

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102521\
 Data File : BG050722.D
 Acq On : 25 Oct 2021 22:53
 Operator : CG/JU
 Sample : M4285-10DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Oct 26 02:16:51 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	8.255	152	42301	20.000	ng	0.00
21) Naphthalene-d8	11.075	136	185956	20.000	ng	# 0.00
39) Acenaphthene-d10	14.871	164	116428	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	235467	20.000	ng	# 0.00
76) Chrysene-d12	21.915	240	189665	20.000	ng	# 0.00
86) Perylene-d12	25.335	264	189237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	55572	19.647	ng	0.00
7) Phenol-d6	7.397	99	77527	18.931	ng	0.00
23) Nitrobenzene-d5	9.424	82	55660	12.391	ng	0.00
42) 2,4,6-Tribromophenol	16.351	330	19453	17.517	ng	0.00
45) 2-Fluorobiphenyl	13.490	172	107064	13.840	ng	-0.02
79) Terphenyl-d14	20.200	244	136442	14.020	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.935	154	19009	2.769	ng	# 82
55) Dibenzofuran	15.270	168	22662	2.134	ng	97
58) Fluorene	15.917	166	30583	3.750	ng	95
71) Phenanthrene	17.662	178	379433	30.579	ng	97
72) Anthracene	17.750	178	90647	7.352	ng	99
73) Carbazole	18.014	167	30258	2.462	ng	98
75) Fluoranthene	19.659	202	457989	30.027	ng	97
78) Pyrene	20.018	202	362455	26.935	ng	97
81) Benzo(a)anthracene	21.898	228	166661	13.280	ng	99
83) Chrysene	21.968	228	146245	12.388	ng	95
87) Indeno(1,2,3-cd)pyrene	29.260	276	71024	5.389	ng	# 87
88) Benzo(b)fluoranthene	24.248	252	180713	15.593	ng	# 90
89) Benzo(k)fluoranthene	24.307	252	65789m	5.770	ng	
90) Benzo(a)pyrene	25.176	252	128347	13.025	ng	# 90
92) Benzo(g,h,i)perylene	30.505	276	62080m	5.814	ng	

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

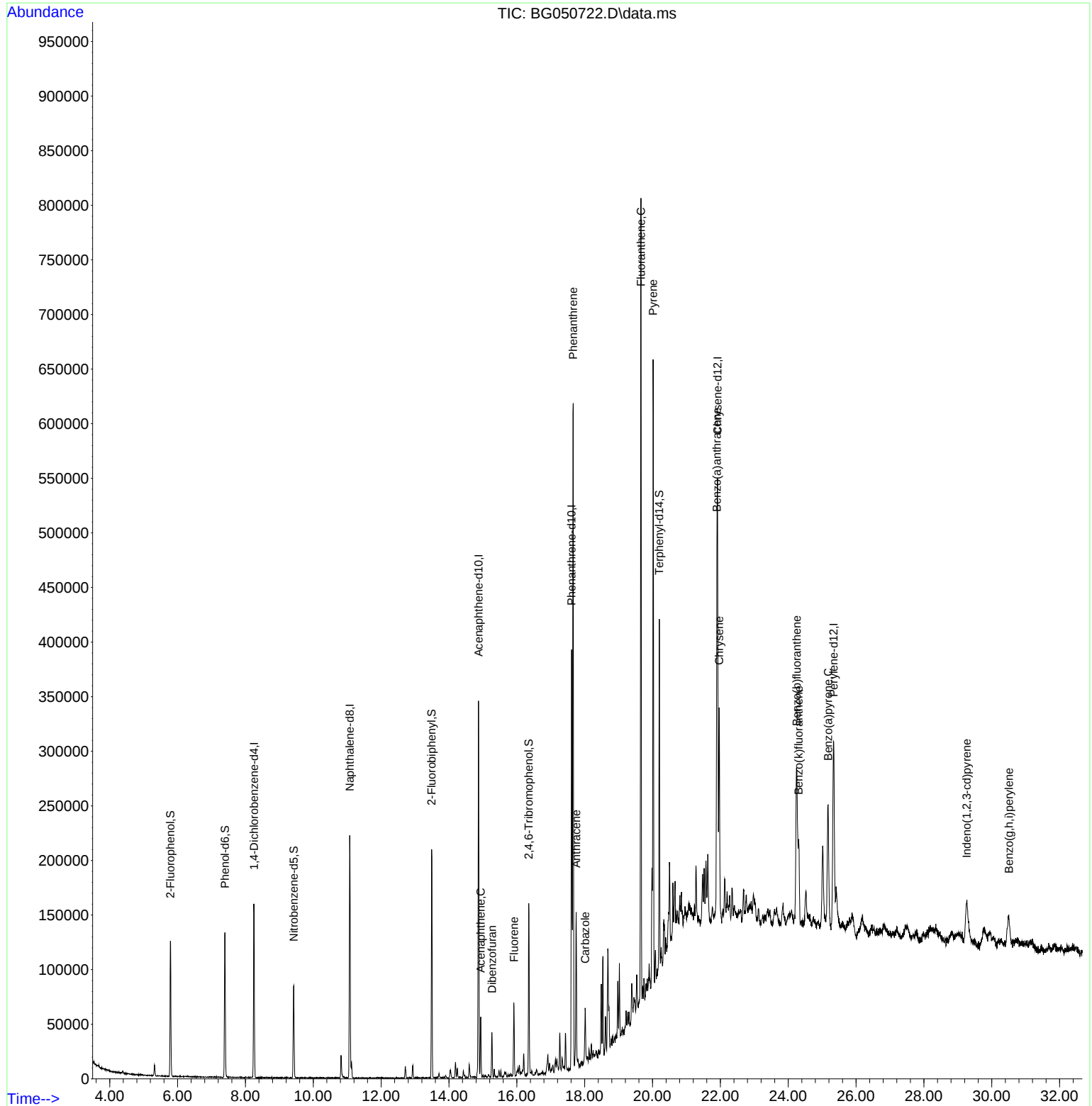
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102521\
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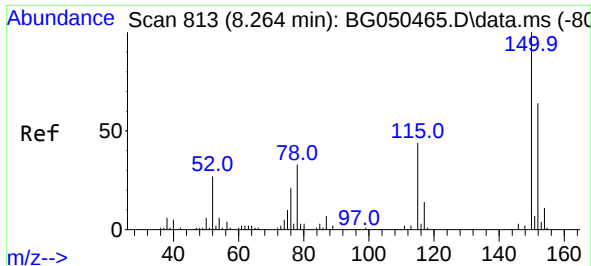
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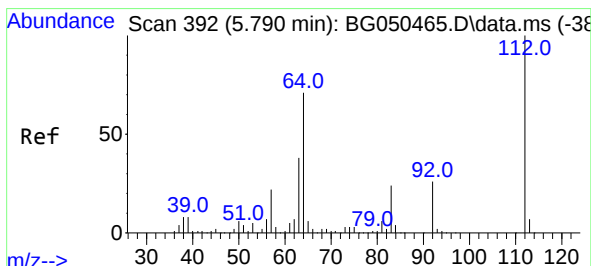
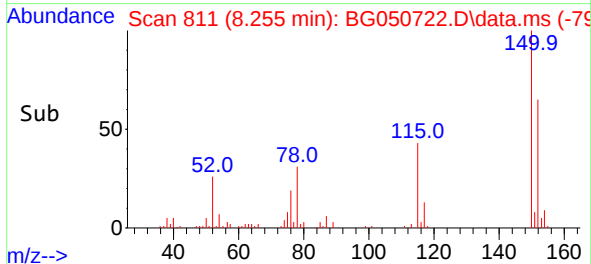
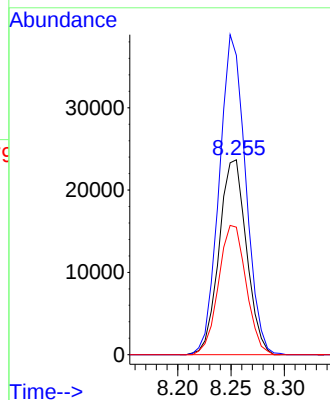
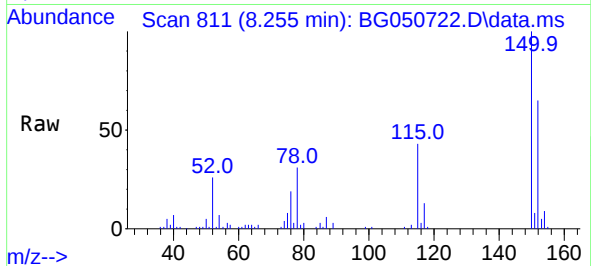
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.255 min Scan# 811
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:152 Resp: 42301
Ion Ratio Lower Upper
152 100
150 153.5 119.4 179.0
115 65.4 60.2 90.4

Instrument :
BNA_G
ClientSampled :
MH-GA-(1)DL

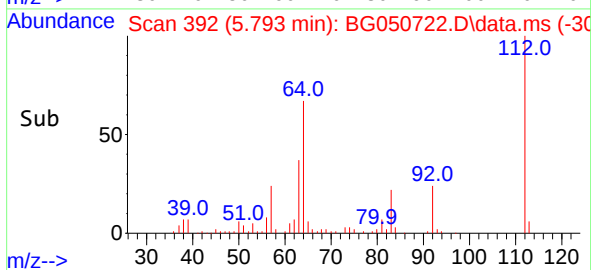
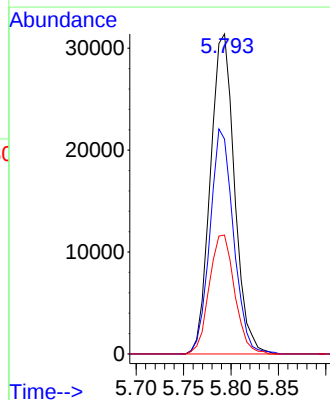
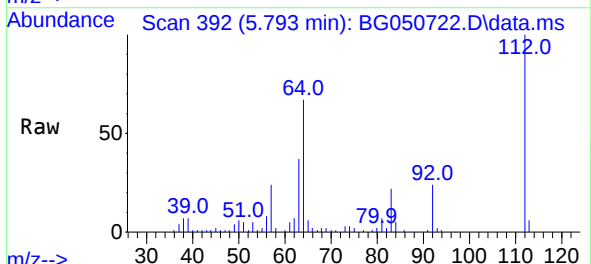
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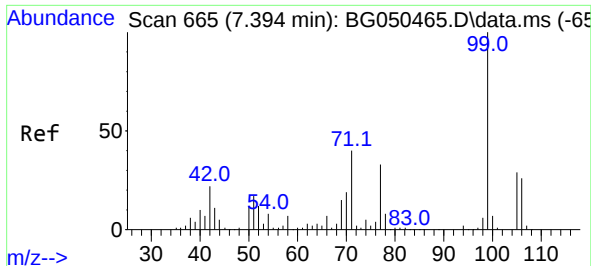
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#5
2-Fluorophenol
Concen: 19.647 ng
RT: 5.793 min Scan# 392
Delta R.T. 0.002 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:112 Resp: 55572
Ion Ratio Lower Upper
112 100
64 67.2 46.7 70.1
63 37.2 35.3 52.9





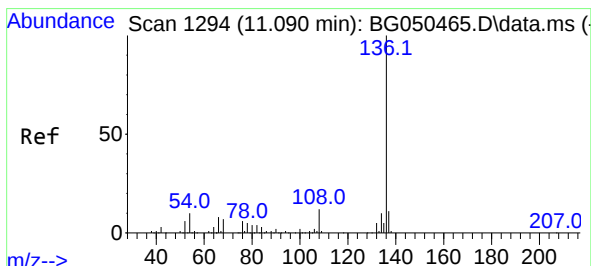
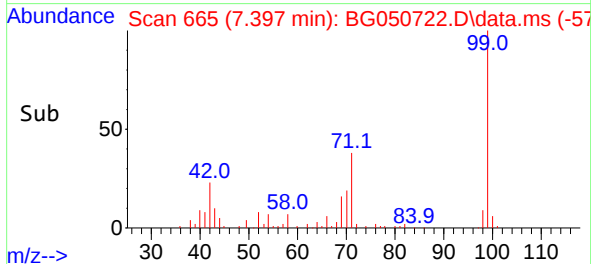
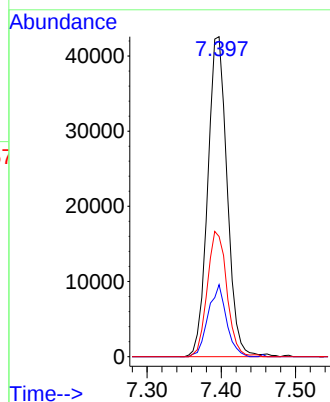
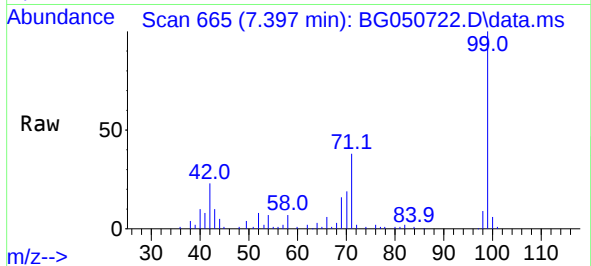
#7
Phenol-d6
Concen: 18.931 ng
RT: 7.397 min Scan# 665
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion: 99 Resp: 77527
Ion Ratio Lower Upper
99 100
42 22.5 20.5 30.7
71 37.6 41.5 62.3#

Instrument :
BNA_G
ClientSampled :
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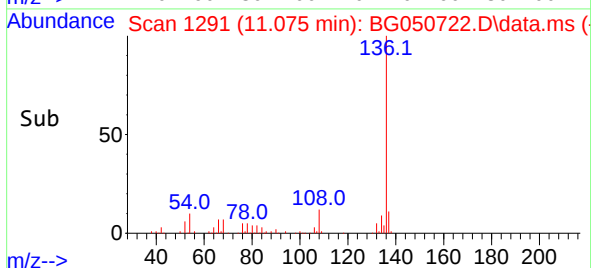
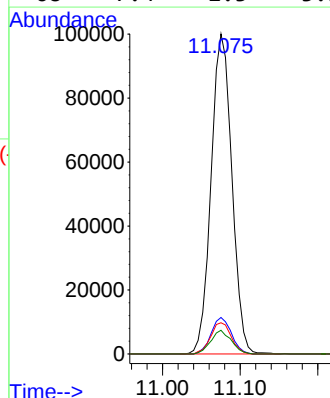
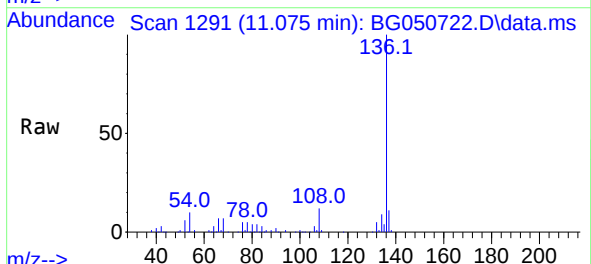
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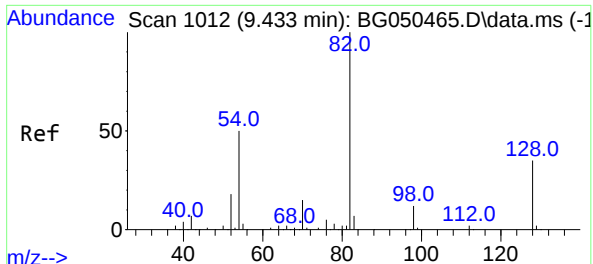
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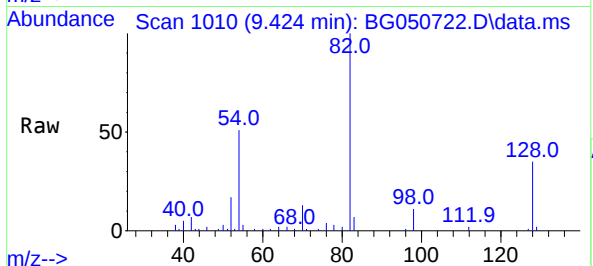
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.075 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion: 136 Resp: 185956
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 9.8 5.5 8.3#
68 7.4 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 12.391 ng
RT: 9.424 min Scan# 1010
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

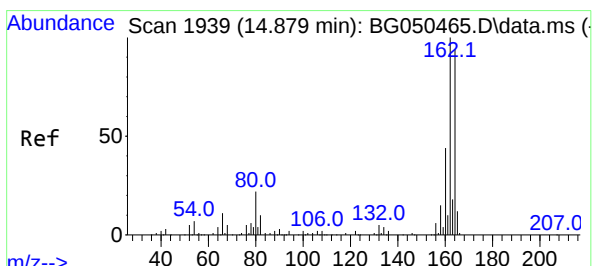
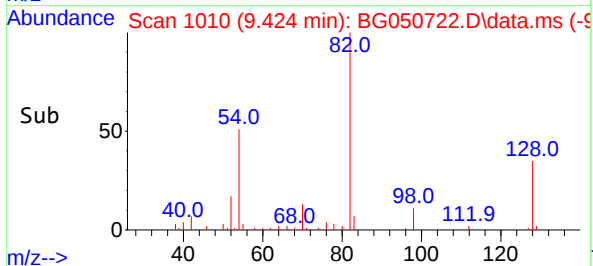
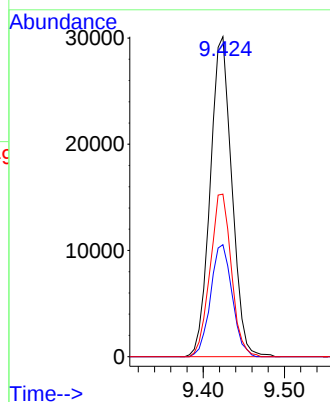


Tgt Ion:	82	Resp:	55660
Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.8	44.6
54	50.8	45.8	68.8

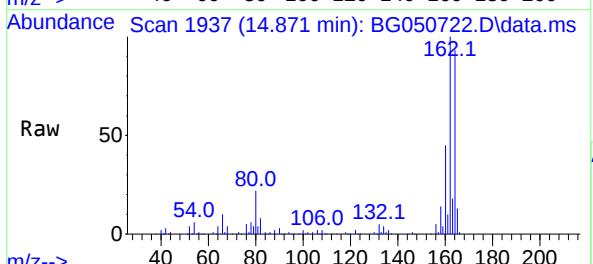
Instrument :
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ClientSampleId :
MH-GA-(1)DL

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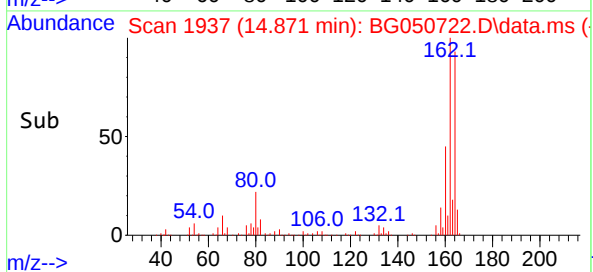
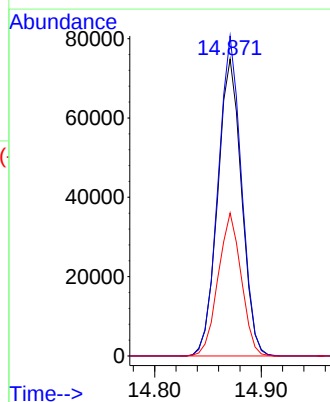
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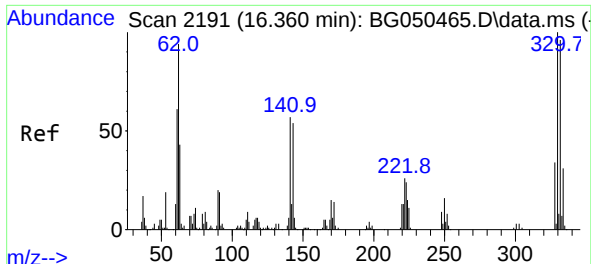


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.871 min Scan# 1937
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



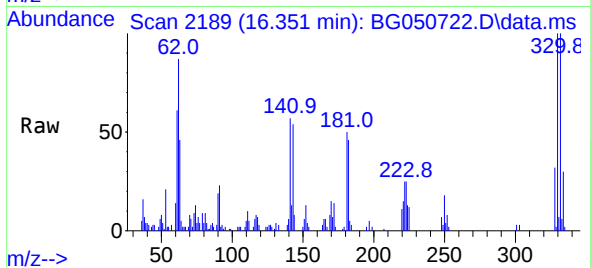
Tgt Ion:	164	Resp:	116428
Ion	Ratio	Lower	Upper
164	100		
162	107.8	81.4	122.0
160	48.2	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 17.517 ng
RT: 16.351 min Scan# 2189
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

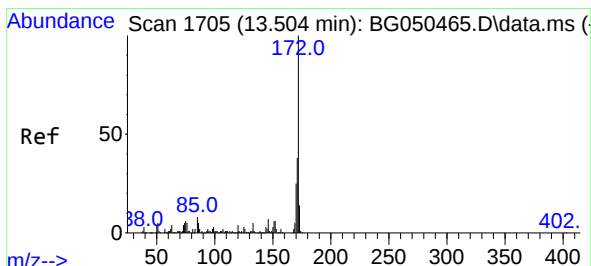
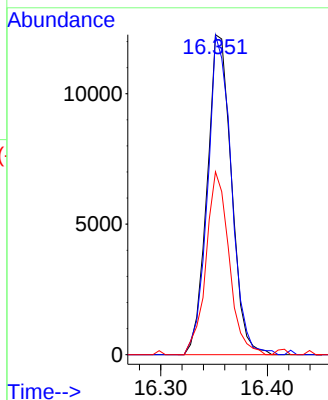
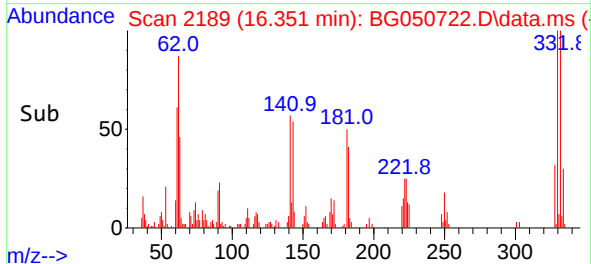
Instrument :
BNA_G
ClientSampled :
MH-GA-(1)DL



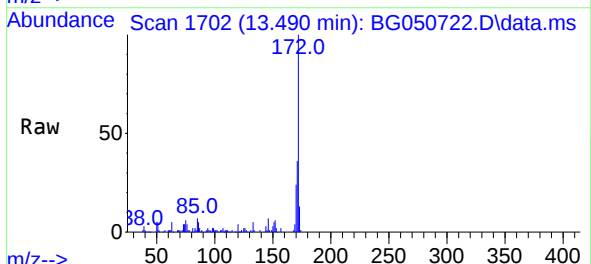
Tgt Ion:330 Resp: 19453
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 54.1 35.6 53.4#

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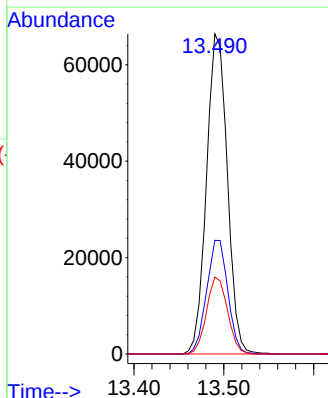
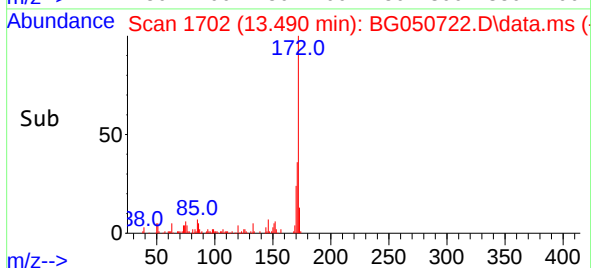
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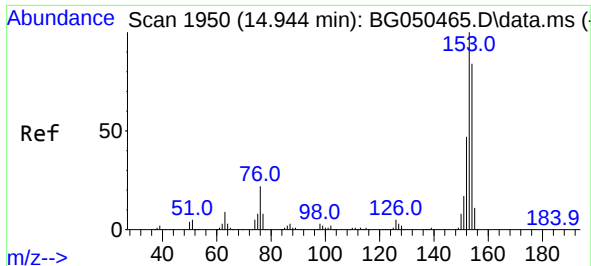


#45
2-Fluorobiphenyl
Concen: 13.840 ng
RT: 13.490 min Scan# 1702
Delta R.T. -0.015 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



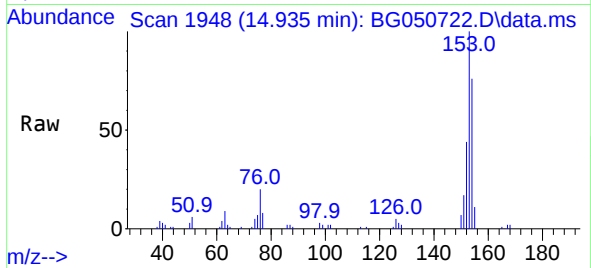
Tgt Ion:172 Resp: 107064
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 24.1 18.6 27.8





#52
Acenaphthene
Concen: 2.769 ng
RT: 14.935 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

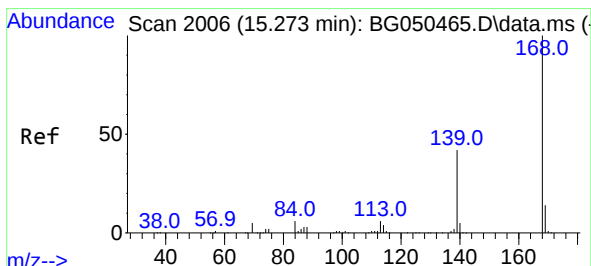
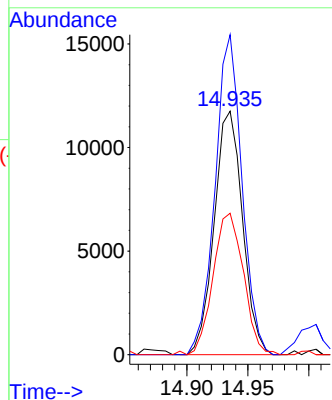
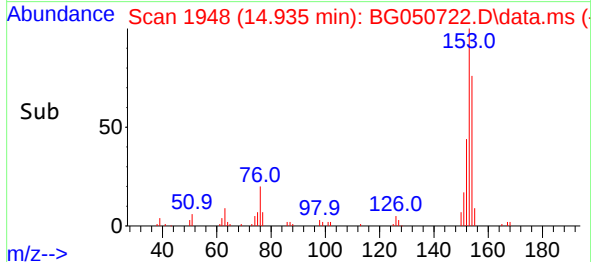
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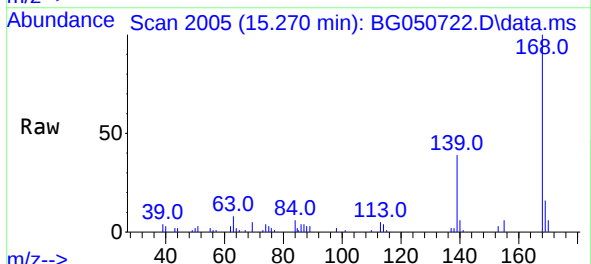
Tgt Ion:154 Resp: 19009
Ion Ratio Lower Upper
154 100
153 131.4 87.0 130.4#
152 58.1 40.1 60.1

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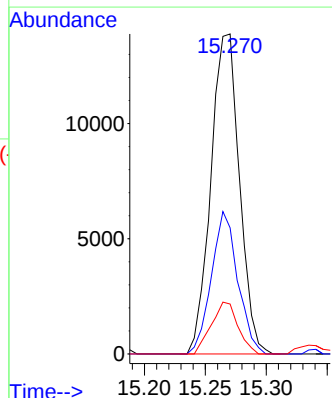
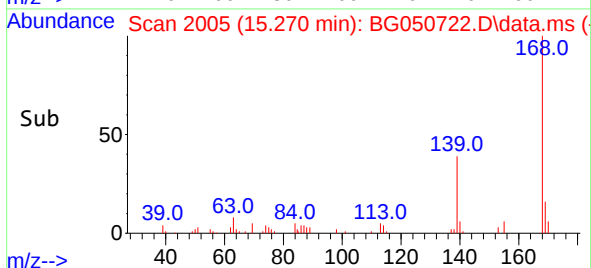
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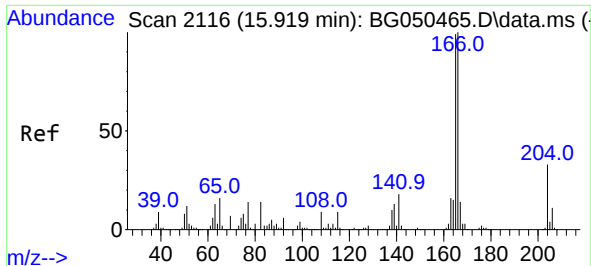


#55
Dibenzofuran
Concen: 2.134 ng
RT: 15.270 min Scan# 2005
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



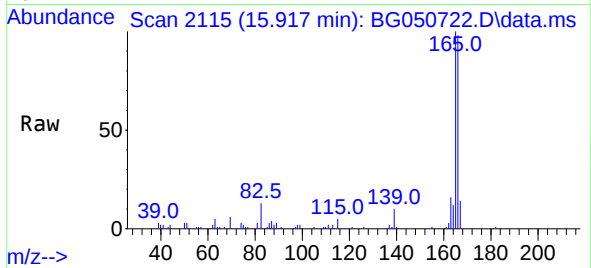
Tgt Ion:168 Resp: 22662
Ion Ratio Lower Upper
168 100
139 39.4 33.4 50.2
169 15.6 12.3 18.5





#58
Fluorene
Concen: 3.750 ng
RT: 15.917 min Scan# 2115
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

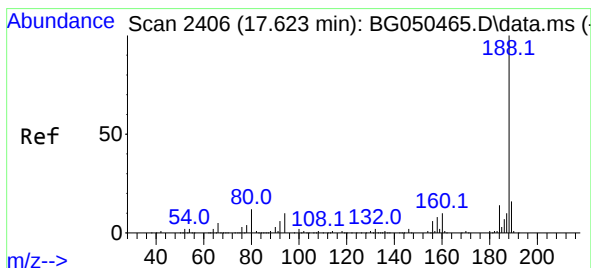
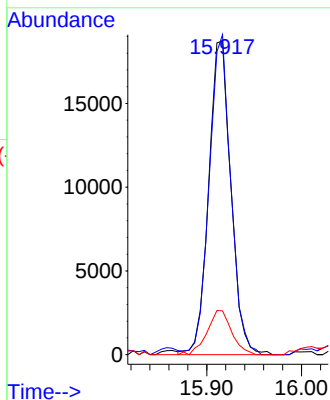
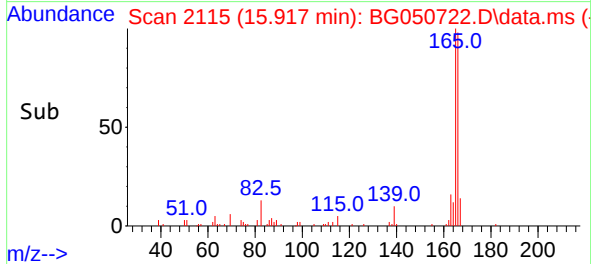
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MH-GA-(1)DL



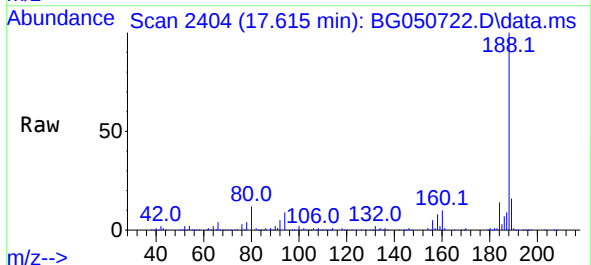
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Ion Ratio Lower Upper
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165 102.1 77.7 116.5
167 14.0 10.8 16.2

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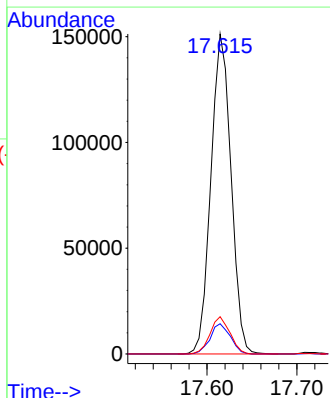
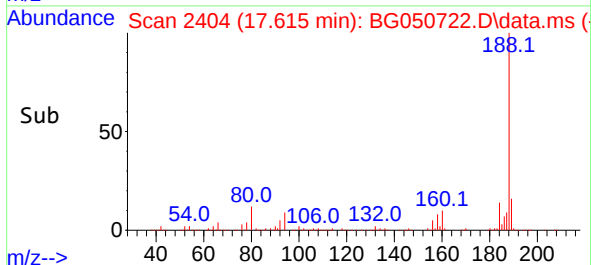
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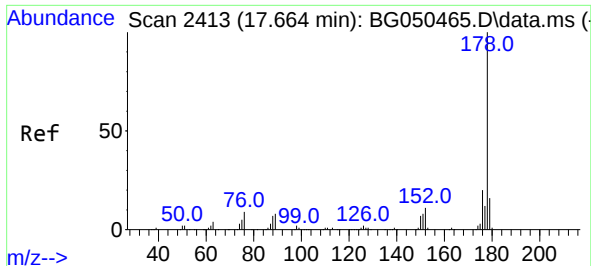


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.615 min Scan# 2404
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



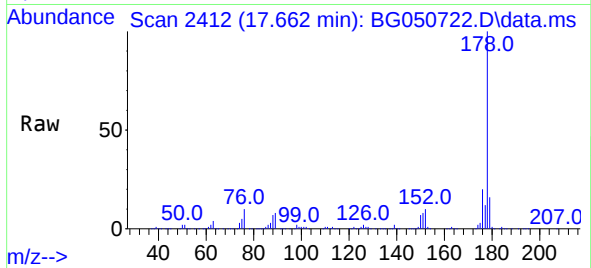
Tgt Ion:188 Resp: 235467
Ion Ratio Lower Upper
188 100
94 9.4 5.4 8.0#
80 11.6 3.7 5.5#





#71
Phenanthrene
Concen: 30.579 ng
RT: 17.662 min Scan# 2412
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

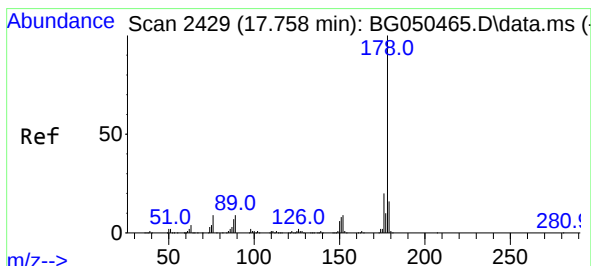
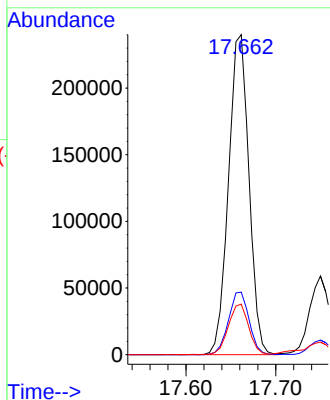
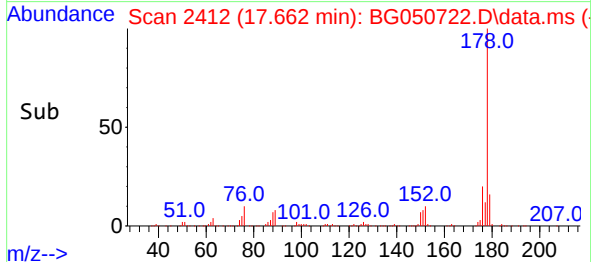
Instrument :
BNA_G
ClientSampled :
MH-GA-(1)DL



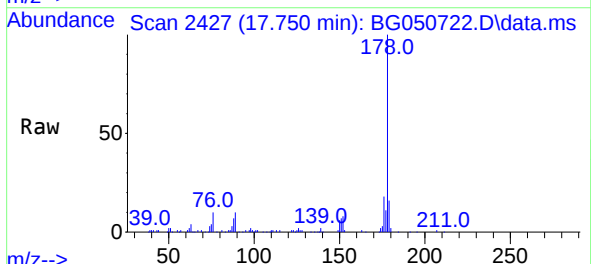
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Ion Ratio Lower Upper
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176 19.6 16.0 24.0
179 15.8 14.2 21.4

Manual Integrations
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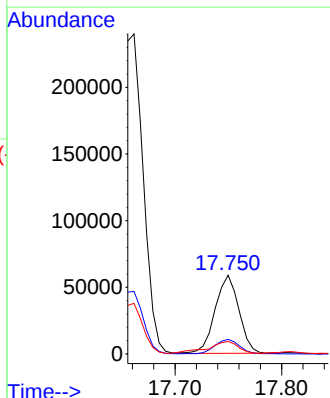
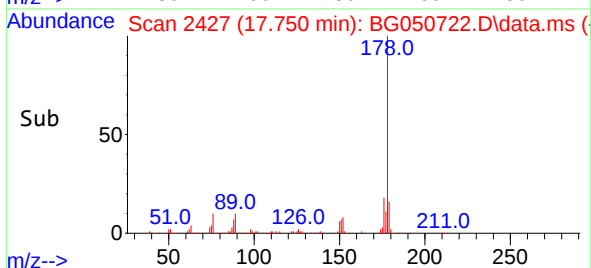
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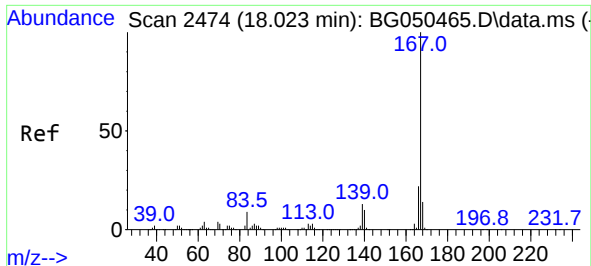


#72
Anthracene
Concen: 7.352 ng
RT: 17.750 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



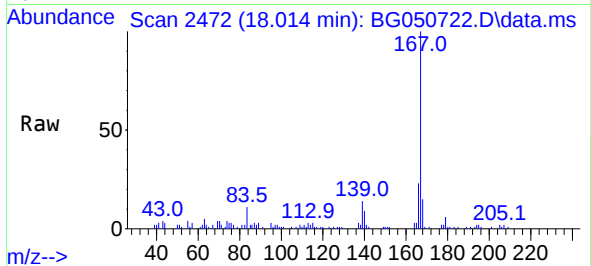
Tgt Ion:178 Resp: 90647
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.9 13.4 20.0





#73
 Carbazole
 Concen: 2.462 ng
 RT: 18.014 min Scan# 2472
 Delta R.T. -0.009 min
 Lab File: BG050722.D
 Acq: 25 Oct 2021 22:53

Instrument :
 BNA_G
 ClientSampleID :
 MH-GA-(1)DL

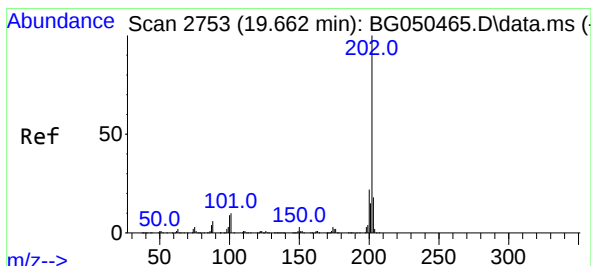
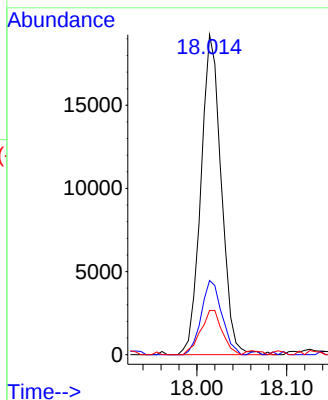
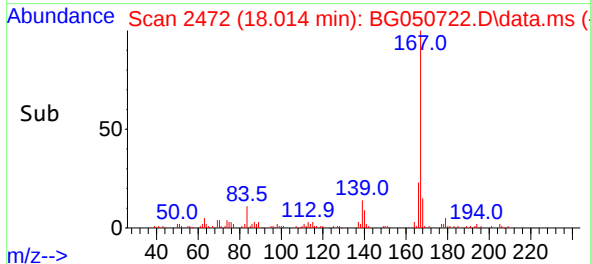


Tgt Ion:167 Resp: 30258

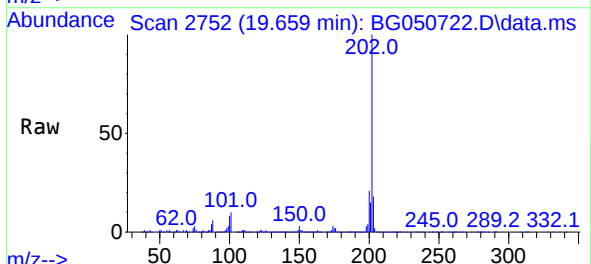
Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.4	26.2
139	13.8	10.7	16.1

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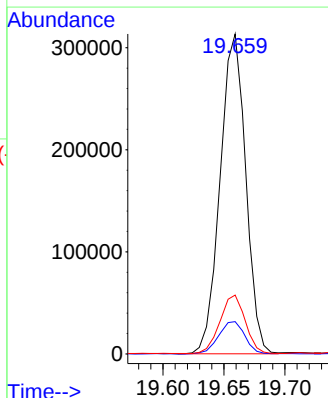
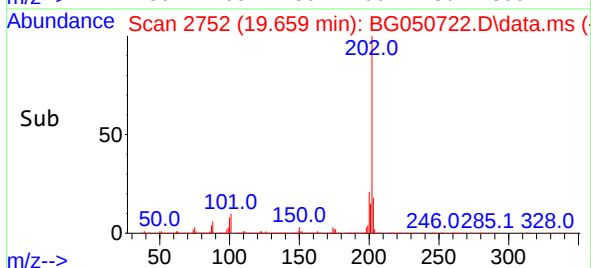


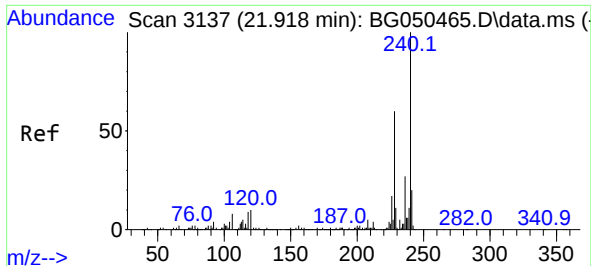
#75
 Fluoranthene
 Concen: 30.027 ng
 RT: 19.659 min Scan# 2752
 Delta R.T. -0.003 min
 Lab File: BG050722.D
 Acq: 25 Oct 2021 22:53



Tgt Ion:202 Resp: 457989

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	24.7
203	18.4	0.0	38.5





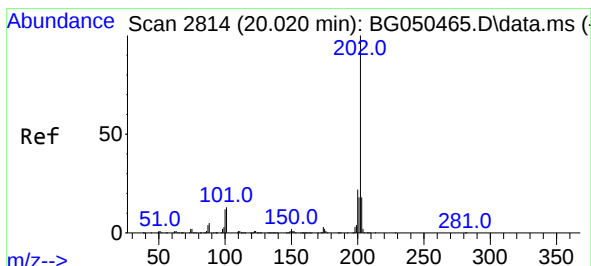
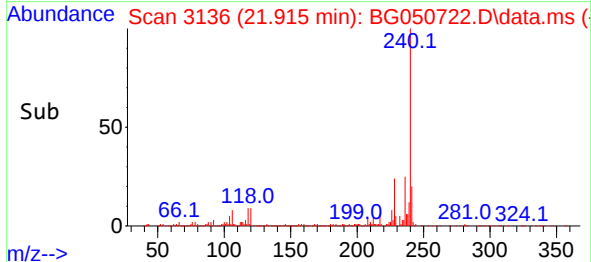
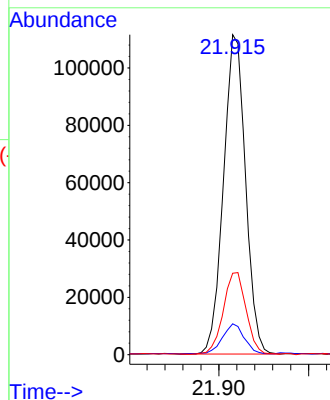
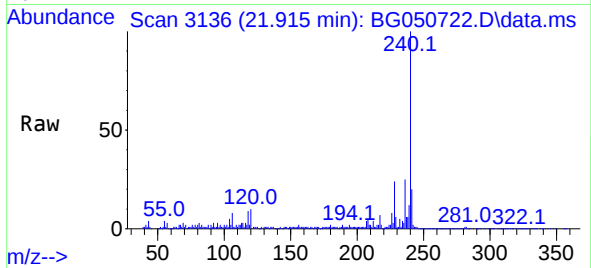
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.915 min Scan# 3136
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:240 Resp: 189665
Ion Ratio Lower Upper
240 100
120 9.7 4.2 6.2#
236 25.5 21.8 32.6

Instrument :
BNA_G
ClientSampleID :
MH-GA-(1)DL

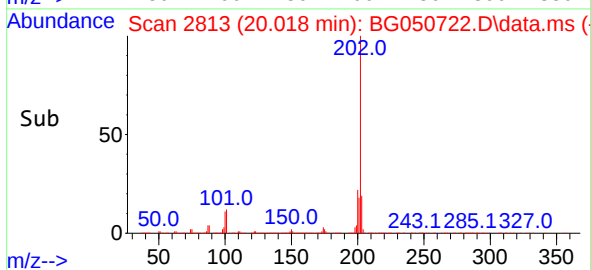
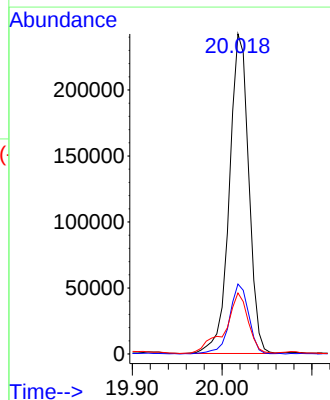
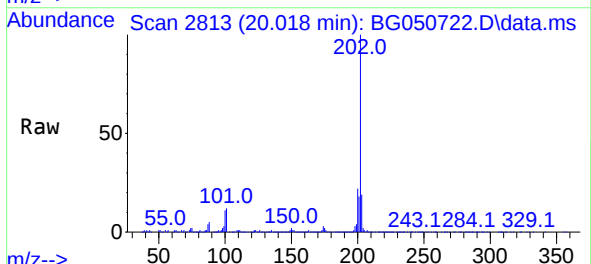
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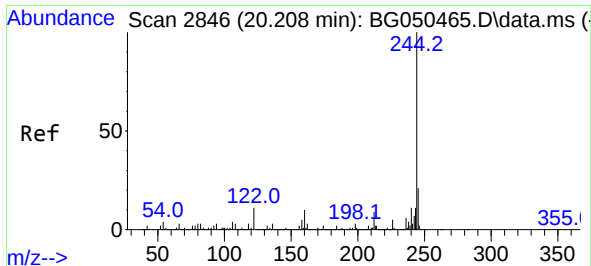
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#78
Pyrene
Concen: 26.935 ng
RT: 20.018 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

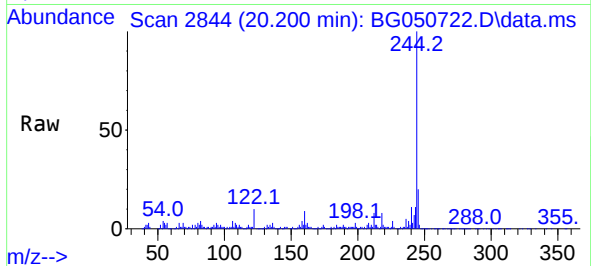
Tgt Ion:202 Resp: 362455
Ion Ratio Lower Upper
202 100
200 21.8 15.8 23.8
203 19.1 14.6 21.8





#79
Terphenyl-d14
Concen: 14.020 ng
RT: 20.200 min Scan# 2844
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

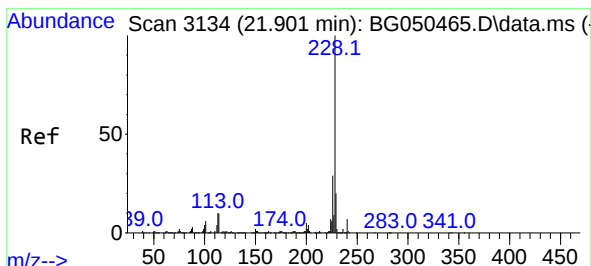
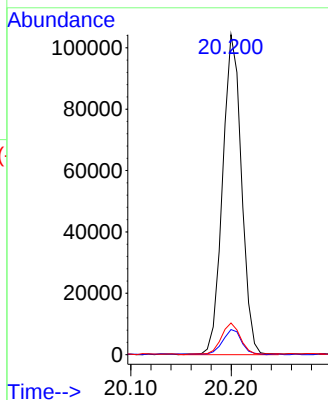
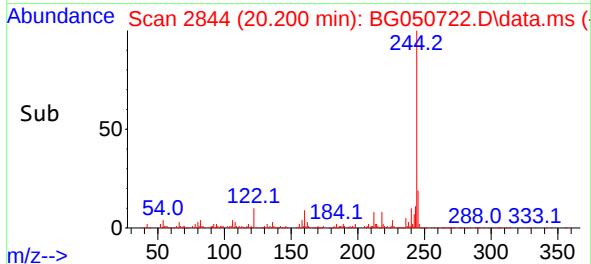
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL



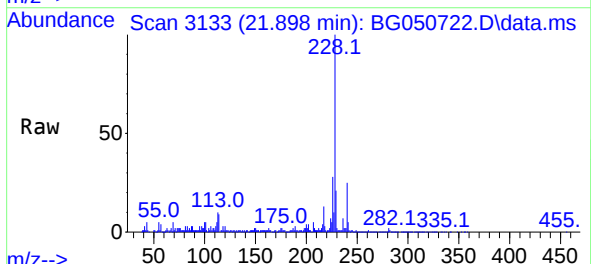
Tgt Ion:244 Resp: 136442
Ion Ratio Lower Upper
244 100
212 7.8 6.9 10.3
122 9.9 5.0 7.6#

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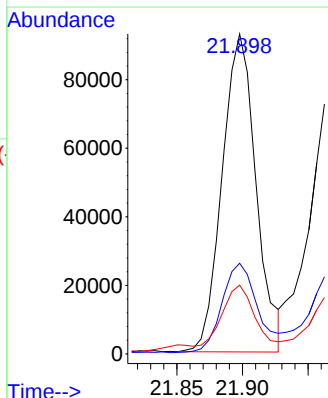
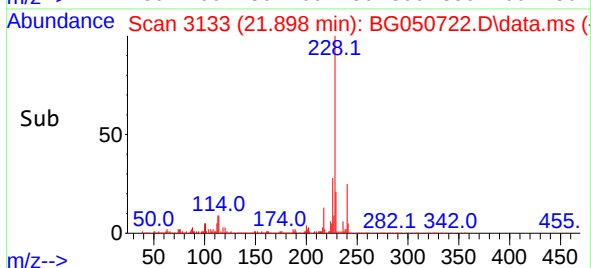
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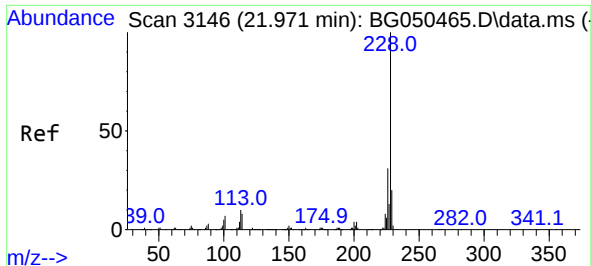


#81
Benzo(a)anthracene
Concen: 13.280 ng
RT: 21.898 min Scan# 3133
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



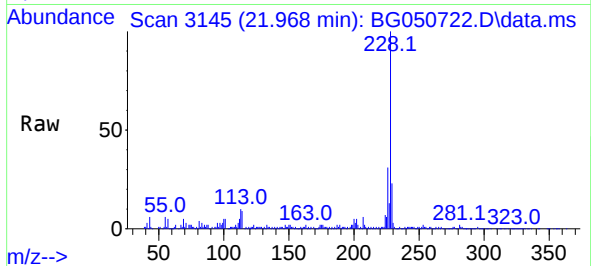
Tgt Ion:228 Resp: 166661
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 21.5 16.0 24.0





#83
Chrysene
Concen: 12.388 ng
RT: 21.968 min Scan# 3145
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

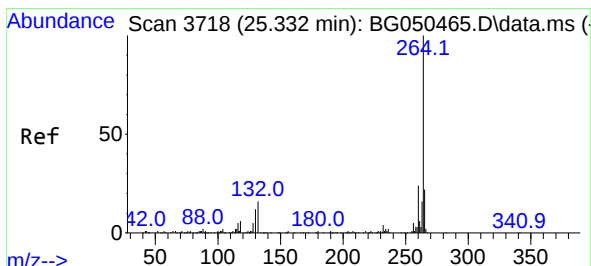
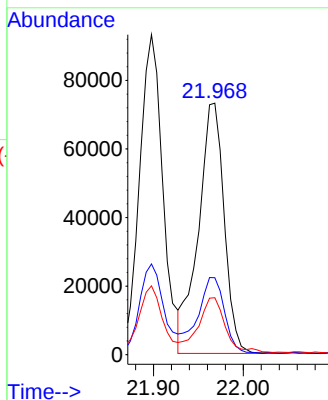
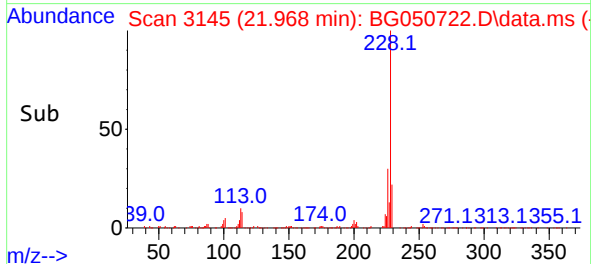
Instrument :
BNA_G
ClientSampled :
MH-GA-(1)DL



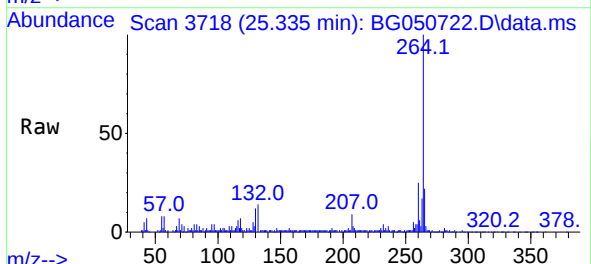
Tgt Ion:228 Resp: 146245
Ion Ratio Lower Upper
228 100
226 30.6 23.1 34.7
229 22.7 15.3 22.9

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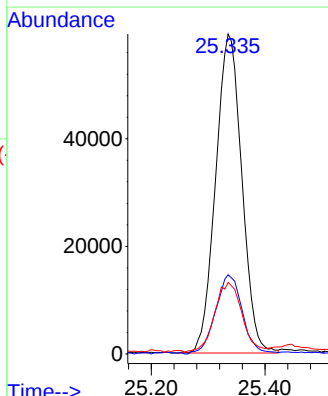
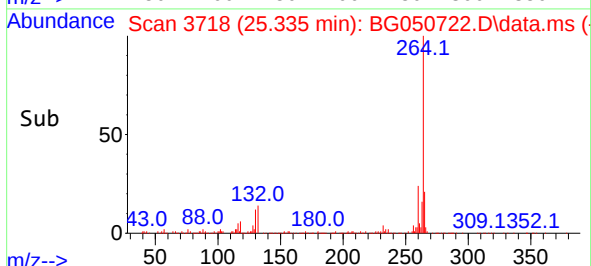
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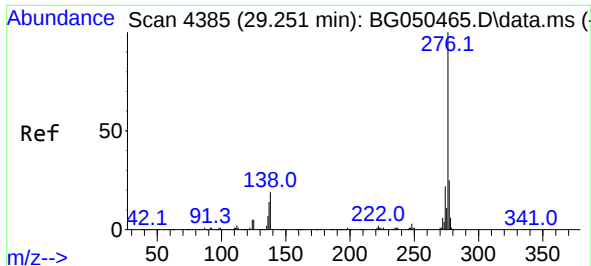


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.335 min Scan# 3718
Delta R.T. 0.002 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

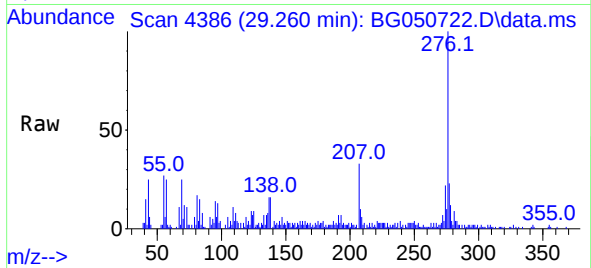


Tgt Ion:264 Resp: 189237
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.2
265 22.3 16.9 25.3

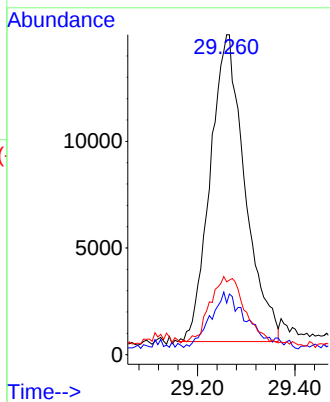
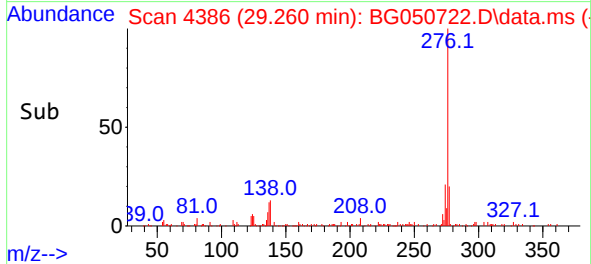




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.389 ng
RT: 29.260 min Scan# 4386
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



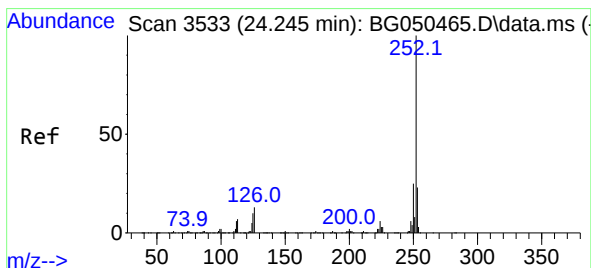
Tgt Ion: 276 Resp: 71024
Ion Ratio Lower Upper
276 100
138 18.2 5.1 7.7#
277 21.3 19.8 29.6



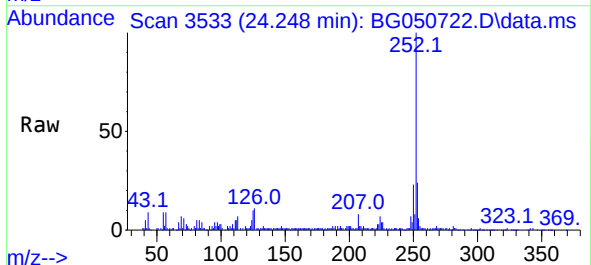
Instrument :
BNA_G
ClientSampled :
MH-GA-(1)DL

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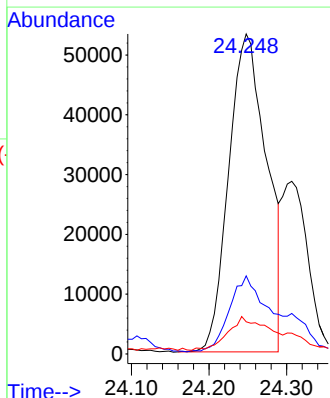
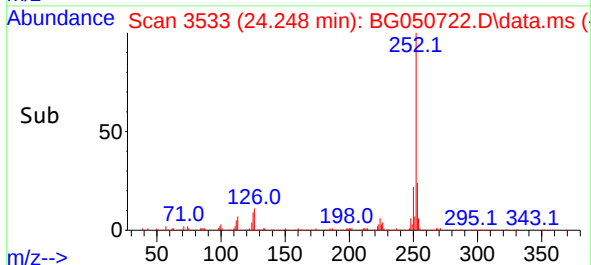
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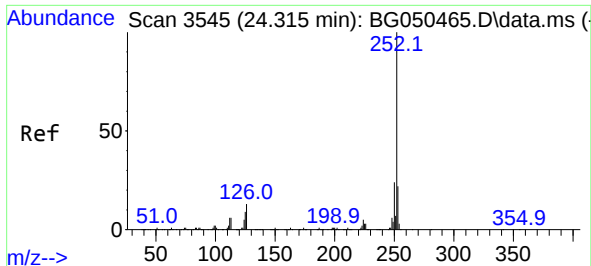


#88
Benzo(b)fluoranthene
Concen: 15.593 ng
RT: 24.248 min Scan# 3533
Delta R.T. 0.002 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



Tgt Ion: 252 Resp: 180713
Ion Ratio Lower Upper
252 100
253 24.4 16.2 24.4#
125 10.1 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 5.770 ng m

RT: 24.307 min Scan# 3543

Delta R.T. -0.009 min

Lab File: BG050722.D

Acq: 25 Oct 2021 22:53

Tgt Ion:	252	Resp:	65789
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.0	27.0
125	12.1	3.1	4.7#

Instrument :

BNA_G

ClientSampleId :

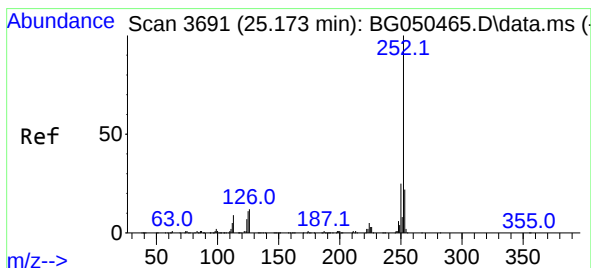
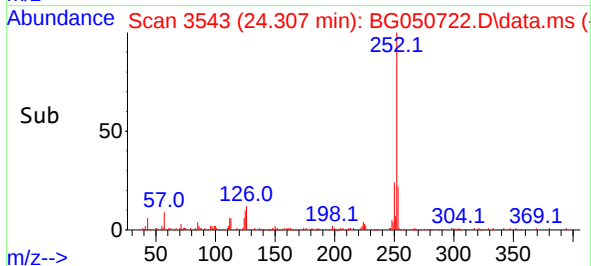
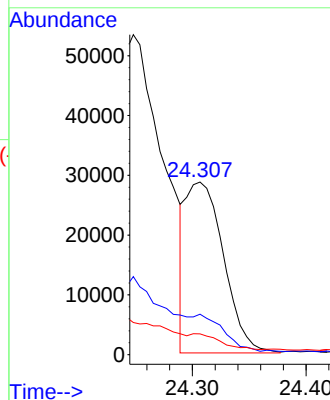
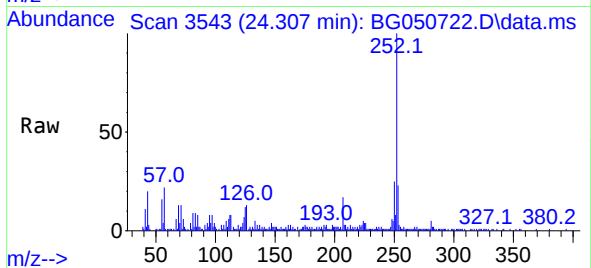
MH-GA-(1)DL

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#90

Benzo(a)pyrene

Concen: 13.025 ng

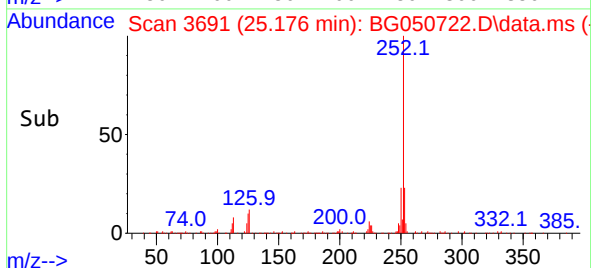
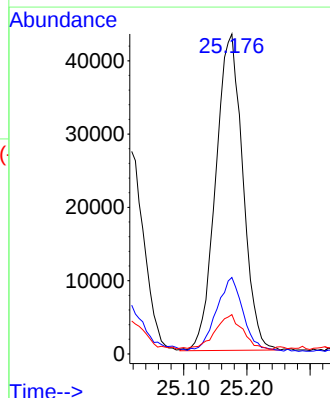
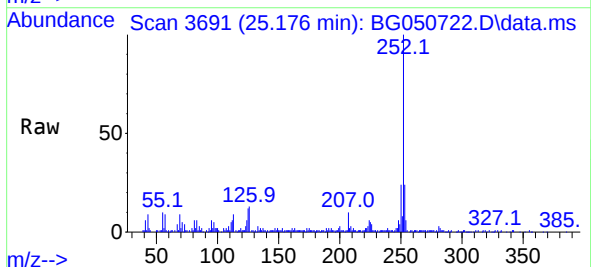
RT: 25.176 min Scan# 3691

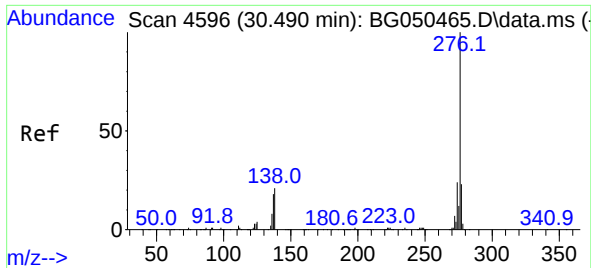
Delta R.T. 0.002 min

Lab File: BG050722.D

Acq: 25 Oct 2021 22:53

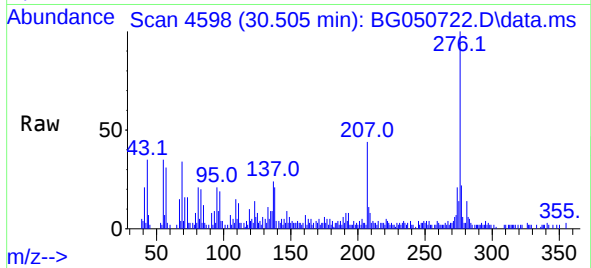
Tgt Ion:	252	Resp:	128347
Ion Ratio	Lower	Upper	
252	100		
253	23.9	16.6	25.0
125	12.3	3.5	5.3#





#92
Benzo(g,h,i)perylene
Concen: 5.814 ng m
RT: 30.505 min Scan# 4598
Delta R.T. 0.008 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

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



Tgt Ion:276 Resp: 62080
Ion Ratio Lower Upper
276 100
277 22.4 18.4 27.6
138 21.2 7.0 10.6#

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