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 Data File : BG050036.D
 Acq On : 30 Aug 2021 17:46
 Operator : CG/JU
 Sample : M3458-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AR7

Manual Integrations
 APPROVED

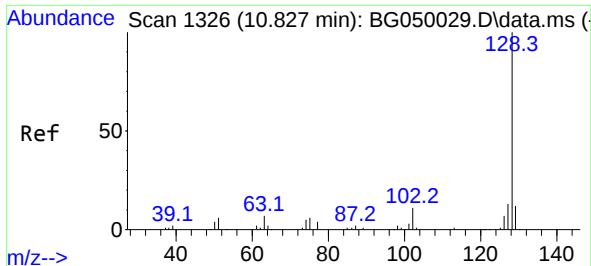
mohammad
 8/31/2021 11:35:21 AM

Quant Time: Aug 31 01:00:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.961	152	24662	20.000	ng/ul	0.00
20) Naphthalene-d8	10.781	136	108857	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.623	164	74885	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.378	188	147479	20.000	ng/ul	0.00
79) Chrysene-d12	21.654	240	128896	20.000	ng/ul	0.00
88) Perylene-d12	24.879	264	139103	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.314	96	724	1.514	ng/uL	0.00
4) Pyridine-d5	3.779	84	4305m	2.988	ng/ul	0.04
7) Phenol-d5	7.139	99	20973	10.015	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.286	67	14437	12.409	ng/ul	0.00
11) 2-Chlorophenol-d4	7.497	132	17936	11.446	ng/ul	0.00
15) 4-Methylphenol-d8	8.695	113	10817	6.559	ng/ul	0.01
21) Nitrobenzene-d5	9.136	128	10218	12.107	ng/ul	0.00
24) 2-Nitrophenol-d4	9.864	143	12952	12.889	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.422	165	21361	11.918	ng/ul	0.02
31) 4-Chloroaniline-d4	10.928	131	3990m	1.635	ng/ul	0.00
46) Dimethylphthalate-d6	14.023	166	77183	13.468	ng/ul	0.00
49) Acenaphthylene-d8	14.317	160	96370	14.341	ng/ul	0.00
54) 4-Nitrophenol-d4	14.869	143	6096	7.352	ng/ul	0.02
60) Fluorene-d10	15.615	176	67868	13.967	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.762	200	5886	6.204	ng/ul	0.00
73) Anthracene-d10	17.478	188	99949	15.092	ng/ul	0.00
81) Pyrene-d10	19.775	212	108586	15.589	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.662	264	89672	12.151	ng/ul	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.834	128	21745	3.997	ng/ul	95
36) 2-Methylnaphthalene	12.443	142	10372	2.564	ng/ul	94
37) 1-Methylnaphthalene	12.666	142	9644	2.362	ng/ul	87
50) Acenaphthylene	14.352	152	10571	1.721	ng/ul#	91
52) Acenaphthene	14.687	153	7978	1.791	ng/ul	97
56) Dibenzofuran	15.022	168	25065	4.063	ng/ul	93
61) Fluorene	15.674	166	15458	2.970	ng/ul	93
72) Phenanthrene	17.425	178	384002	52.229	ng/ul	98
74) Anthracene	17.513	178	76803	10.308	ng/ul#	91
77) Carbazole	17.783	167	37593	5.670	ng/ul	96
80) Fluoranthene	19.440	202	587809	68.387	ng/ul	99
82) Pyrene	19.804	202	405772	47.641	ng/ul	99
85) Benzo(a)anthracene	21.637	228	227862	28.371	ng/ul	100
87) Chrysene	21.701	228	222206	29.268	ng/ul	96
90) Benzo(b)fluoranthene	23.863	252	262052	29.451	ng/ul#	97
91) Benzo(k)fluoranthene	23.916	252	104975m	12.412	ng/ul	
93) Benzo(a)pyrene	24.733	252	144510	18.701	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.574	276	111116	10.901	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.615	278	36484m	4.276	ng/ul	
96) Benzo(g,h,i)perylene	29.737	276	10602m	1.237	ng/ul	

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



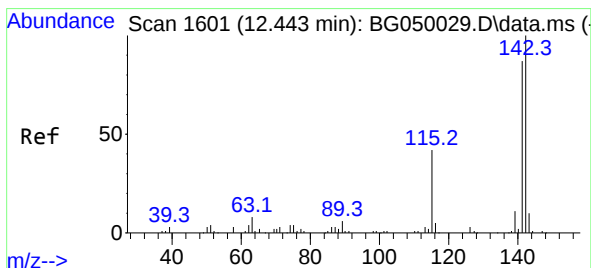
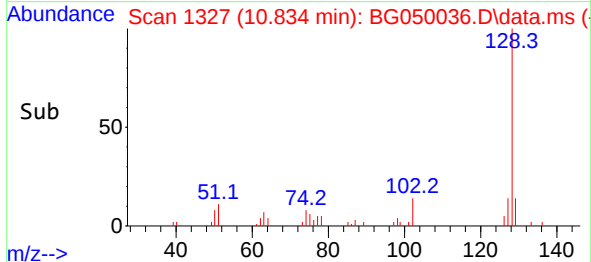
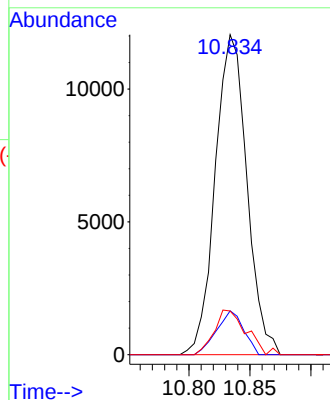
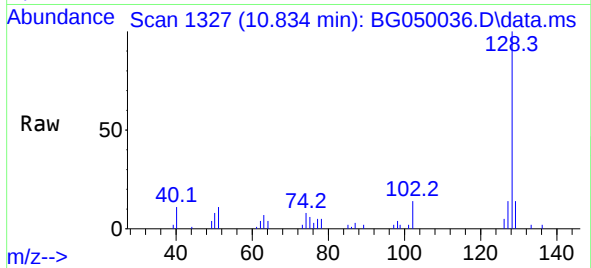
#30
Naphthalene
Concen: 3.997 ng/ul
RT: 10.834 min Scan# 1327
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:	128	Resp:	21745
Ion Ratio	Lower	Upper	
128	100		
129	13.7	9.3	13.9
127	13.6	9.8	14.6

Instrument :
BNA_G
ClientSampled :
C0AR7

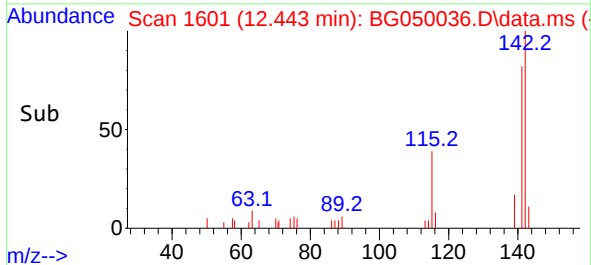
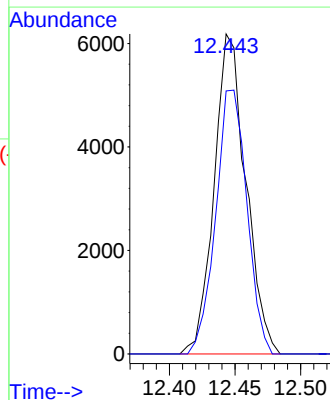
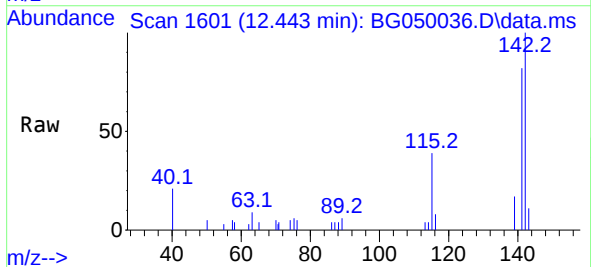
Manual Integrations
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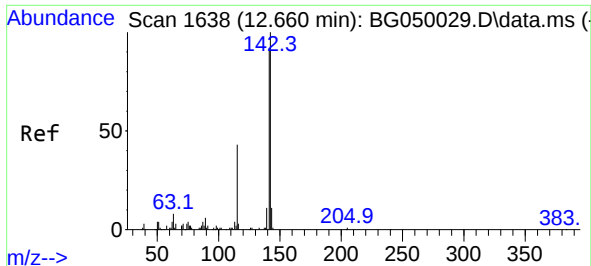
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#36
2-Methylnaphthalene
Concen: 2.564 ng/ul
RT: 12.443 min Scan# 1601
Delta R.T. 0.001 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

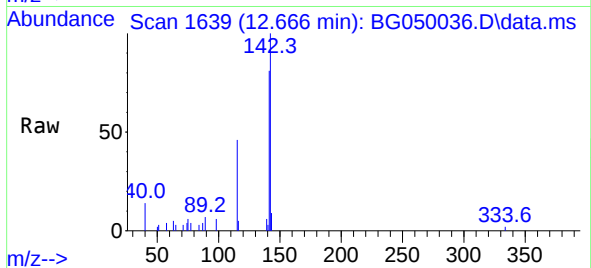
Tgt Ion:	142	Resp:	10372
Ion Ratio	Lower	Upper	
142	100		
141	82.2	70.5	105.7





#37
1-Methylnaphthalene
Concen: 2.362 ng/ul
RT: 12.666 min Scan# 1639
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

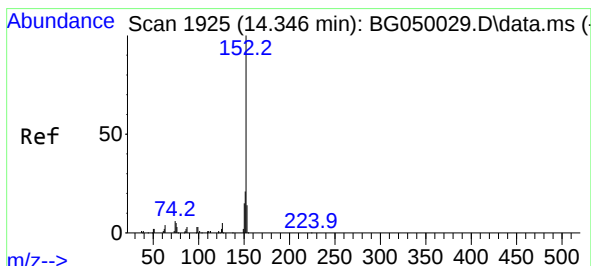
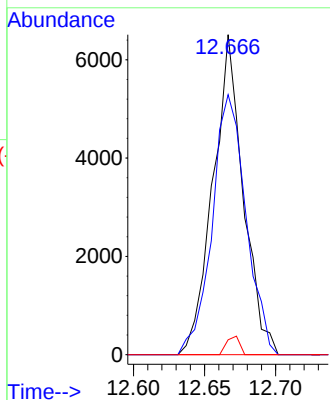
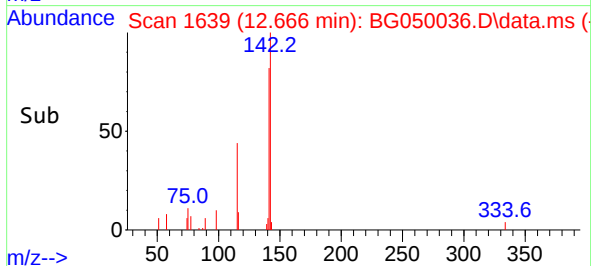
Instrument :
BNA_G
ClientSampled :
C0AR7



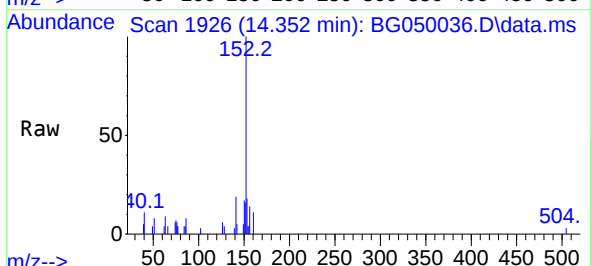
Tgt Ion:142 Resp: 9644
Ion Ratio Lower Upper
142 100
141 81.2 75.8 113.8
116 4.7 3.7 5.5

Manual Integrations
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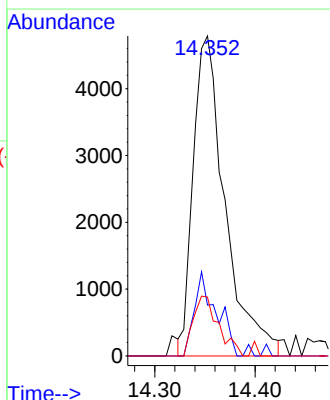
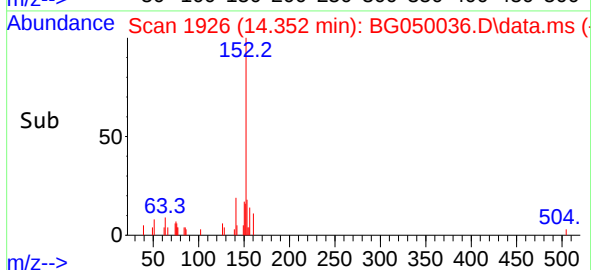
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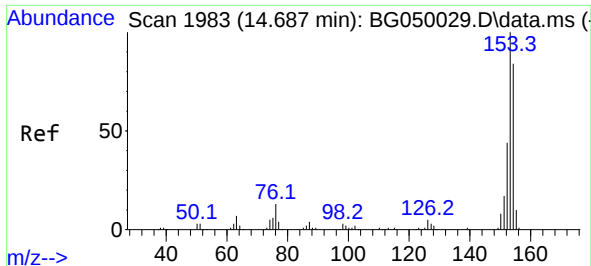


#50
Acenaphthylene
Concen: 1.721 ng/ul
RT: 14.352 min Scan# 1926
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46



Tgt Ion:152 Resp: 10571
Ion Ratio Lower Upper
152 100
151 15.9 15.2 22.8
153 18.4 10.7 16.1#





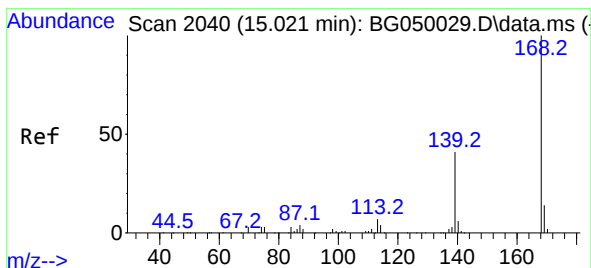
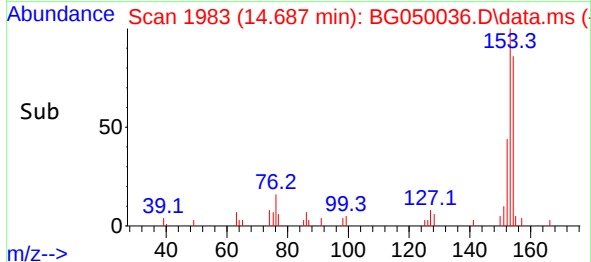
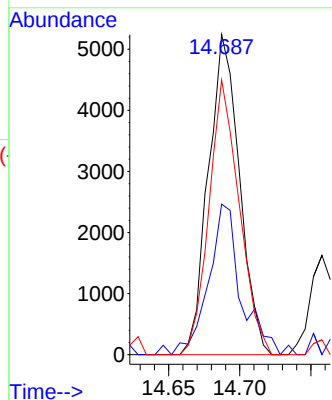
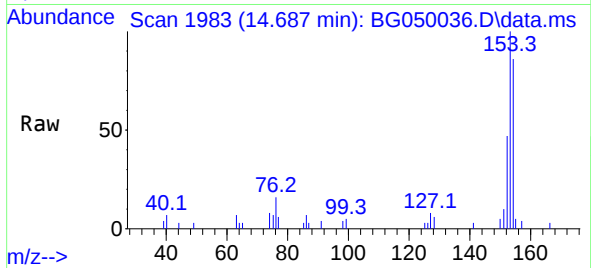
#52
Acenaphthene
Concen: 1.791 ng/u1
RT: 14.687 min Scan# 1983
Delta R.T. 0.001 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:153 Resp: 7978
Ion Ratio Lower Upper
153 100
152 47.0 37.4 56.2
154 85.9 71.5 107.3

Instrument :
BNA_G
ClientSampled :
C0AR7

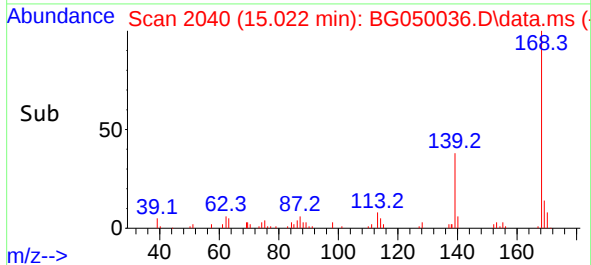
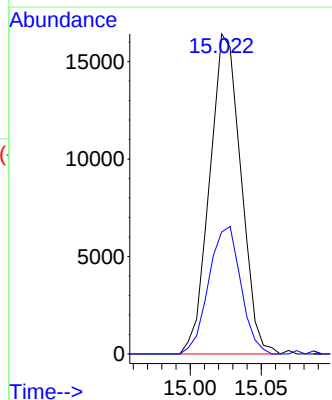
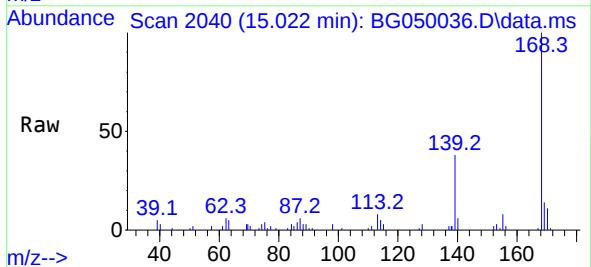
Manual Integrations
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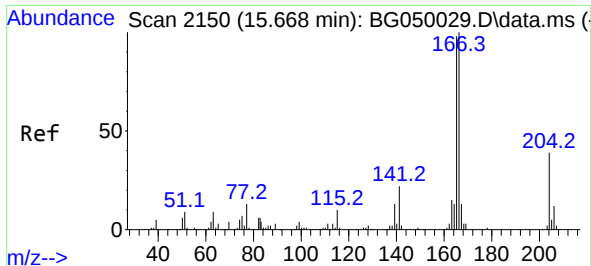
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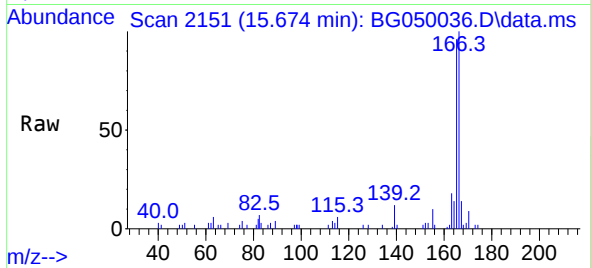
#56
Dibenzofuran
Concen: 4.063 ng/u1
RT: 15.022 min Scan# 2040
Delta R.T. 0.001 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:168 Resp: 25065
Ion Ratio Lower Upper
168 100
139 38.1 33.8 50.8

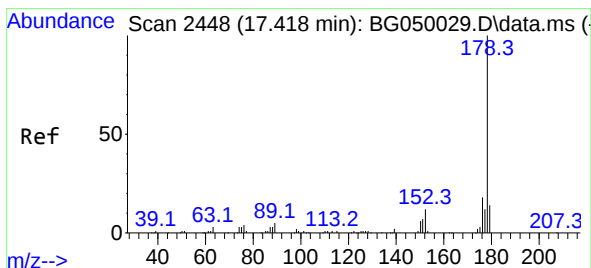
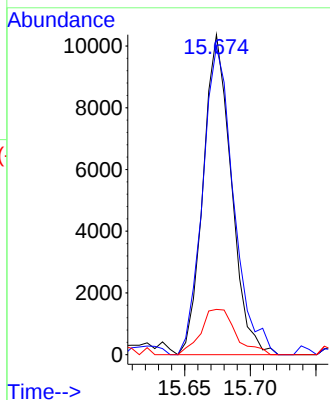
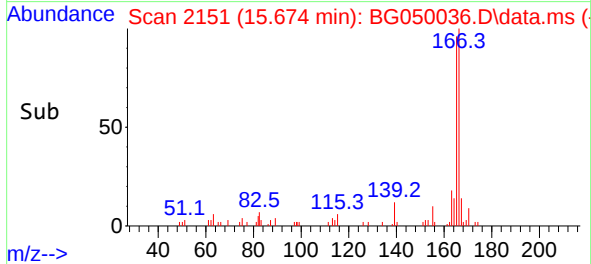




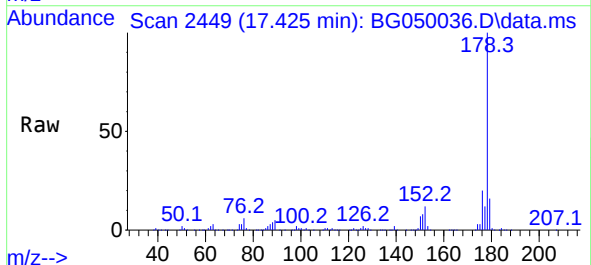
#61
Fluorene
Concen: 2.970 ng/ul
RT: 15.674 min Scan# 2151
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46



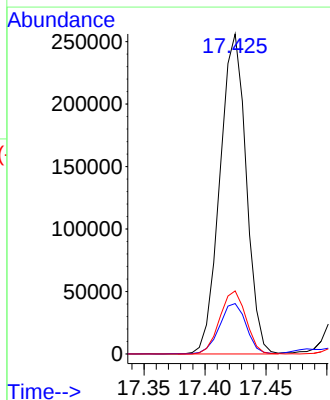
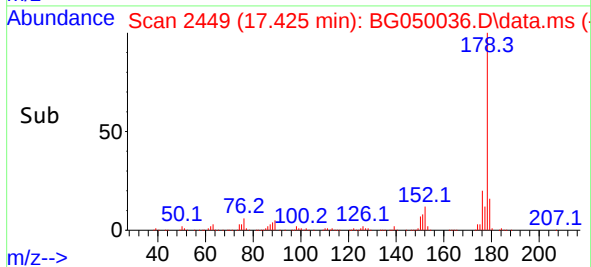
Tgt Ion:166 Resp: 15458
Ion Ratio Lower Upper
166 100
165 96.4 83.3 124.9
167 14.2 11.8 17.6



#72
Phenanthrene
Concen: 52.229 ng/ul
RT: 17.425 min Scan# 2449
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46



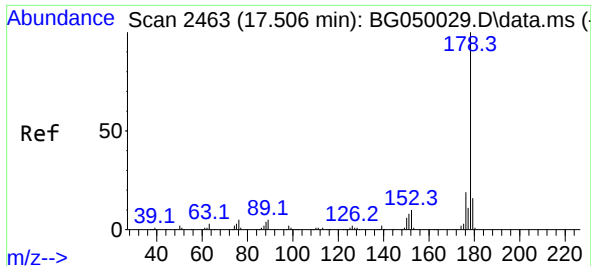
Tgt Ion:178 Resp: 384002
Ion Ratio Lower Upper
178 100
179 15.7 11.7 17.5
176 19.7 16.2 24.2



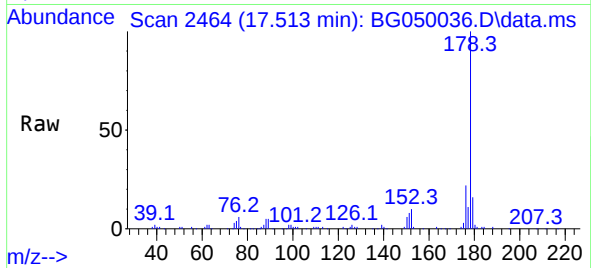
Instrument :
BNA_G
ClientSampled :
C0AR7

Manual Integrations
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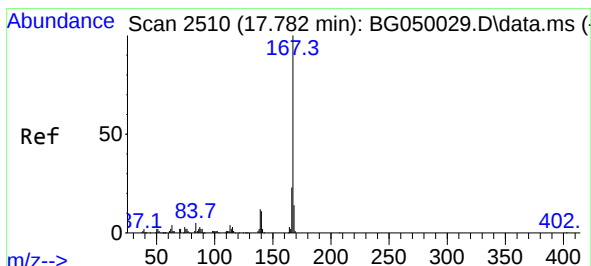
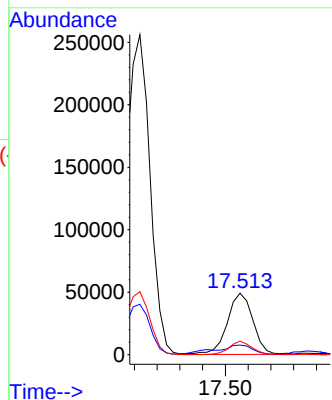
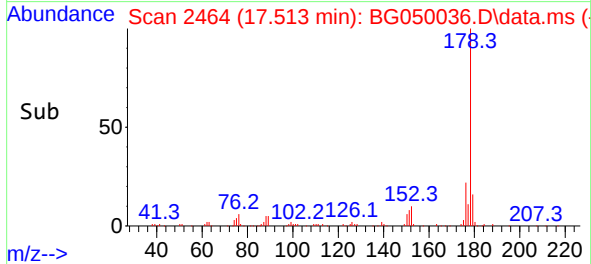
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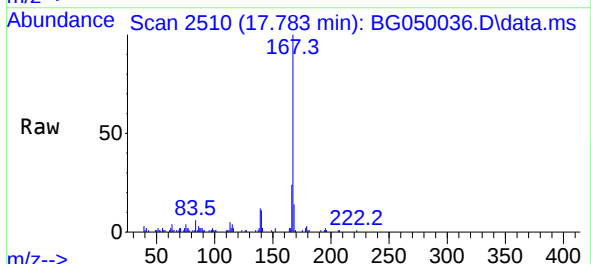
#74
 Anthracene
 Concen: 10.308 ng/uI
 RT: 17.513 min Scan# 2464
 Delta R.T. 0.007 min
 Lab File: BG050036.D
 Acq: 30 Aug 2021 17:46



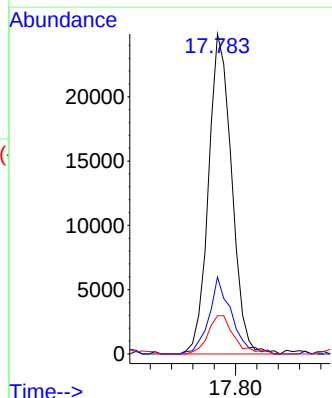
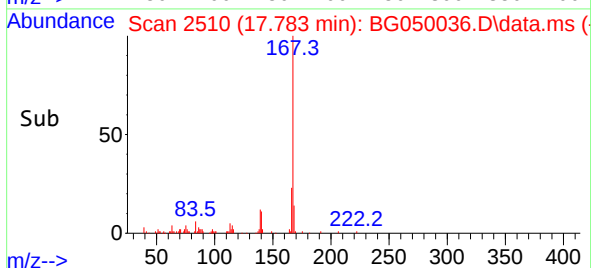
Tgt Ion:178 Resp: 76803
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.4 17.0
 176 22.1 12.8 19.2#



#77
 Carbazole
 Concen: 5.670 ng/uI
 RT: 17.783 min Scan# 2510
 Delta R.T. 0.001 min
 Lab File: BG050036.D
 Acq: 30 Aug 2021 17:46



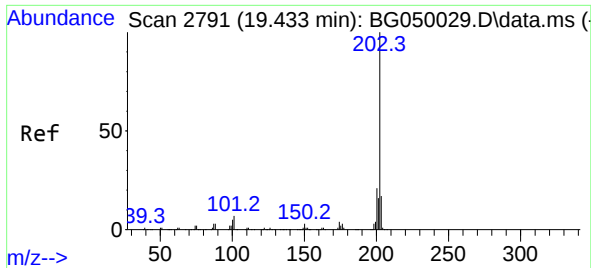
Tgt Ion:167 Resp: 37593
 Ion Ratio Lower Upper
 167 100
 166 24.0 17.8 26.8
 139 11.9 11.1 16.7



Instrument :
 BNA_G
 ClientSampled :
 C0AR7

Manual Integrations
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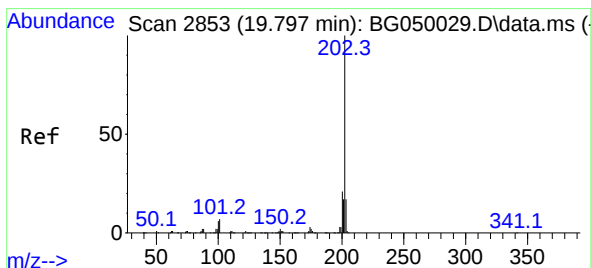
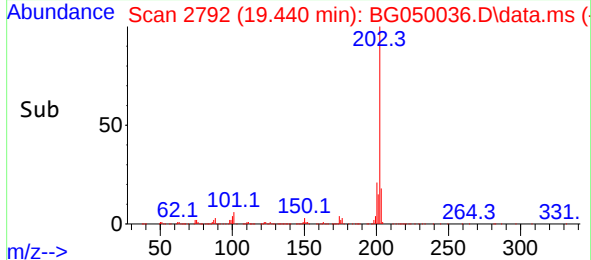
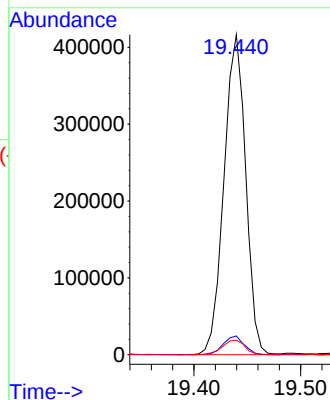
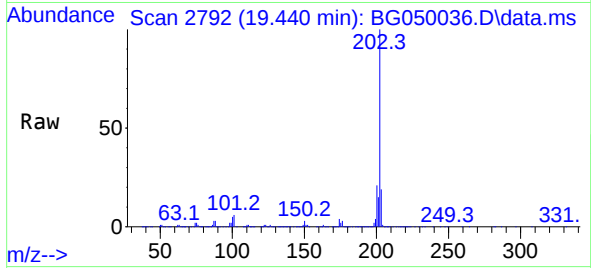
#80
Fluoranthene
Concen: 68.387 ng/uI
RT: 19.440 min Scan# 2792
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:	202	Resp:	587809
Ion Ratio	Lower	Upper	
202	100		
101	5.9	4.3	6.5
100	4.5	3.5	5.3

Instrument :
BNA_G
ClientSampled :
C0AR7

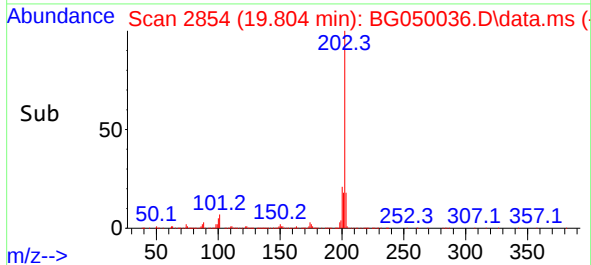
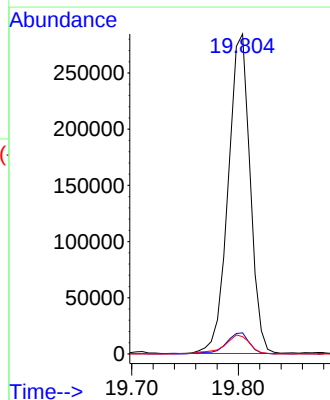
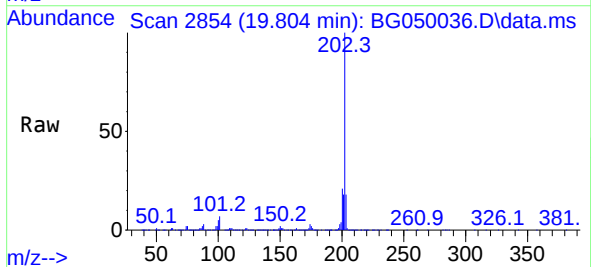
Manual Integrations
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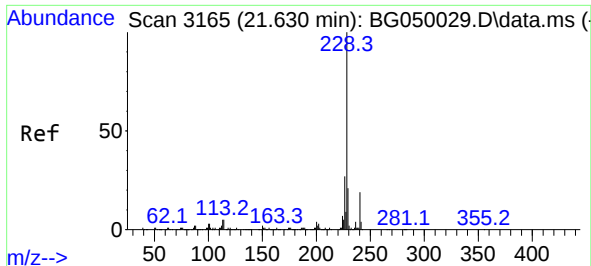
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#82
Pyrene
Concen: 47.641 ng/uI
RT: 19.804 min Scan# 2854
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:	202	Resp:	405772
Ion Ratio	Lower	Upper	
202	100		
101	6.6	5.4	8.0
100	5.4	5.0	7.6





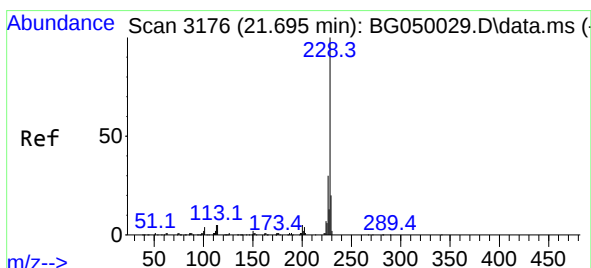
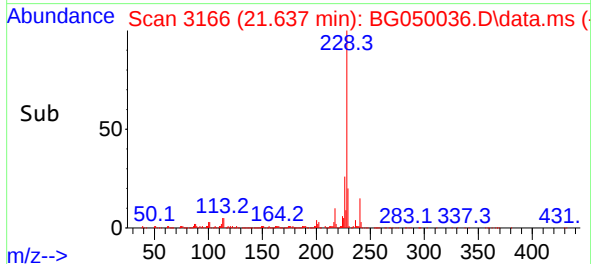
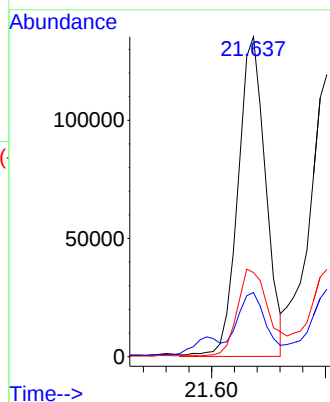
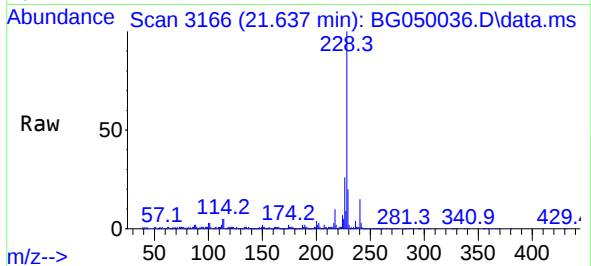
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Benzo(a)anthracene
Concen: 28.371 ng/u1
RT: 21.637 min Scan# 3166
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:228 Resp: 227862
Ion Ratio Lower Upper
228 100
229 20.0 16.2 24.4
226 26.3 21.0 31.4

Instrument :
BNA_G
ClientSampled :
C0AR7

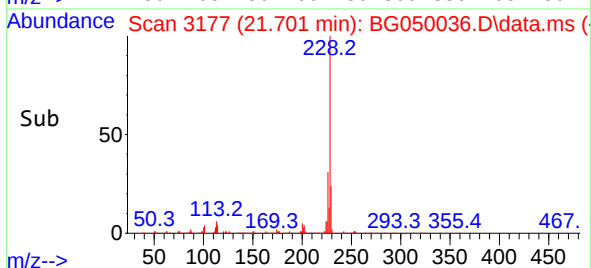
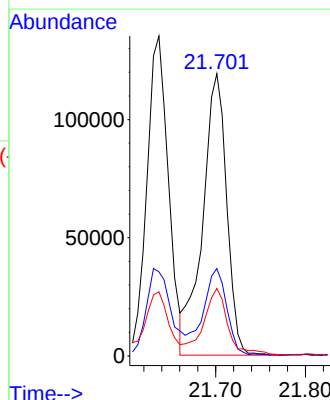
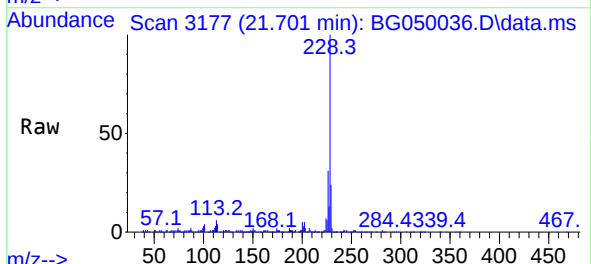
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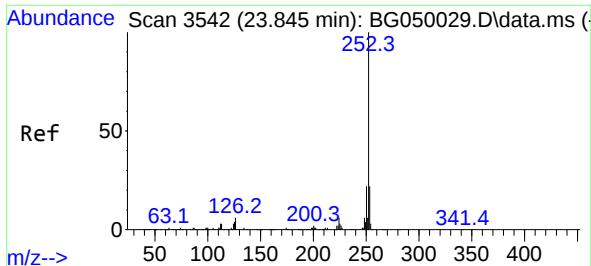
mohammad
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#87
Chrysene
Concen: 29.268 ng/u1
RT: 21.701 min Scan# 3177
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:228 Resp: 222206
Ion Ratio Lower Upper
228 100
226 31.0 23.0 34.4
229 23.9 17.8 26.6





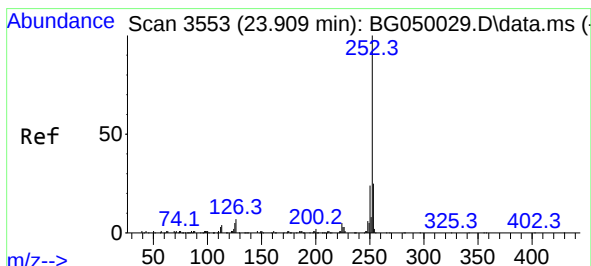
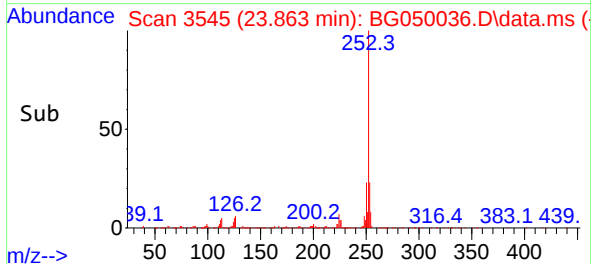
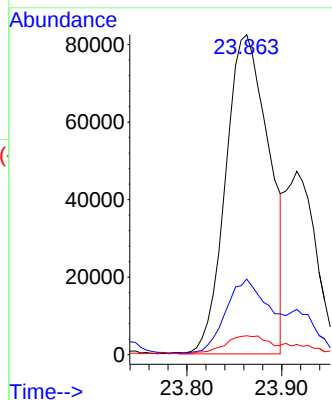
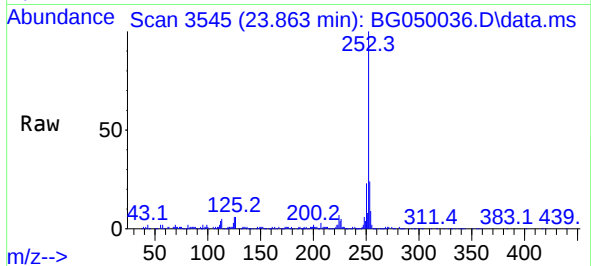
#90
Benzo(b)fluoranthene
Concen: 29.451 ng/ul
RT: 23.863 min Scan# 3545
Delta R.T. 0.018 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:252 Resp: 262052
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 5.9 3.4 5.0#

Instrument :
BNA_G
ClientSampled :
C0AR7

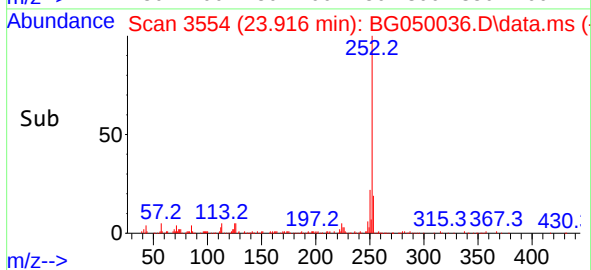
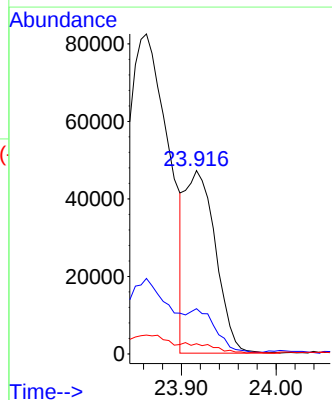
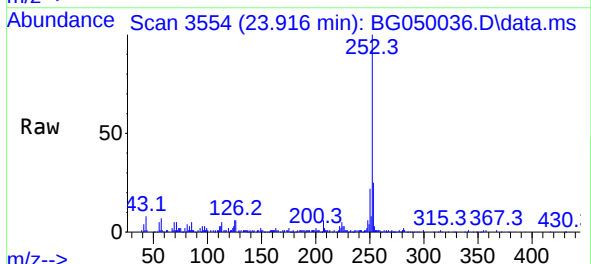
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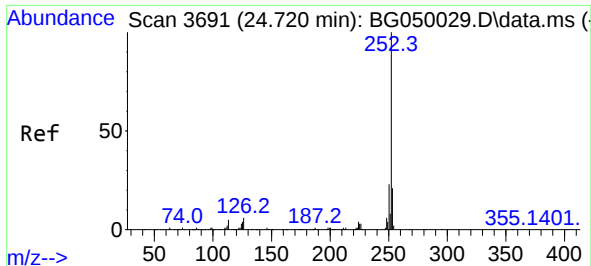
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#91
Benzo(k)fluoranthene
Concen: 12.412 ng/ul m
RT: 23.916 min Scan# 3554
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion:252 Resp: 104975
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 5.6 4.1 6.1





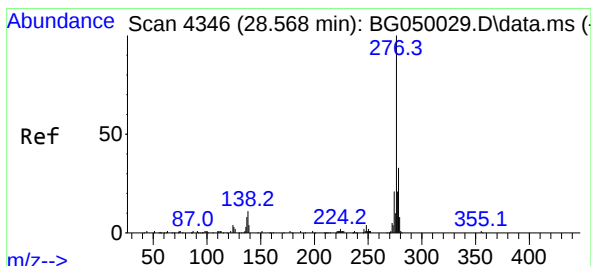
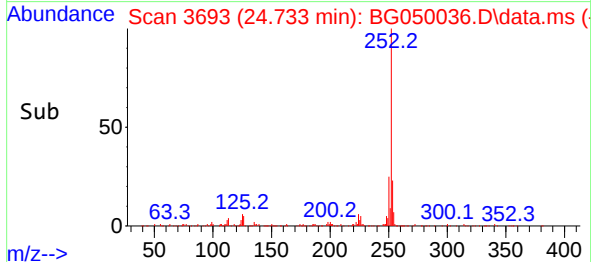
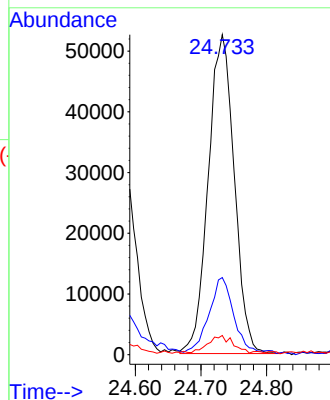
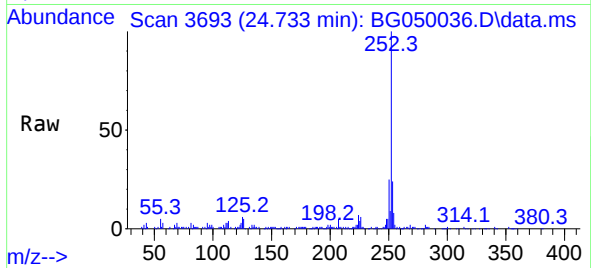
#93
Benzo(a)pyrene
Concen: 18.701 ng/ul
RT: 24.733 min Scan# 3693
Delta R.T. 0.012 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion: 252 Resp: 144510
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 6.0 4.4 6.6

Instrument :
BNA_G
ClientSampled :
C0AR7

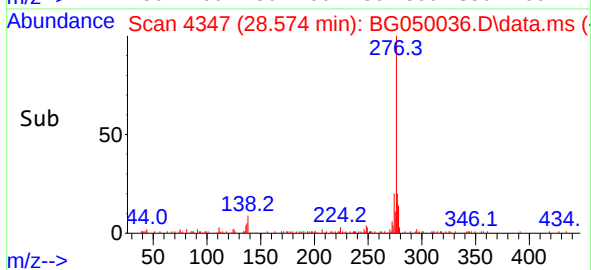
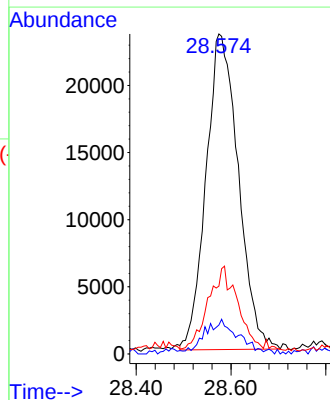
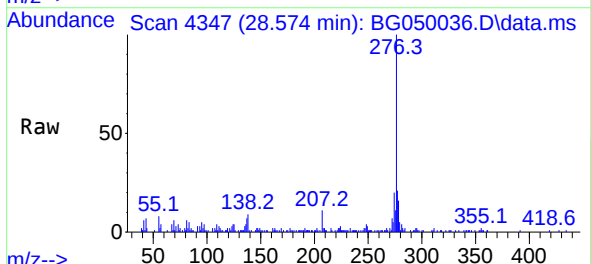
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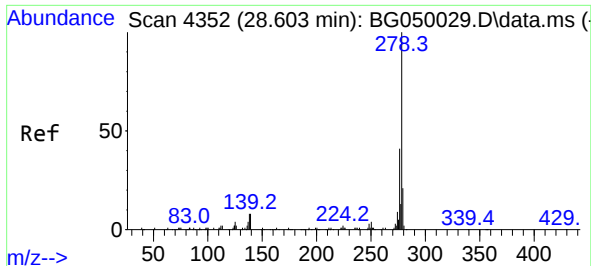
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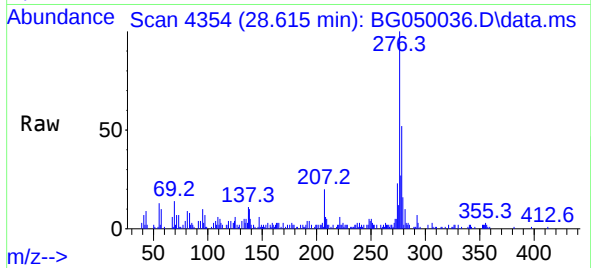
#94
Indeno(1,2,3-cd)pyrene
Concen: 10.901 ng/ul
RT: 28.574 min Scan# 4347
Delta R.T. 0.007 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46

Tgt Ion: 276 Resp: 111116
Ion Ratio Lower Upper
276 100
138 9.1 5.5 8.3#
277 21.2 18.6 27.8

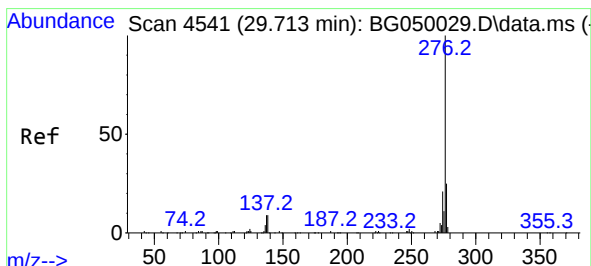
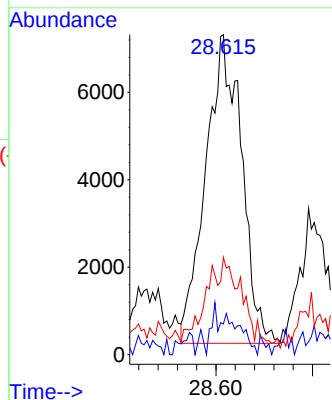
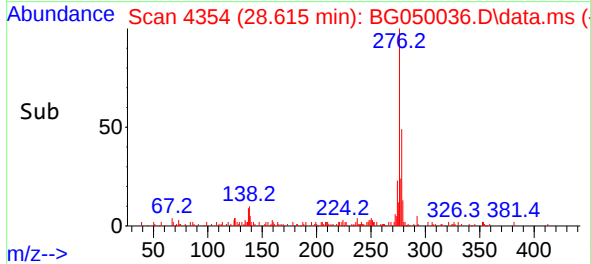




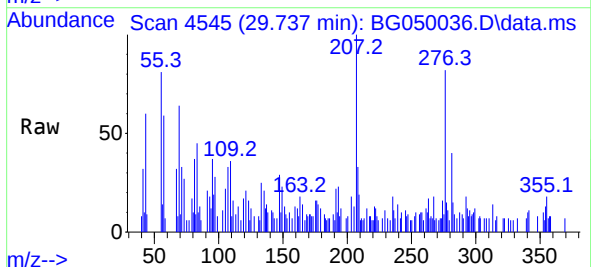
#95
Dibenzo(a,h)anthracene
Concen: 4.276 ng/ul m
RT: 28.615 min Scan# 4354
Delta R.T. 0.012 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46



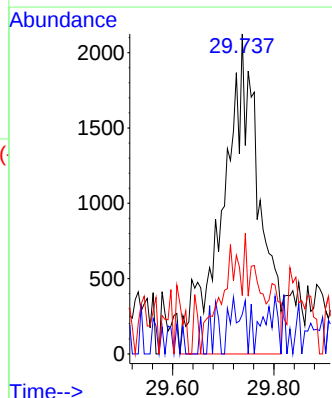
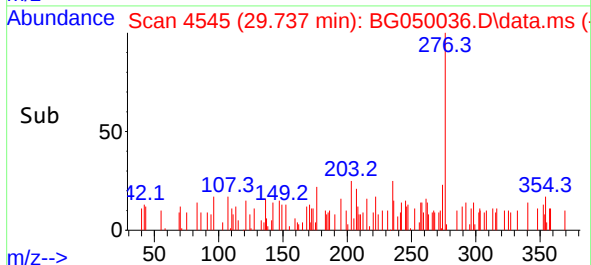
Tgt Ion: 278 Resp: 36484
Ion Ratio Lower Upper
278 100
139 9.6 5.2 7.8#
279 30.4 19.0 28.4#



#96
Benzo(g,h,i)perylene
Concen: 1.237 ng/ul m
RT: 29.737 min Scan# 4545
Delta R.T. 0.024 min
Lab File: BG050036.D
Acq: 30 Aug 2021 17:46



Tgt Ion: 276 Resp: 10602
Ion Ratio Lower Upper
276 100
138 12.4 8.6 13.0
277 18.2 17.4 26.0



Instrument :
BNA_G
ClientSampleId :
C0AR7

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