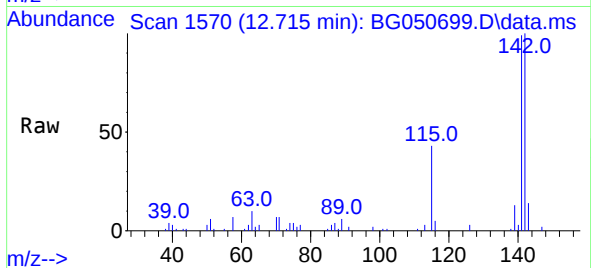
#31
Naphthalene
Concen: 6.177 ng
RT: 11.129 min Scan# 1300
Delta R.T. -0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:	128	Resp:	70630
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	13.5	10.2	15.4

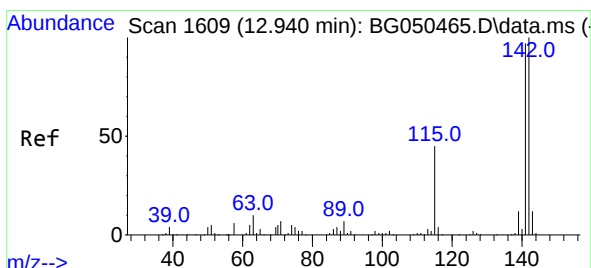
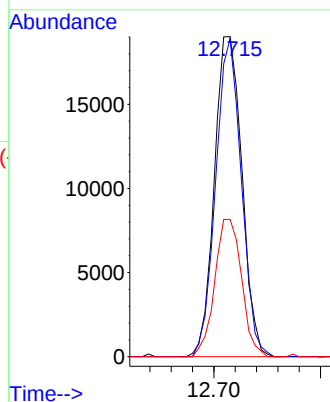
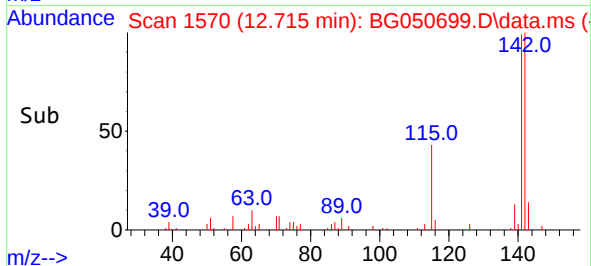




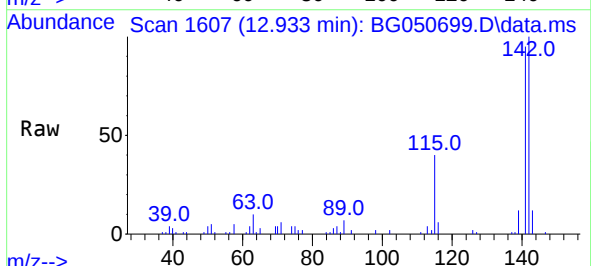
#37
2-Methylnaphthalene
Concen: 4.309 ng
RT: 12.715 min Scan# 1570
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



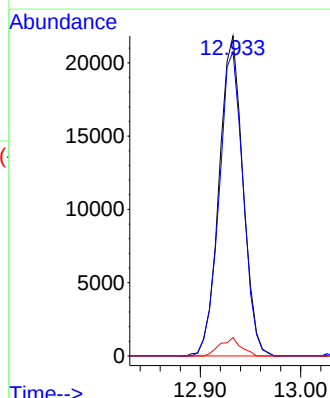
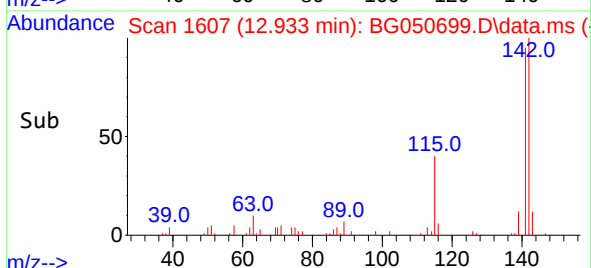
Tgt Ion:142 Resp: 34001
Ion Ratio Lower Upper
142 100
141 99.4 68.8 103.2
115 42.9 36.4 54.6



#38
1-Methylnaphthalene
Concen: 4.695 ng
RT: 12.933 min Scan# 1607
Delta R.T. -0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



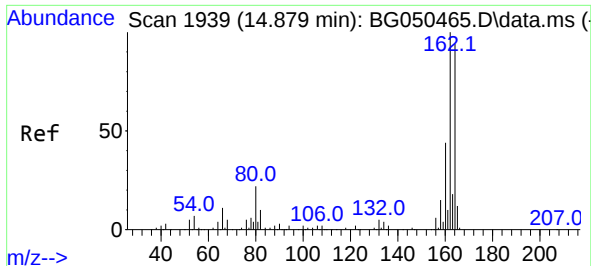
Tgt Ion:142 Resp: 35921
Ion Ratio Lower Upper
142 100
141 95.1 70.6 106.0
116 5.8 4.0 6.0



Instrument :
BNA_G
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MH-GA-(1)

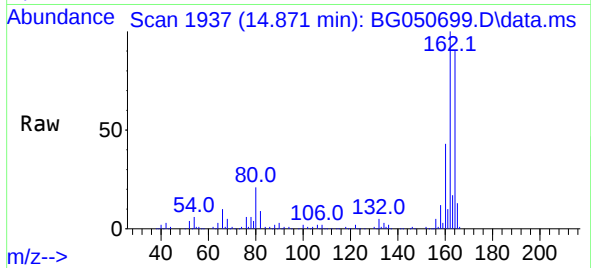
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.871 min Scan# 1937
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

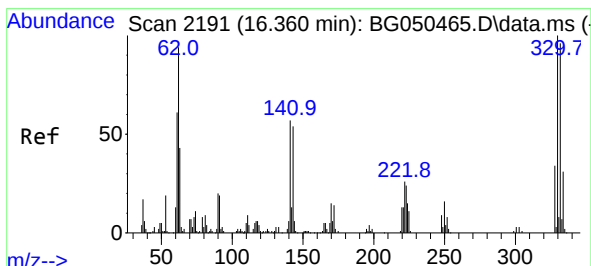
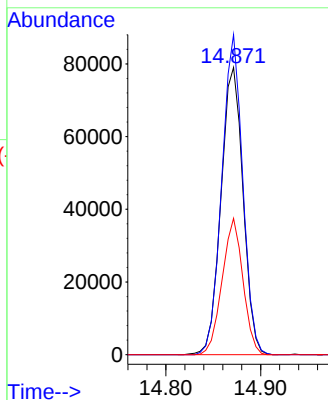
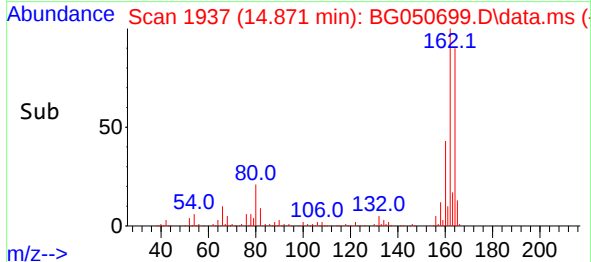
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)



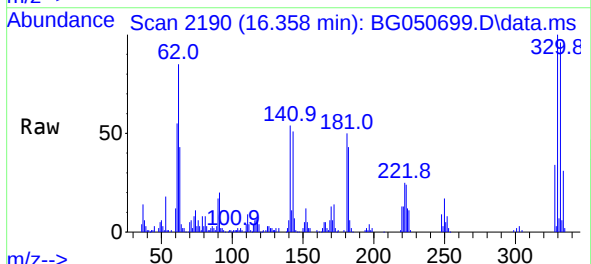
Tgt Ion:164 Resp: 127764
Ion Ratio Lower Upper
164 100
162 111.4 81.4 122.0
160 47.5 34.9 52.3

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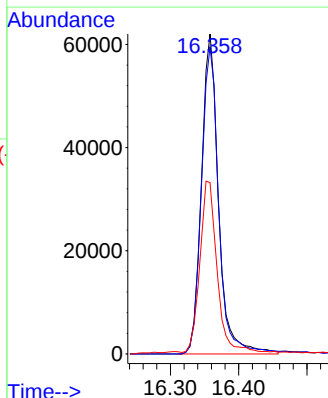
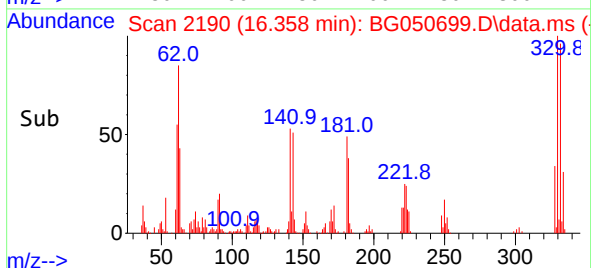
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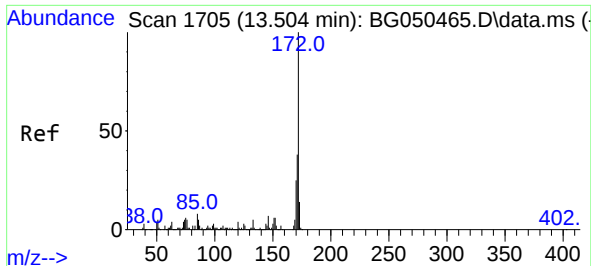


#42
2,4,6-Tribromophenol
Concen: 88.479 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



Tgt Ion:330 Resp: 107824
Ion Ratio Lower Upper
330 100
332 98.8 77.3 115.9
141 53.8 35.6 53.4#





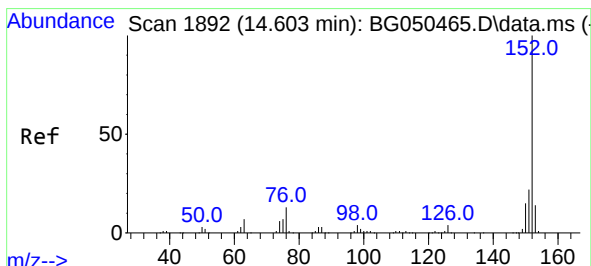
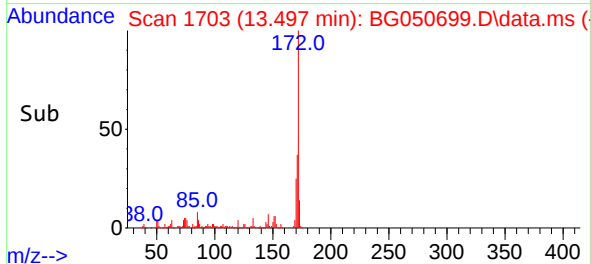
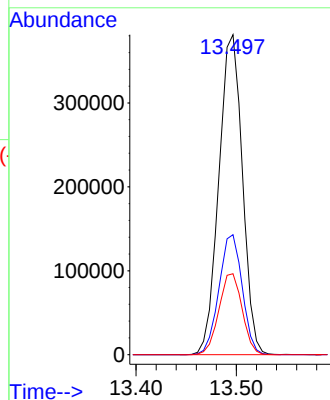
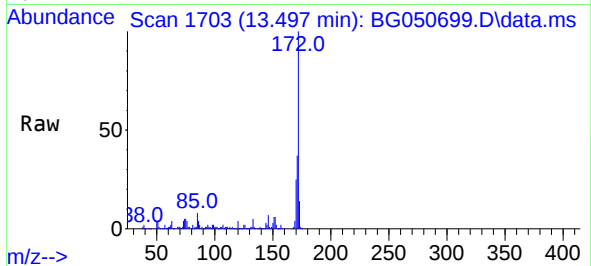
#45
2-Fluorobiphenyl
Concen: 73.195 ng
RT: 13.497 min Scan# 1703
Delta R.T. -0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:172 Resp: 621360
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 25.3 18.6 27.8

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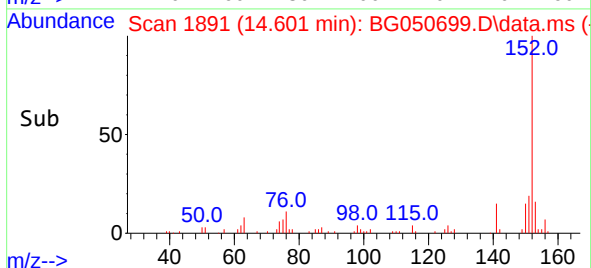
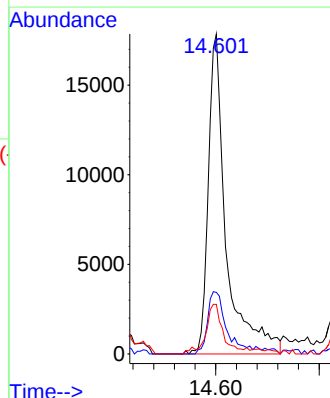
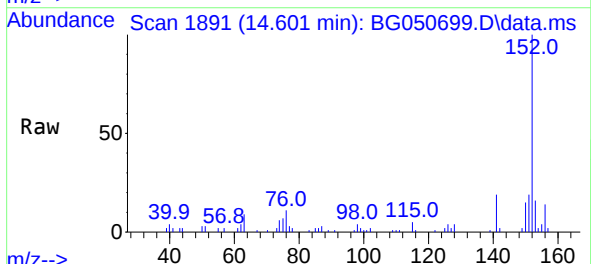
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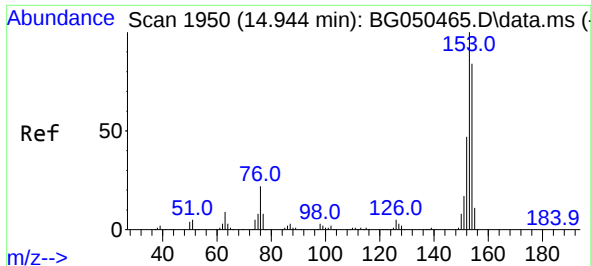
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#49
Acenaphthylene
Concen: 3.661 ng
RT: 14.601 min Scan# 1891
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

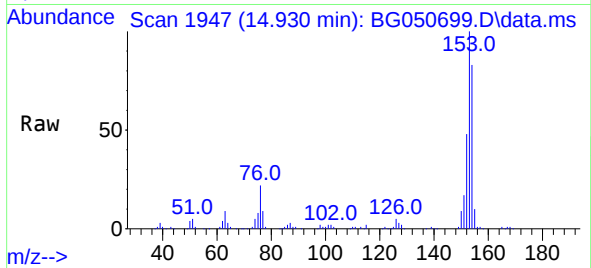
Tgt Ion:152 Resp: 42929
Ion Ratio Lower Upper
152 100
151 19.2 18.2 27.4
153 15.5 11.7 17.5





#52
Acenaphthene
Concen: 15.355 ng
RT: 14.930 min Scan# 1947
Delta R.T. -0.014 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

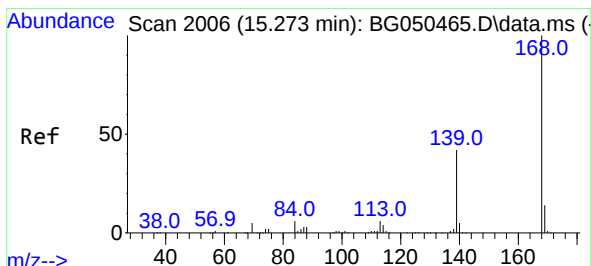
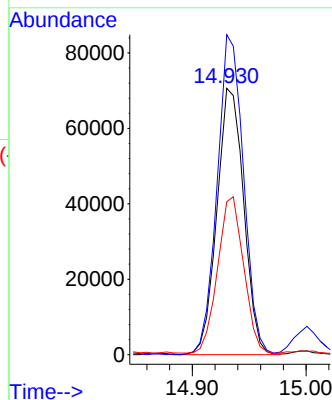
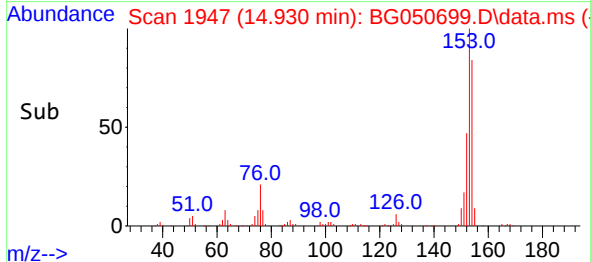
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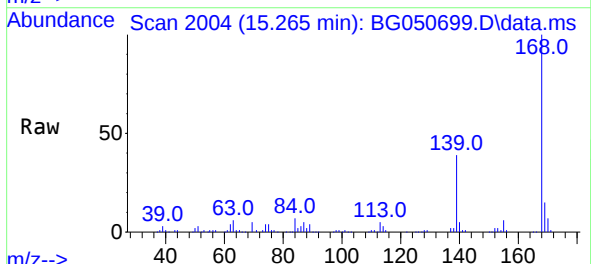
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Ion Ratio Lower Upper
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153 120.1 87.0 130.4
152 57.4 40.1 60.1

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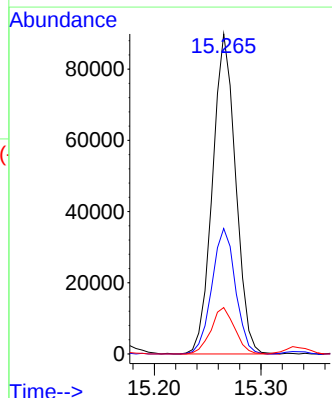
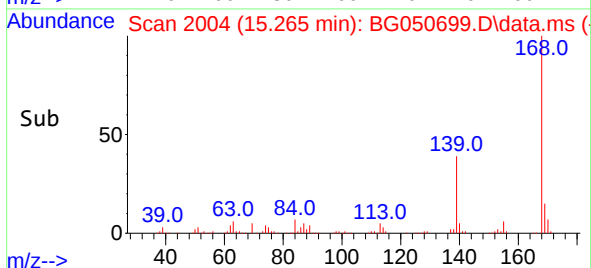
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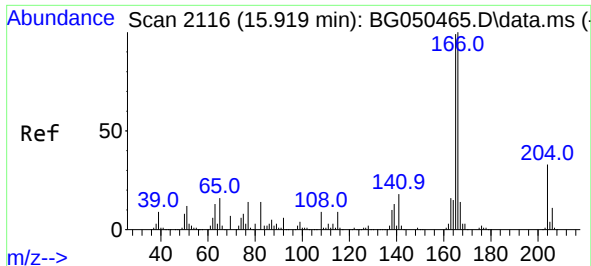


#55
Dibenzofuran
Concen: 11.599 ng
RT: 15.265 min Scan# 2004
Delta R.T. -0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



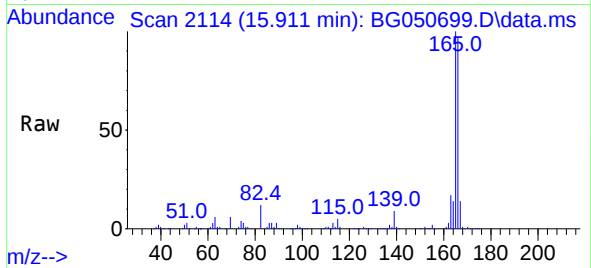
Tgt Ion:168 Resp: 135162
Ion Ratio Lower Upper
168 100
139 39.2 33.4 50.2
169 14.5 12.3 18.5





#58
Fluorene
Concen: 18.880 ng
RT: 15.911 min Scan# 2114
Delta R.T. -0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

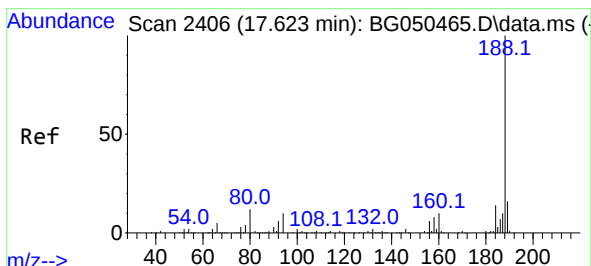
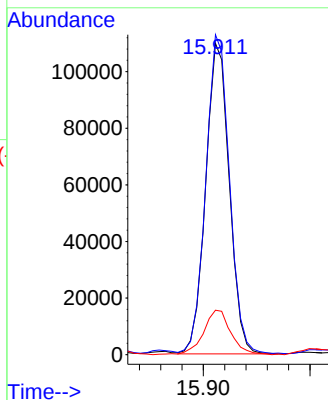
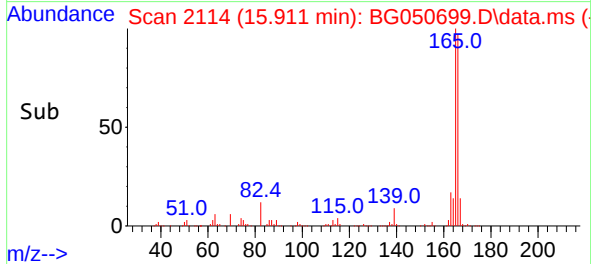
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)



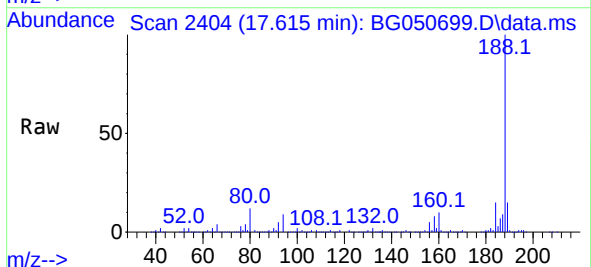
Tgt Ion:166 Resp: 168985
Ion Ratio Lower Upper
166 100
165 102.8 77.7 116.5
167 14.3 10.8 16.2

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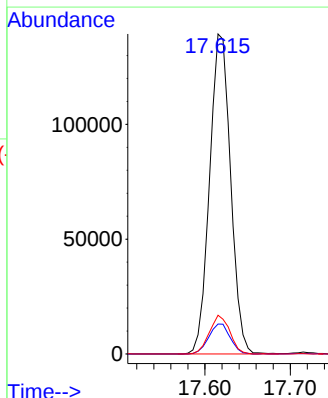
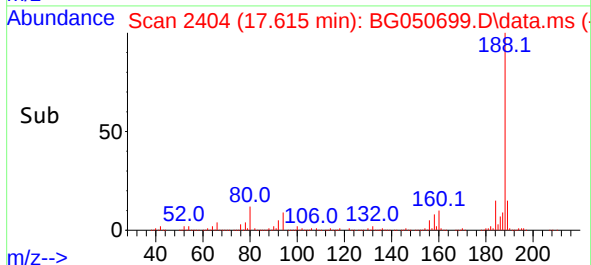
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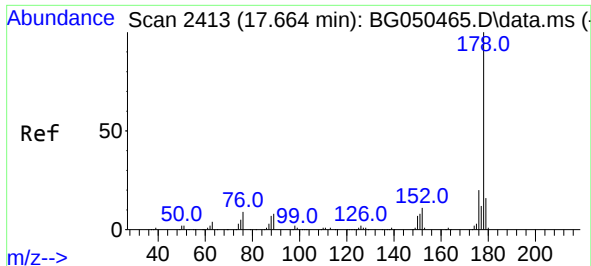


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.615 min Scan# 2404
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



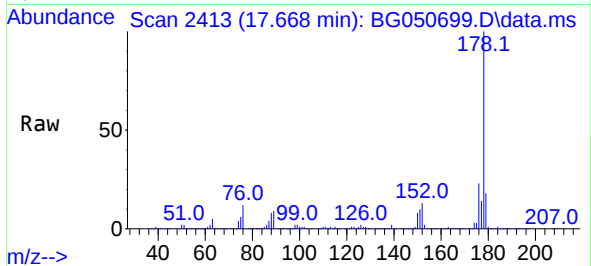
Tgt Ion:188 Resp: 238716
Ion Ratio Lower Upper
188 100
94 9.3 5.4 8.0#
80 12.1 3.7 5.5#





#71
Phenanthrene
Concen: 143.392 ng
RT: 17.668 min Scan# 2413
Delta R.T. 0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

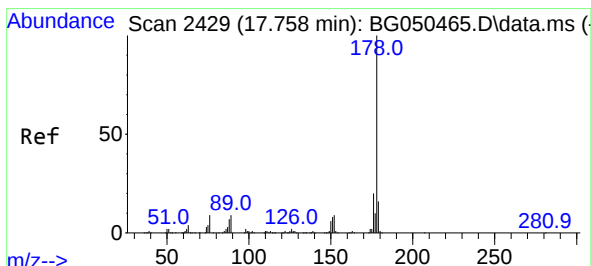
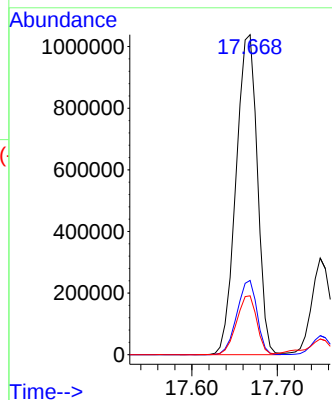
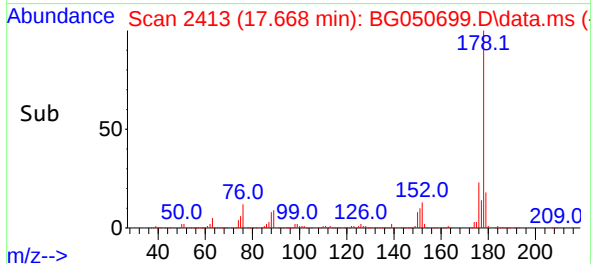
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)



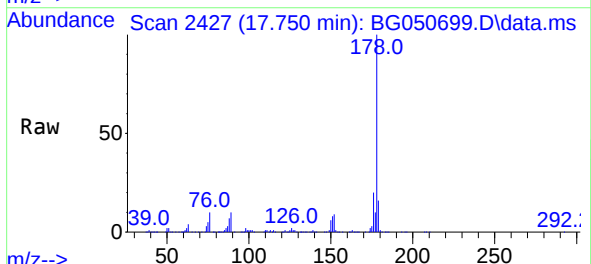
Tgt Ion:178 Resp: 1803777
Ion Ratio Lower Upper
178 100
176 23.2 16.0 24.0
179 18.4 14.2 21.4

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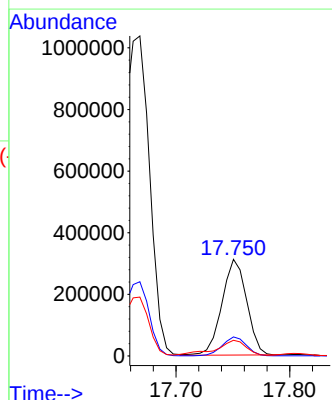
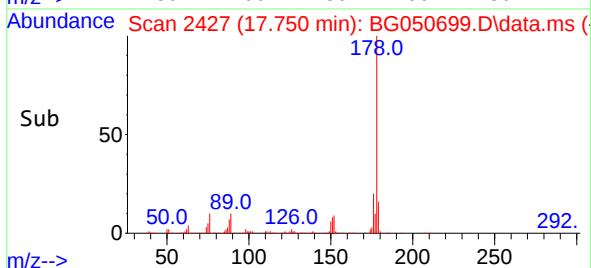
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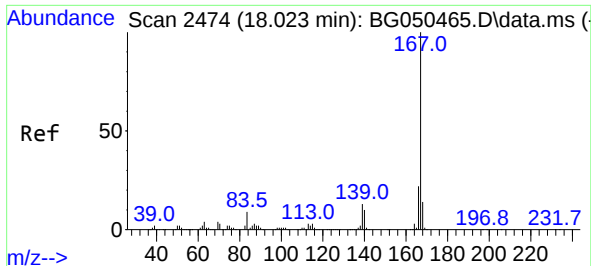


#72
Anthracene
Concen: 37.579 ng
RT: 17.750 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



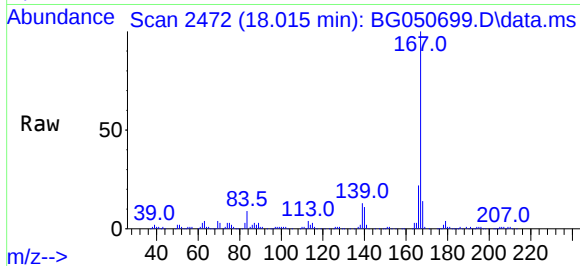
Tgt Ion:178 Resp: 469750
Ion Ratio Lower Upper
178 100
176 19.7 14.6 21.8
179 16.2 13.4 20.0





#73
 Carbazole
 Concen: 12.716 ng
 RT: 18.015 min Scan# 2472
 Delta R.T. -0.009 min
 Lab File: BG050699.D
 Acq: 22 Oct 2021 21:42

Instrument :
 BNA_G
 ClientSampleId :
 MH-GA-(1)

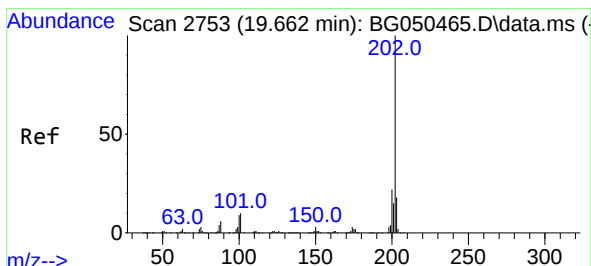
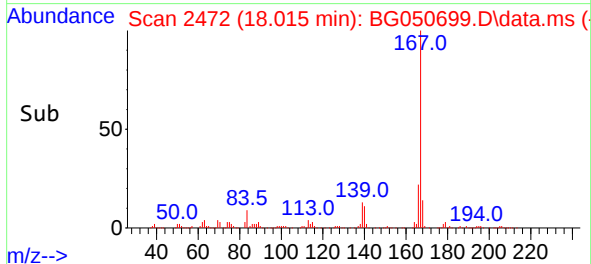
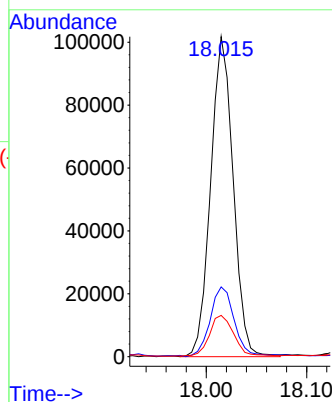


Tgt Ion:167 Resp: 158422

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	12.9	10.7	16.1

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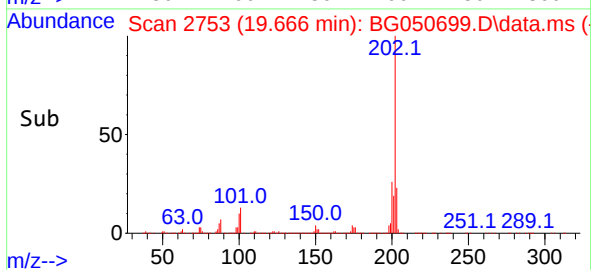
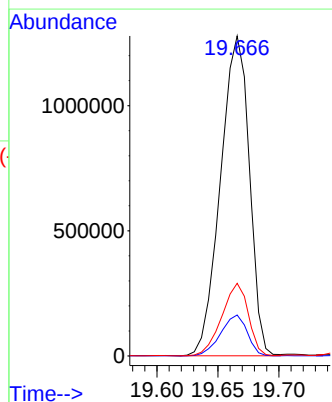
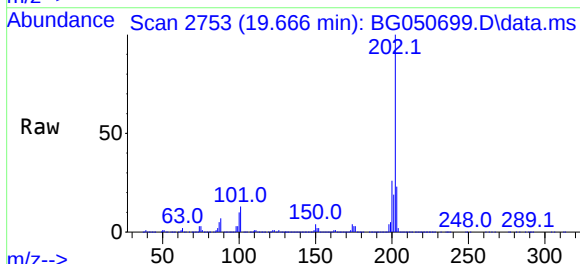
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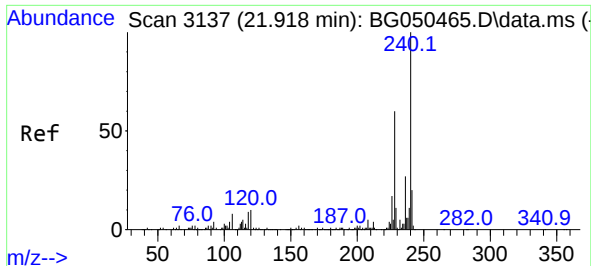


#75
 Fluoranthene
 Concen: 136.322 ng
 RT: 19.666 min Scan# 2753
 Delta R.T. 0.003 min
 Lab File: BG050699.D
 Acq: 22 Oct 2021 21:42

Tgt Ion:202 Resp: 2107974

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	24.7
203	22.7	0.0	38.5





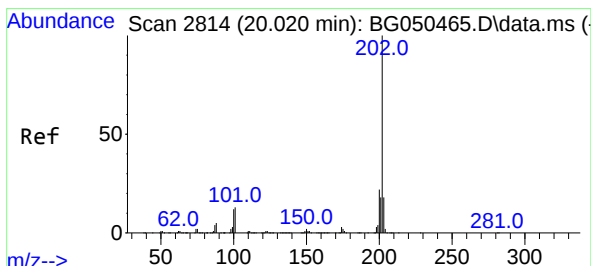
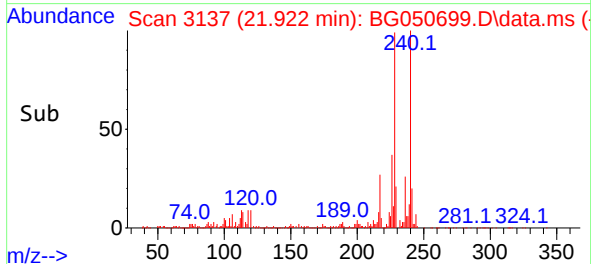
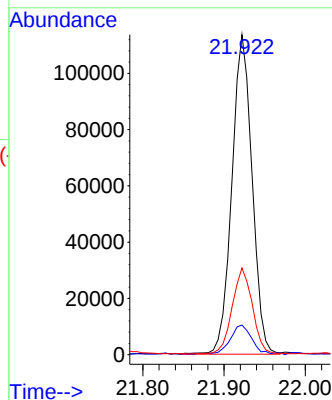
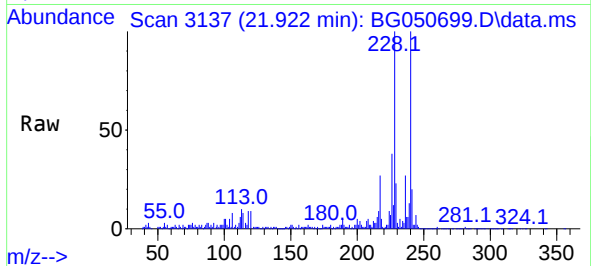
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.922 min Scan# 3137
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:240 Resp: 195946
Ion Ratio Lower Upper
240 100
120 9.2 4.2 6.2#
236 27.1 21.8 32.6

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

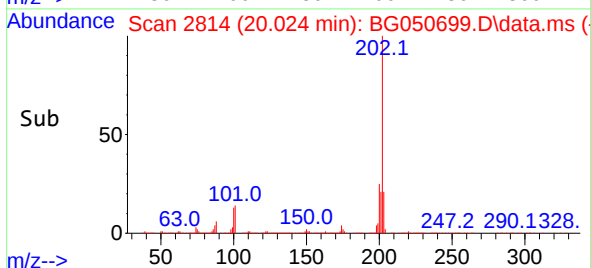
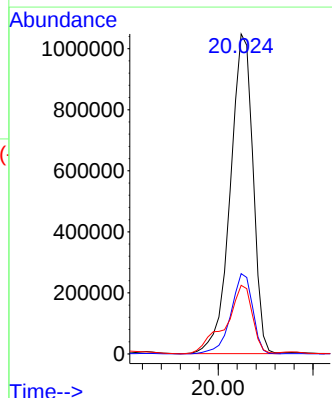
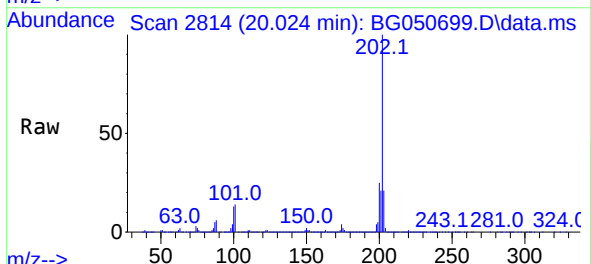
Manual Integrations
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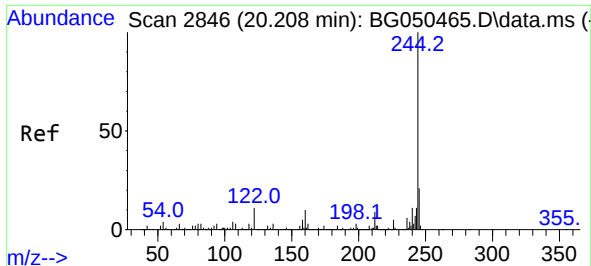
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#78
Pyrene
Concen: 125.007 ng
RT: 20.024 min Scan# 2814
Delta R.T. 0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:202 Resp: 1737896
Ion Ratio Lower Upper
202 100
200 25.1 15.8 23.8#
203 21.4 14.6 21.8





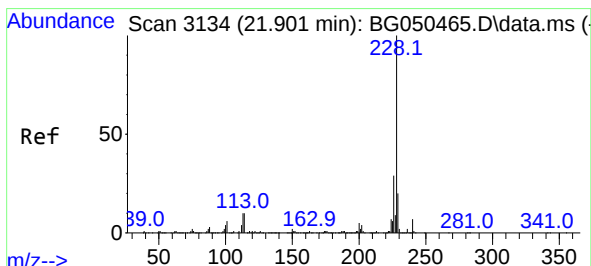
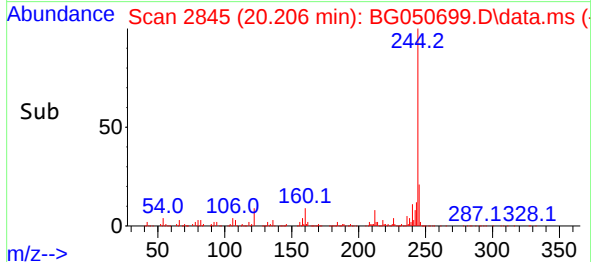
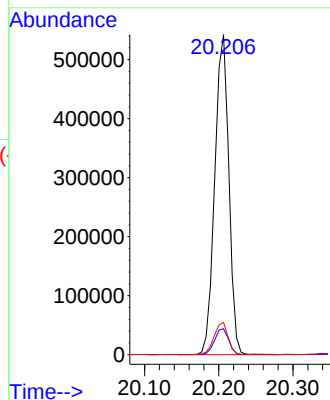
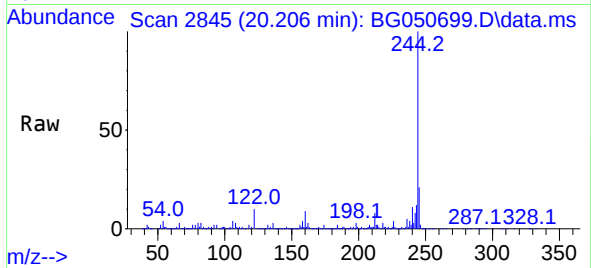
#79
Terphenyl-d14
Concen: 70.950 ng
RT: 20.206 min Scan# 2845
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:244 Resp: 713375
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 10.1 5.0 7.6#

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

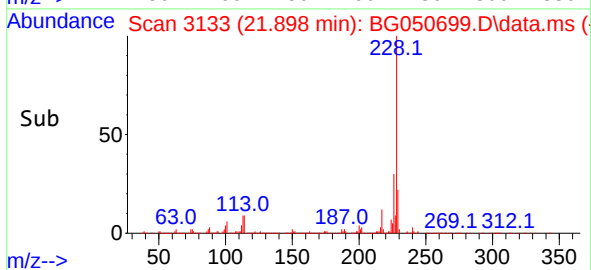
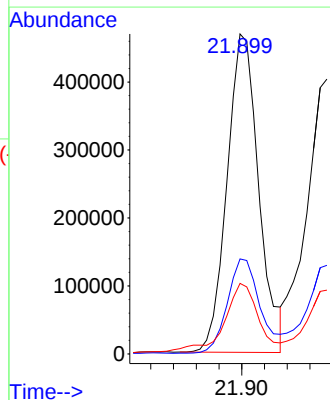
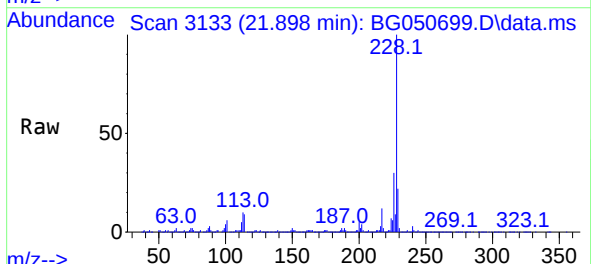
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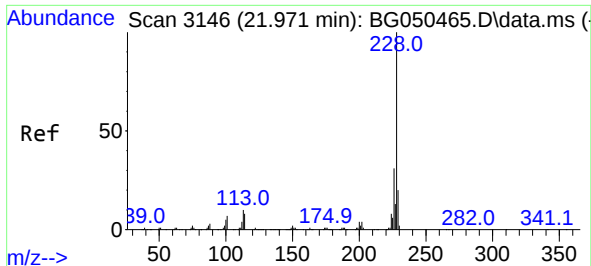
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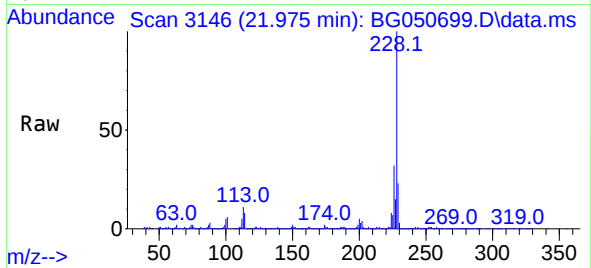
#81
Benzo(a)anthracene
Concen: 69.872 ng
RT: 21.898 min Scan# 3133
Delta R.T. -0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:228 Resp: 905930
Ion Ratio Lower Upper
228 100
226 29.7 22.7 34.1
229 22.0 16.0 24.0

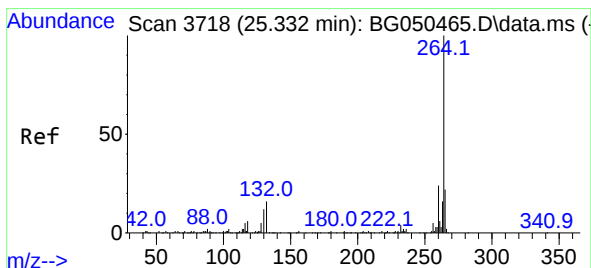
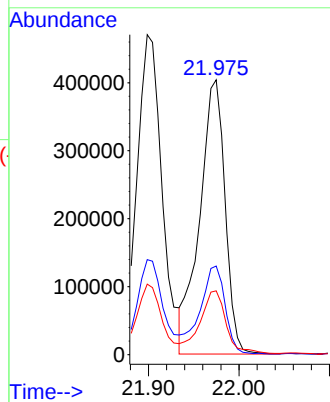
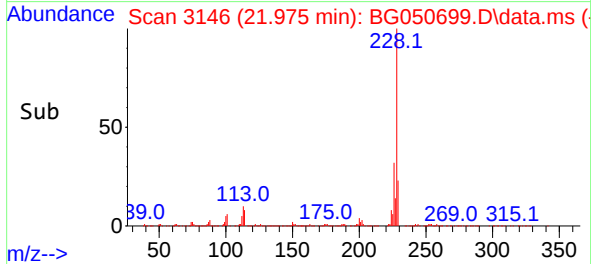




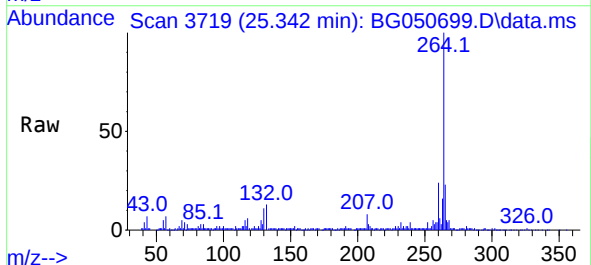
#83
Chrysene
Concen: 64.697 ng m
RT: 21.975 min Scan# 3146
Delta R.T. 0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



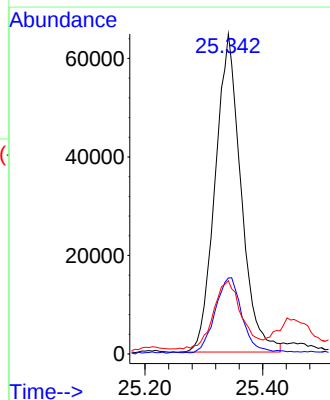
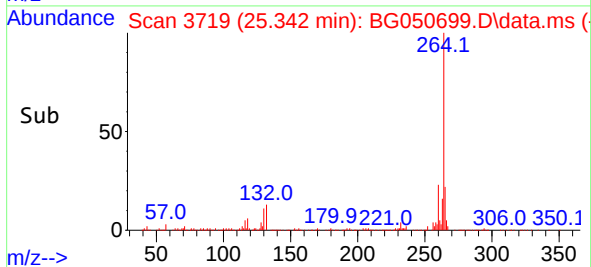
Tgt Ion:228 Resp: 789041
Ion Ratio Lower Upper
228 100
226 32.3 23.1 34.7
229 23.3 15.3 22.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.342 min Scan# 3719
Delta R.T. 0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42



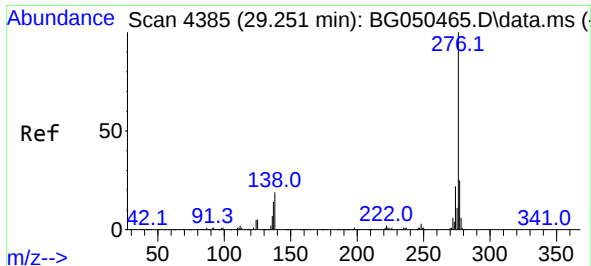
Tgt Ion:264 Resp: 196883
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.9 16.9 25.3



Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

Manual Integrations
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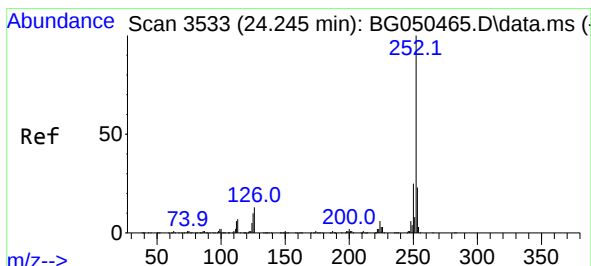
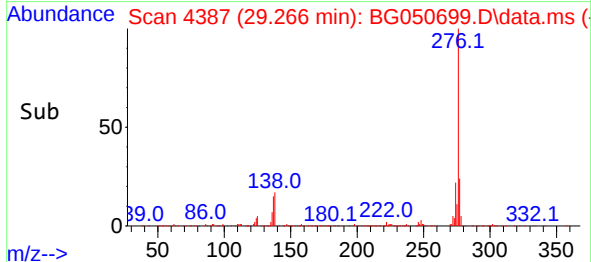
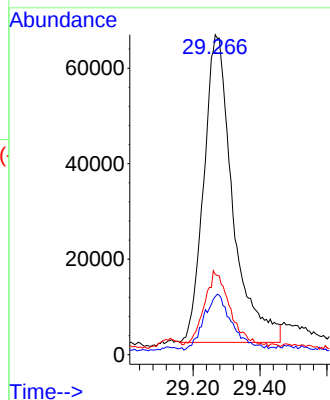
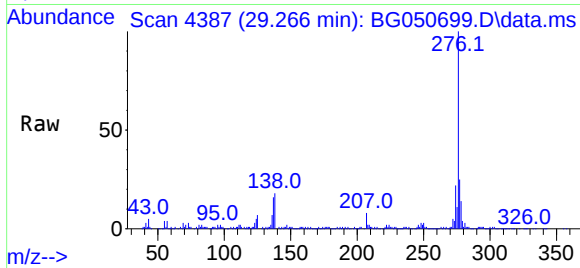
#87
Indeno(1,2,3-cd)pyrene
Concen: 28.134 ng
RT: 29.266 min Scan# 4387
Delta R.T. 0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion: 276 Resp: 385799
Ion Ratio Lower Upper
276 100
138 17.5 5.1 7.7#
277 22.5 19.8 29.6

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

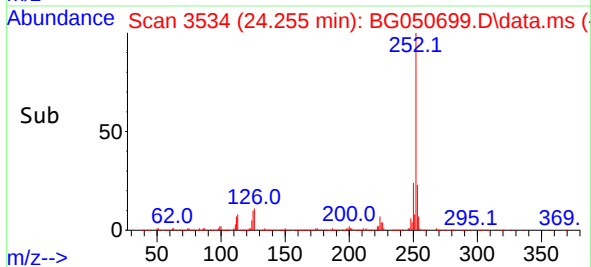
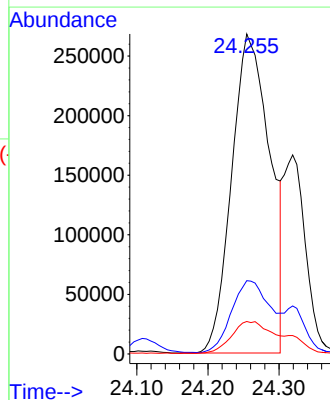
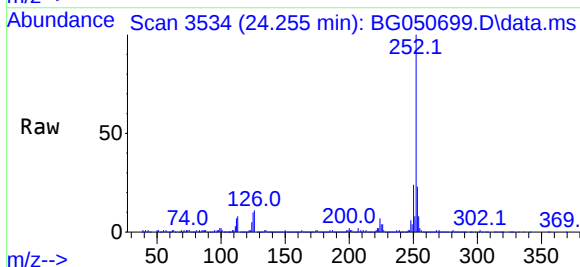
Manual Integrations
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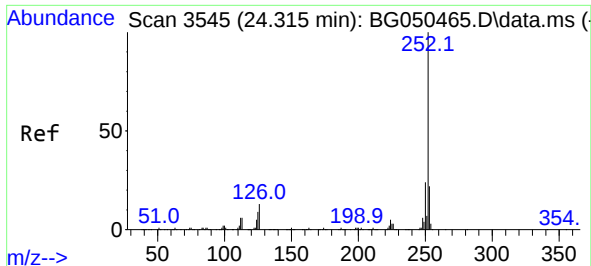
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#88
Benzo(b)fluoranthene
Concen: 82.995 ng
RT: 24.255 min Scan# 3534
Delta R.T. 0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion: 252 Resp: 1000722
Ion Ratio Lower Upper
252 100
253 22.9 16.2 24.4
125 10.1 3.0 4.4#





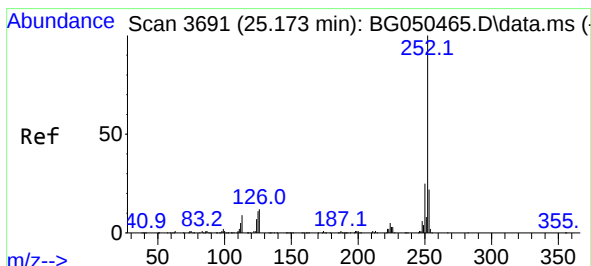
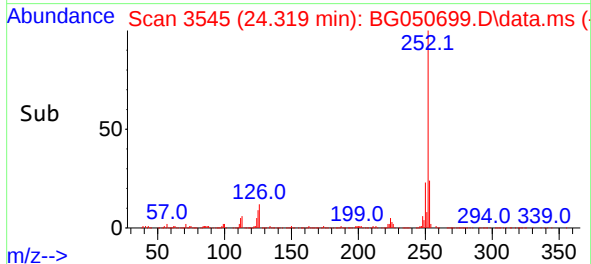
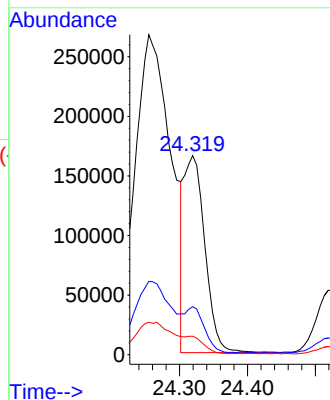
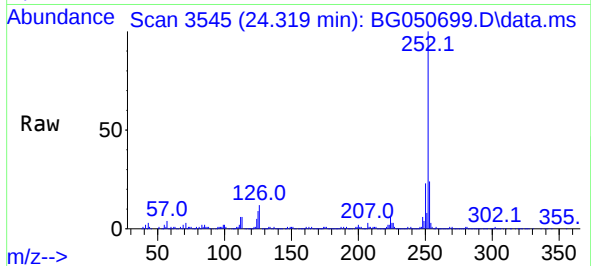
#89
Benzo(k)fluoranthene
Concen: 29.410 ng m
RT: 24.319 min Scan# 3545
Delta R.T. 0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:252 Resp: 348865
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 9.3 3.1 4.7#

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

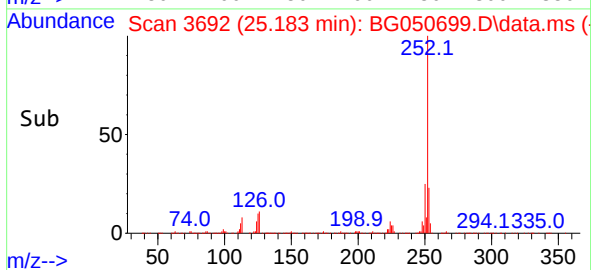
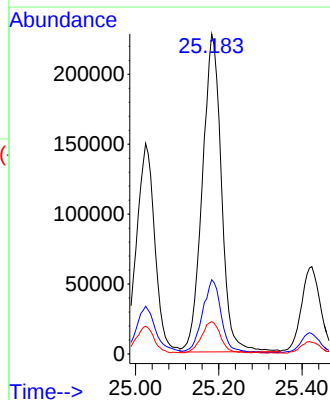
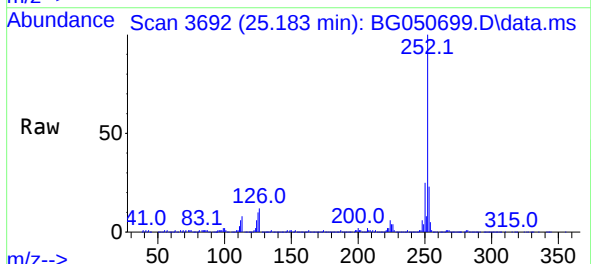
Manual Integrations
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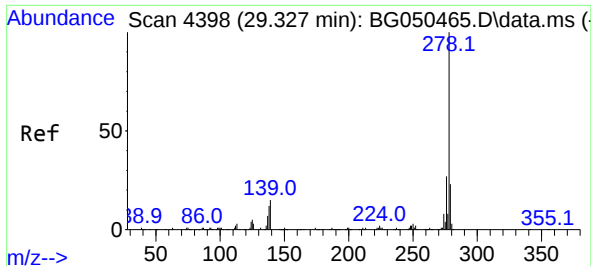
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#90
Benzo(a)pyrene
Concen: 70.397 ng
RT: 25.183 min Scan# 3692
Delta R.T. 0.009 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:252 Resp: 721694
Ion Ratio Lower Upper
252 100
253 23.2 16.6 25.0
125 10.1 3.5 5.3#





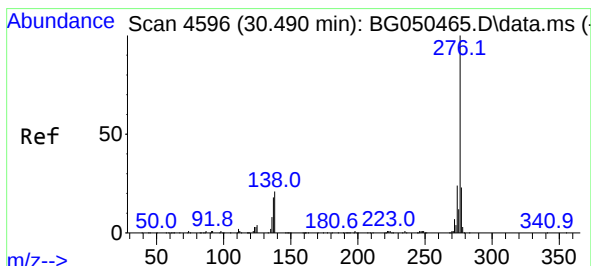
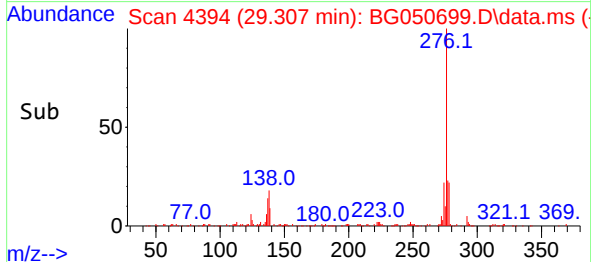
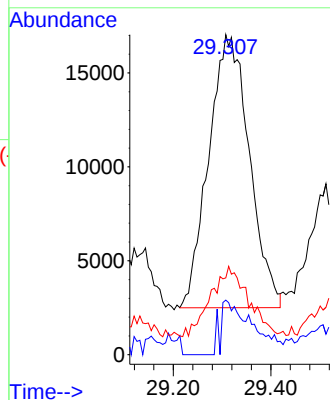
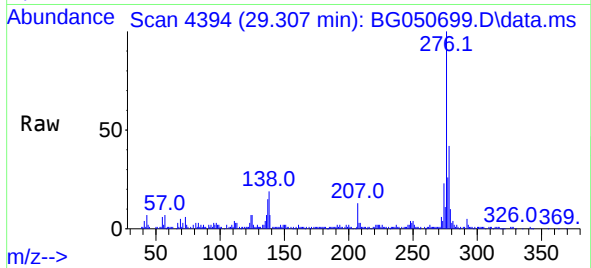
#91
Dibenzo(a,h)anthracene
Concen: 7.410 ng
RT: 29.307 min Scan# 4394
Delta R.T. -0.026 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:278 Resp: 84048
Ion Ratio Lower Upper
278 100
139 17.0 4.6 6.8#
279 24.0 17.9 26.9

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

Manual Integrations
APPROVED

mohammad
10/25/2021 1:47:12 PM



#92
Benzo(g,h,i)perylene
Concen: 30.876 ng
RT: 30.500 min Scan# 4597
Delta R.T. 0.003 min
Lab File: BG050699.D
Acq: 22 Oct 2021 21:42

Tgt Ion:276 Resp: 342992
Ion Ratio Lower Upper
276 100
277 24.4 18.4 27.6
138 18.8 7.0 10.6#

