

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081121\
 Data File : BG049805.D
 Acq On : 12 Aug 2021 2:34
 Operator : CG/JU
 Sample : M3287-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGB03

Manual Integrations
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Quant Time: Aug 12 03:14:42 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 10 16:55:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	30459	20.000	ng/ul	0.00
20) Naphthalene-d8	10.860	136	128081	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.690	164	87783	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.445	188	163042	20.000	ng/ul	0.00
79) Chrysene-d12	21.727	240	138239	20.000	ng/ul	# 0.00
88) Perylene-d12	25.011	264	147406	20.000	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.417	96	1893	2.906	ng/uL	0.00
4) Pyridine-d5	3.852	84	14637	7.487	ng/ul	0.01
7) Phenol-d5	7.194	99	42177	15.258	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.353	67	25533	16.080	ng/ul	0.00
11) 2-Chlorophenol-d4	7.570	132	34756	17.567	ng/ul	0.00
15) 4-Methylphenol-d8	8.751	113	28992	13.755	ng/ul	0.00
21) Nitrobenzene-d5	9.203	128	19093	18.924	ng/ul	0.00
24) 2-Nitrophenol-d4	9.932	143	21770	18.894	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.484	165	40682	18.725	ng/ul	0.00
31) 4-Chloroaniline-d4	10.989	131	36250	12.188	ng/ul	0.00
46) Dimethylphthalate-d6	14.085	166	136441	19.806	ng/ul	0.00
49) Acenaphthylene-d8	14.384	160	160954	19.639	ng/ul	0.00
54) 4-Nitrophenol-d4	14.901	143	14918	13.394	ng/ul	0.00
60) Fluorene-d10	15.683	176	116784	19.722	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.812	200	9421	8.585	ng/ul	0.01
73) Anthracene-d10	17.545	188	163567	21.253	ng/ul	0.00
81) Pyrene-d10	19.836	212	174615	22.925	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.788	264	167800	20.775	ng/ul	0.02
Target Compounds					Qvalue	
16) Acetophenone	8.868	105	6046	1.728	ng/ul#	81
30) Naphthalene	10.913	128	16995	2.541	ng/ul#	96
36) 2-Methylnaphthalene	12.516	142	16681	3.257	ng/ul	96
37) 1-Methylnaphthalene	12.734	142	7364	1.478	ng/ul	88
43) 1,1'-Biphenyl	13.521	154	7945	1.215	ng/ul	90
50) Acenaphthylene	14.414	152	28458	3.680	ng/ul	99
52) Acenaphthene	14.755	153	62616	11.337	ng/ul	97
56) Dibenzofuran	15.089	168	57252	7.472	ng/ul	97
61) Fluorene	15.736	166	122273	19.624	ng/ul	91
72) Phenanthrene	17.486	178	625577	72.493	ng/ul	98
74) Anthracene	17.580	178	729797	84.543	ng/ul	98
77) Carbazole	17.845	167	163068	21.139	ng/ul	98
80) Fluoranthene	19.501	202	1063335	113.121	ng/ul	99
82) Pyrene	19.865	202	1042793	111.225	ng/ul	100
85) Benzo(a)anthracene	21.710	228	403213	44.425	ng/ul	94
87) Chrysene	21.780	228	533807	62.974	ng/ul	97
90) Benzo(b)fluoranthene	23.977	252	525670	54.561	ng/ul	100
91) Benzo(k)fluoranthene	24.024	252	145424m	15.202	ng/ul	
93) Benzo(a)pyrene	24.864	252	296718	34.984	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.759	276	163806	14.717	ng/ul#	97
95) Dibenzo(a,h)anthracene	28.806	278	49415m	5.322	ng/ul	
96) Benzo(g,h,i)perylene	29.952	276	126000m	13.613	ng/ul	

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

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

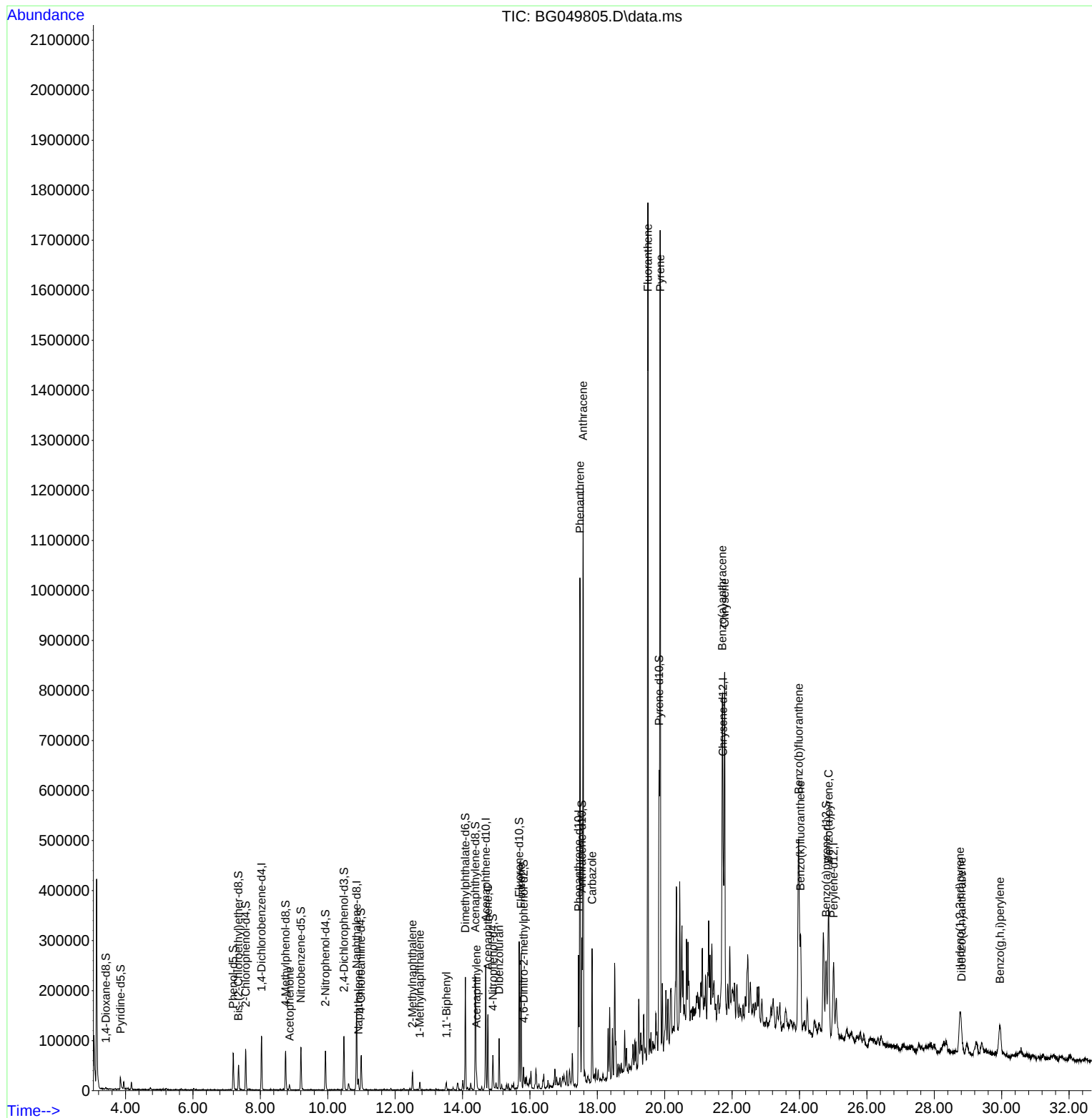
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Operator : CG/JU
Sample : M3287-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

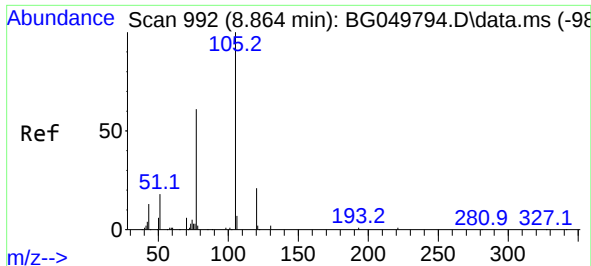
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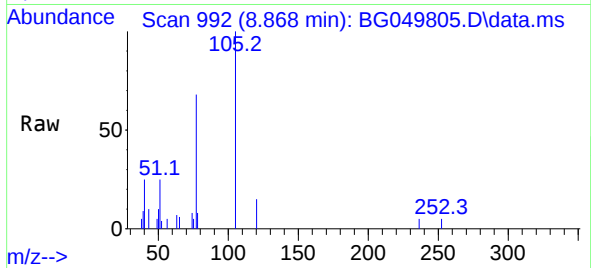
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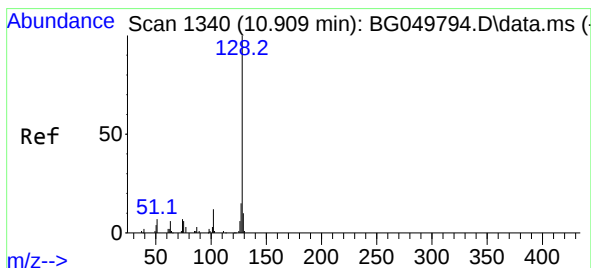
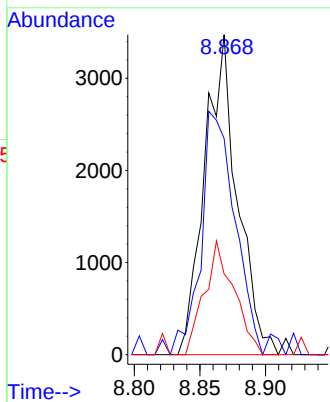
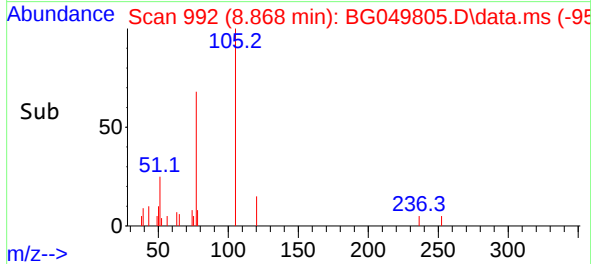




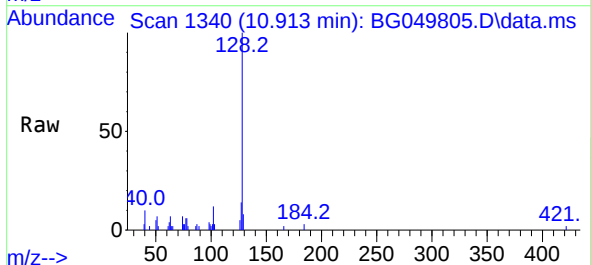
#16
Acetophenone
Concen: 1.728 ng/ul
RT: 8.868 min Scan# 992
Delta R.T. 0.004 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34



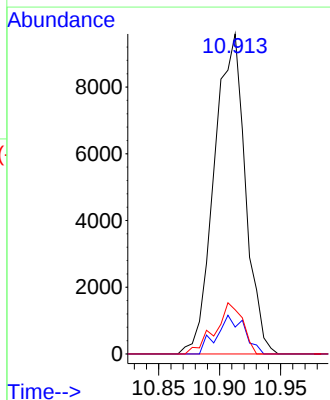
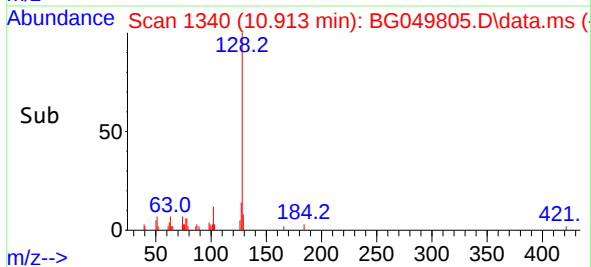
Tgt Ion:105 Resp: 6046
Ion Ratio Lower Upper
105 100
77 67.6 70.4 105.6#
51 25.2 25.1 37.7



#30
Naphthalene
Concen: 2.541 ng/ul
RT: 10.913 min Scan# 1340
Delta R.T. 0.004 min
Lab File: BG049805.D
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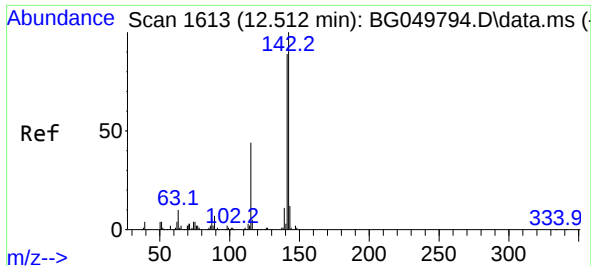
Tgt Ion:128 Resp: 16995
Ion Ratio Lower Upper
128 100
129 8.4 8.7 13.1#
127 13.8 10.6 16.0



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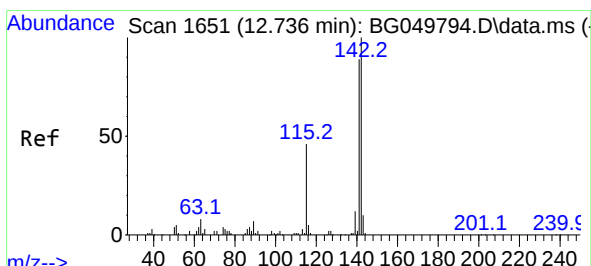
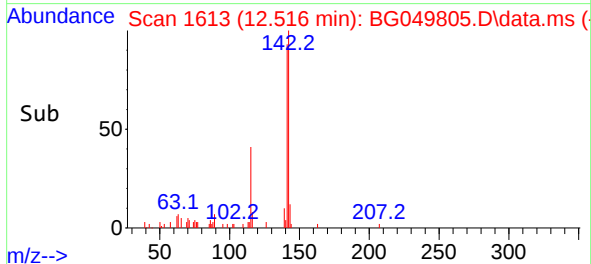
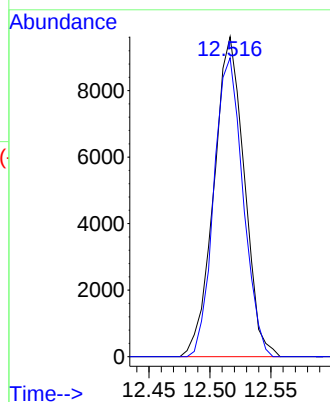
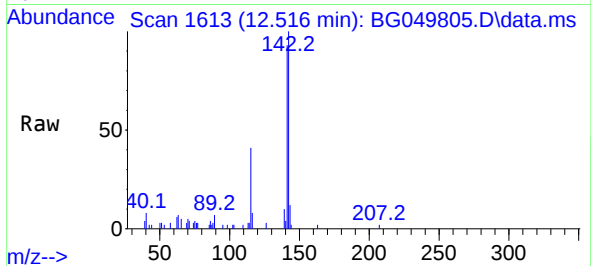
#36
2-Methylnaphthalene
Concen: 3.257 ng/ul
RT: 12.516 min Scan# 1613
Delta R.T. -0.002 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

Instrument :
BNA_G
ClientSampled :
BGB03

Tgt Ion:142 Resp: 16681
Ion Ratio Lower Upper
142 100
141 93.4 71.8 107.8

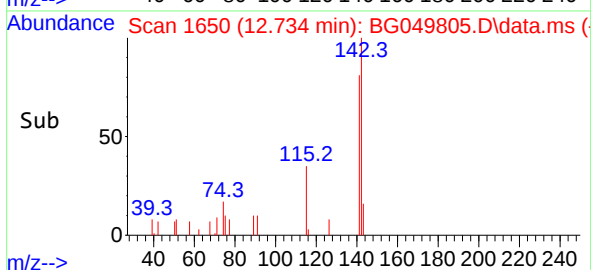
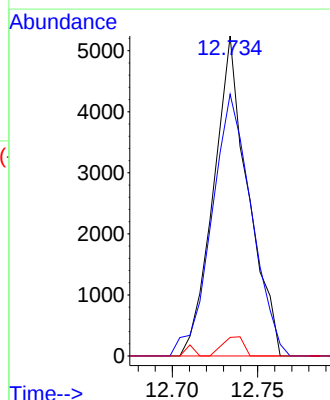
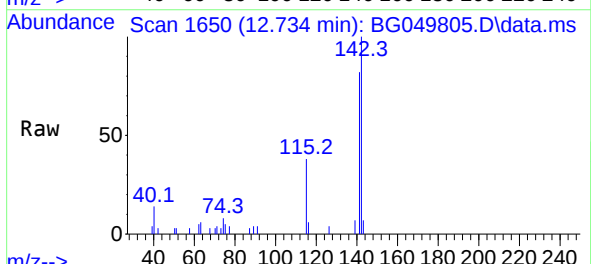
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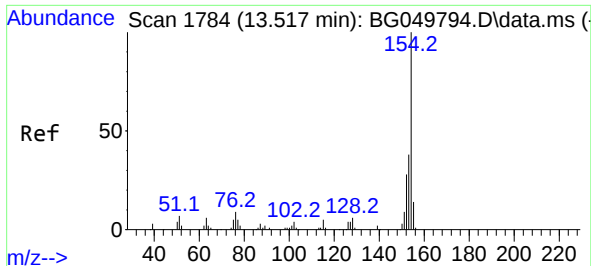
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#37
1-Methylnaphthalene
Concen: 1.478 ng/ul
RT: 12.734 min Scan# 1650
Delta R.T. -0.002 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

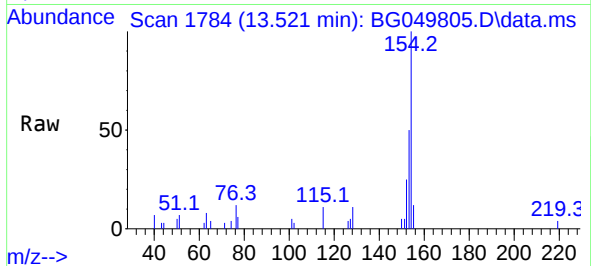
Tgt Ion:142 Resp: 7364
Ion Ratio Lower Upper
142 100
141 81.8 75.4 113.0
116 5.8 4.2 6.2





#43
1,1'-Biphenyl
Concen: 1.215 ng/ul
RT: 13.521 min Scan# 1784
Delta R.T. 0.004 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

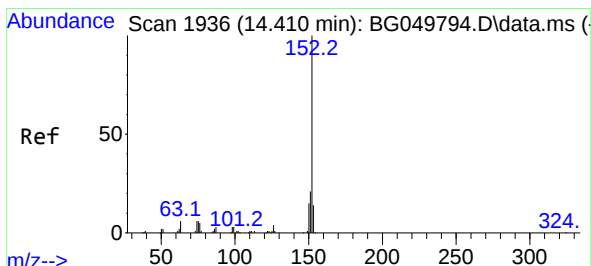
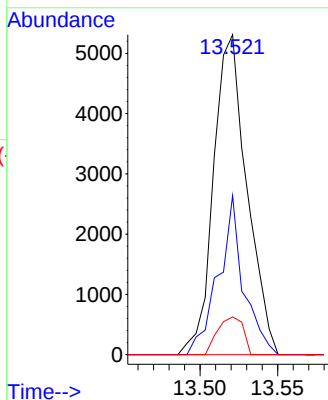
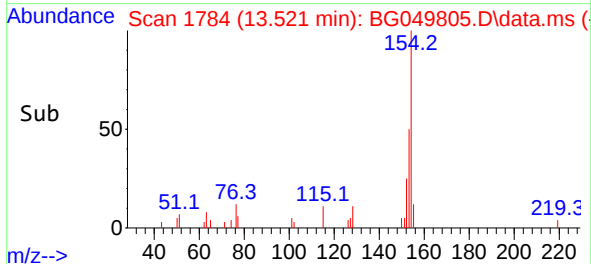
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ClientSampled :
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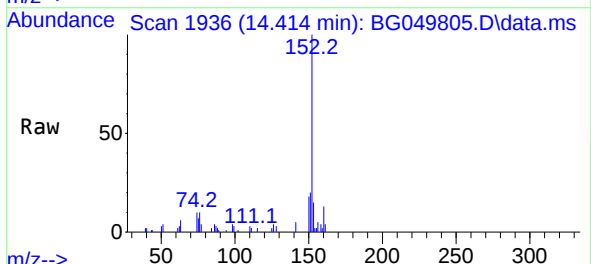
Tgt Ion:	154	Resp:	7945
Ion Ratio	Lower	Upper	
154	100		
153	49.7	34.1	51.1
76	11.8	8.6	12.8

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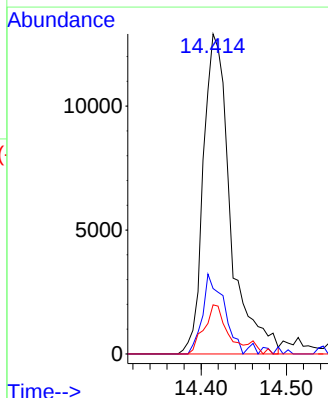
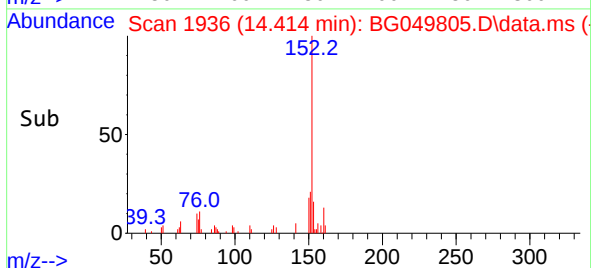
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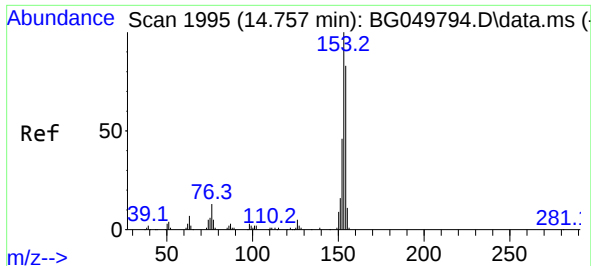


#50
Acenaphthylene
Concen: 3.680 ng/ul
RT: 14.414 min Scan# 1936
Delta R.T. 0.004 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34



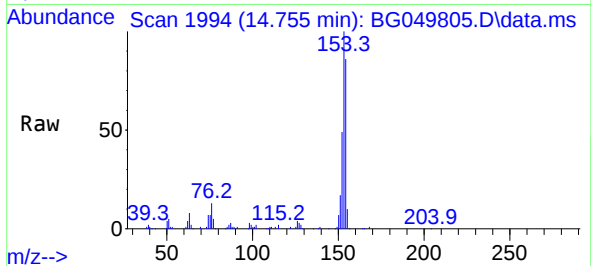
Tgt Ion:	152	Resp:	28458
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	15.4	11.4	17.0





#52
Acenaphthene
Concen: 11.337 ng/u1
RT: 14.755 min Scan# 1994
Delta R.T. 0.004 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

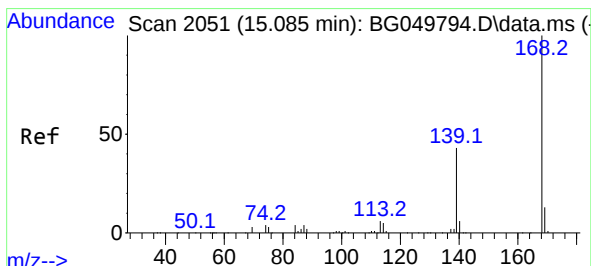
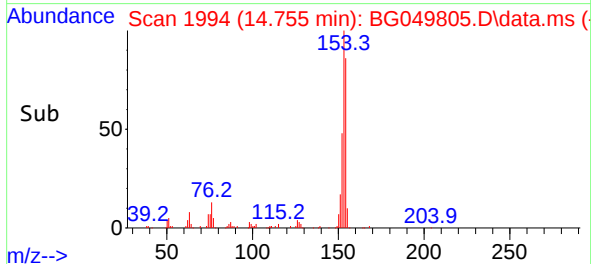
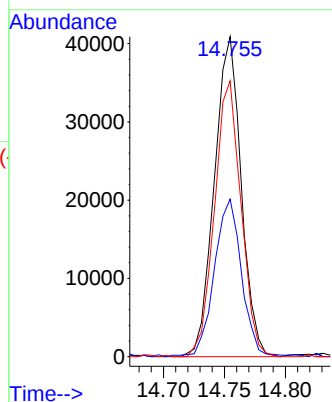
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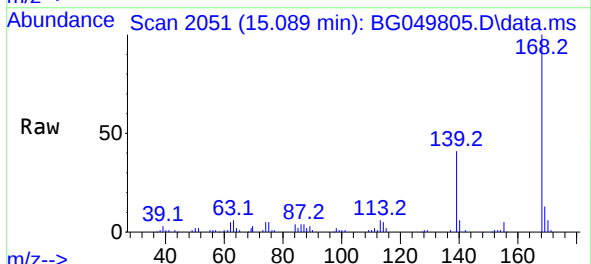
Tgt Ion:153 Resp: 62616
Ion Ratio Lower Upper
153 100
152 49.3 41.0 61.6
154 86.2 71.1 106.7

Manual Integrations
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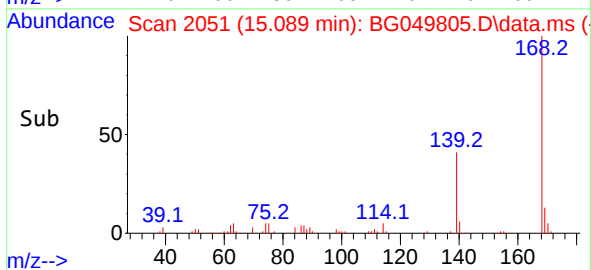
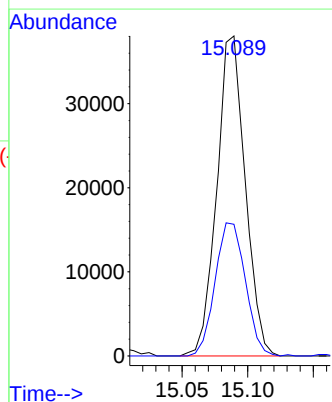
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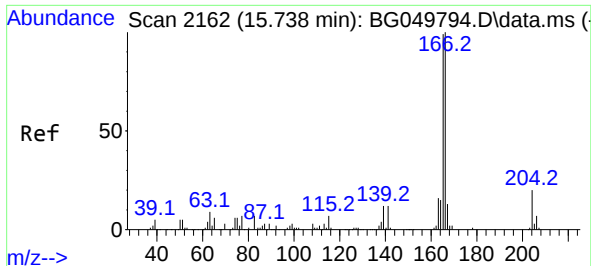


#56
Dibenzofuran
Concen: 7.472 ng/u1
RT: 15.089 min Scan# 2051
Delta R.T. 0.004 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34



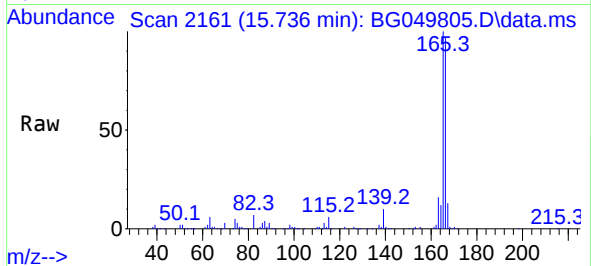
Tgt Ion:168 Resp: 57252
Ion Ratio Lower Upper
168 100
139 41.2 34.6 52.0





#61
Fluorene
Concen: 19.624 ng/u1
RT: 15.736 min Scan# 2161
Delta R.T. -0.002 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

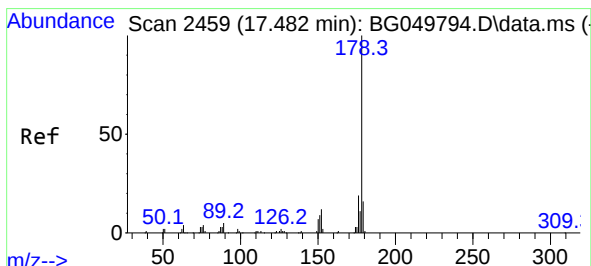
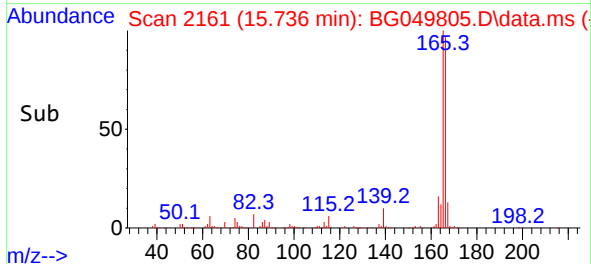
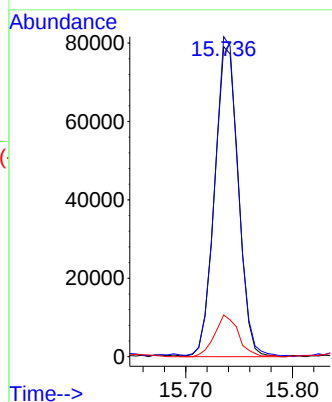
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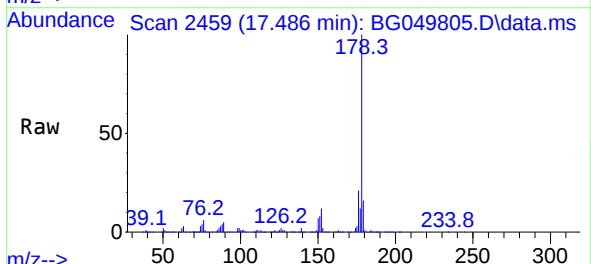
Tgt Ion:166 Resp: 122273
Ion Ratio Lower Upper
166 100
165 103.3 74.5 111.7
167 13.5 10.5 15.7

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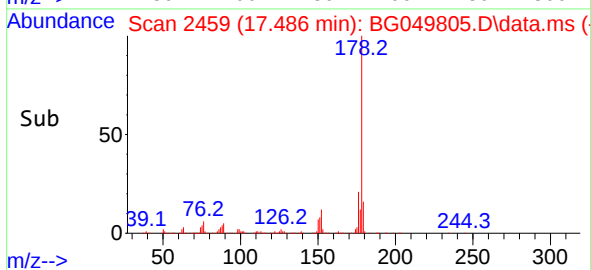
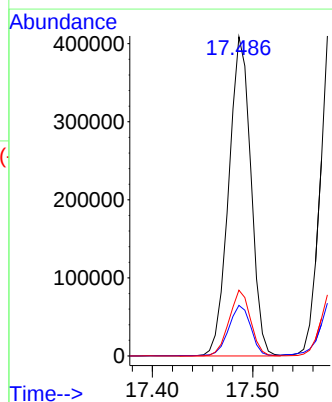
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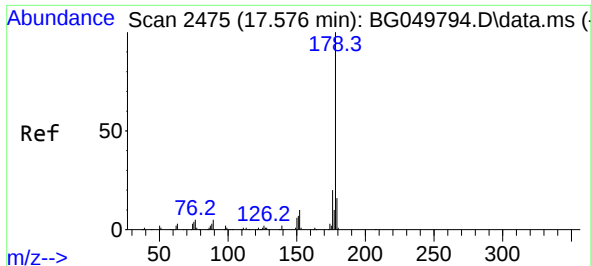


#72
Phenanthrene
Concen: 72.493 ng/u1
RT: 17.486 min Scan# 2459
Delta R.T. 0.004 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34



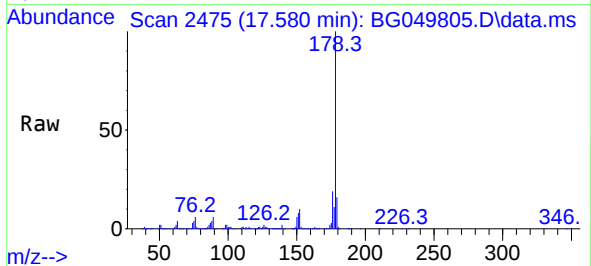
Tgt Ion:178 Resp: 625577
Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 20.6 15.4 23.2





#74
 Anthracene
 Concen: 84.543 ng/ul
 RT: 17.580 min Scan# 2475
 Delta R.T. 0.004 min
 Lab File: BG049805.D
 Acq: 12 Aug 2021 2:34

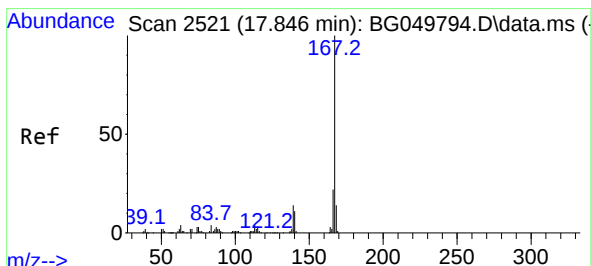
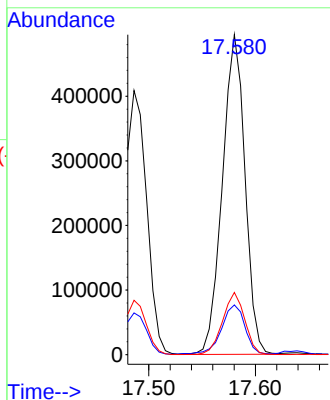
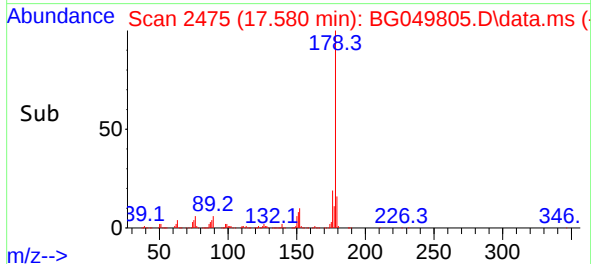
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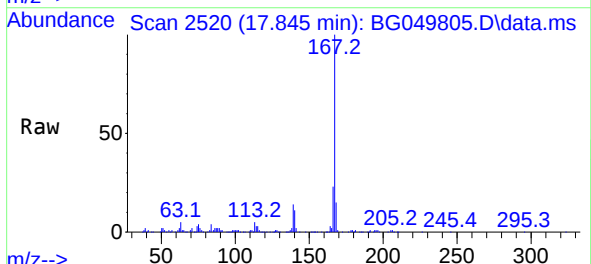
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 Ion Ratio Lower Upper
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 179 15.6 12.4 18.6
 176 19.5 14.6 21.8

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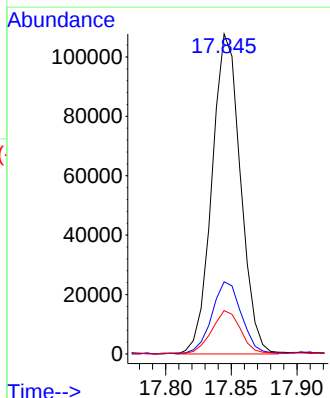
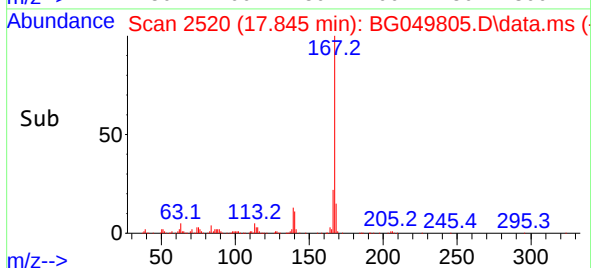
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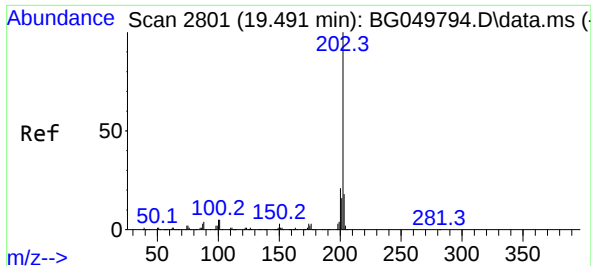


#77
 Carbazole
 Concen: 21.139 ng/ul
 RT: 17.845 min Scan# 2520
 Delta R.T. -0.002 min
 Lab File: BG049805.D
 Acq: 12 Aug 2021 2:34

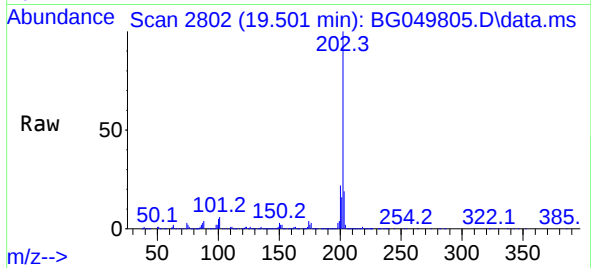


Tgt Ion:167 Resp: 163068
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.3 25.9
 139 13.5 10.4 15.6

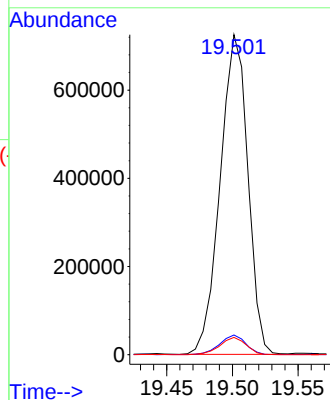




#80
Fluoranthene
Concen: 113.121 ng/ul
RT: 19.501 min Scan# 2802
Delta R.T. 0.010 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34



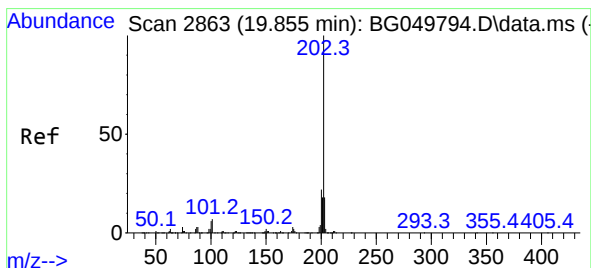
Tgt Ion:202 Resp: 1063335
Ion Ratio Lower Upper
202 100
101 6.2 4.8 7.2
100 5.4 3.9 5.9



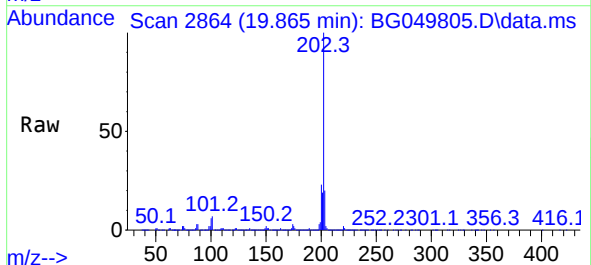
Instrument :
BNA_G
ClientSampled :
BGB03

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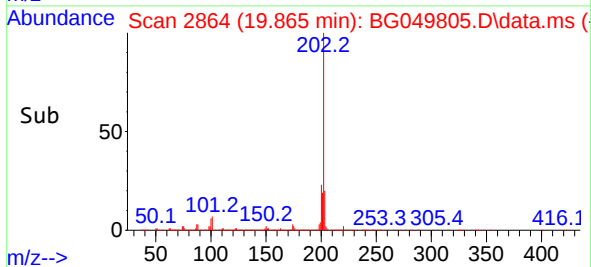
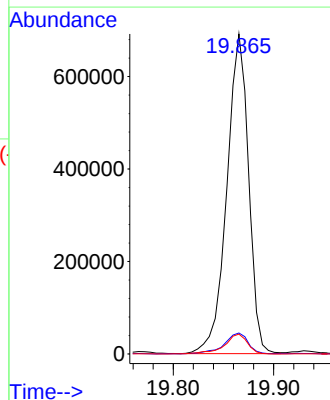
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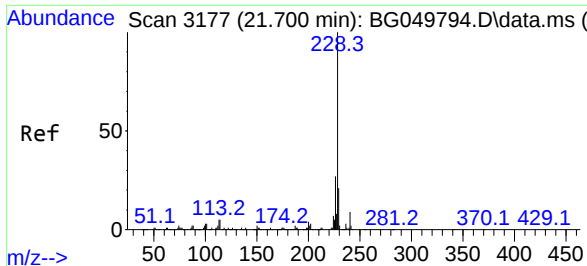


#82
Pyrene
Concen: 111.225 ng/ul
RT: 19.865 min Scan# 2864
Delta R.T. 0.010 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34



Tgt Ion:202 Resp: 1042793
Ion Ratio Lower Upper
202 100
101 6.5 5.2 7.8
100 6.2 4.8 7.2





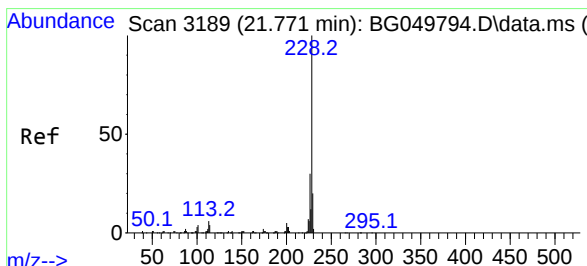
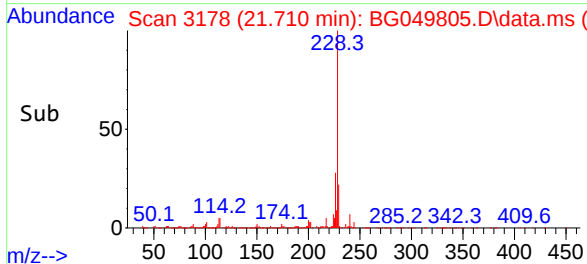
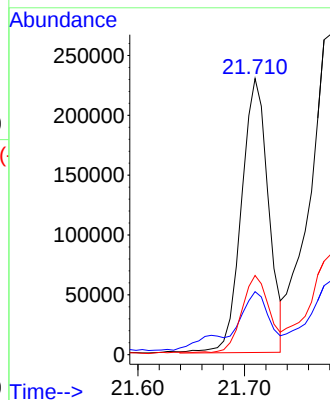
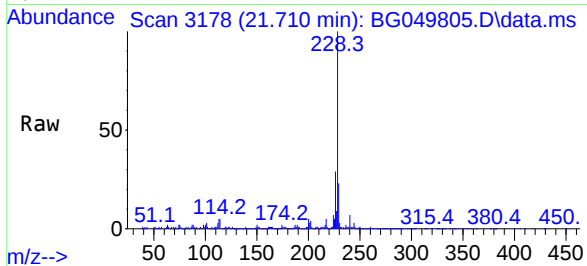
#85
Benzo(a)anthracene
Concen: 44.425 ng/u1
RT: 21.710 min Scan# 3178
Delta R.T. 0.010 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

Tgt Ion:228 Resp: 403213
Ion Ratio Lower Upper
228 100
229 22.8 15.3 22.9
226 28.7 21.0 31.6

Instrument :
BNA_G
ClientSampled :
BGB03

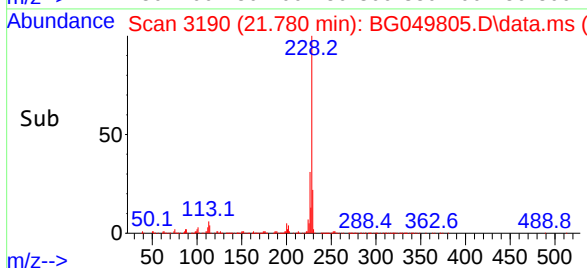
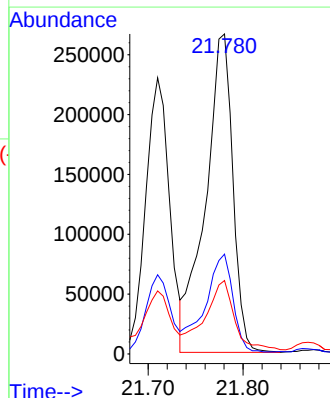
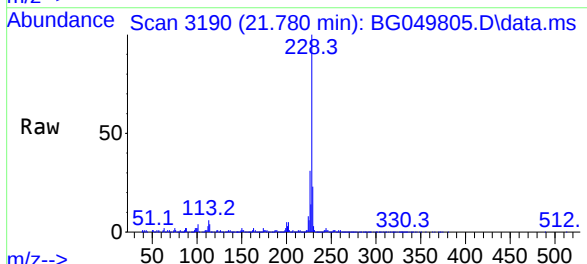
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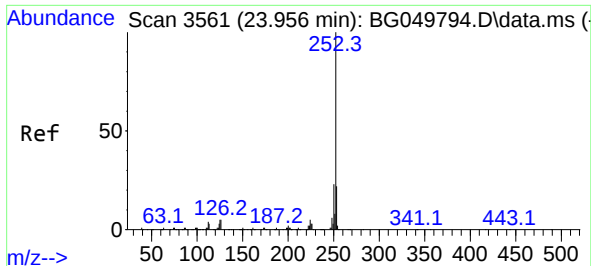
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#87
Chrysene
Concen: 62.974 ng/u1
RT: 21.780 min Scan# 3190
Delta R.T. 0.010 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

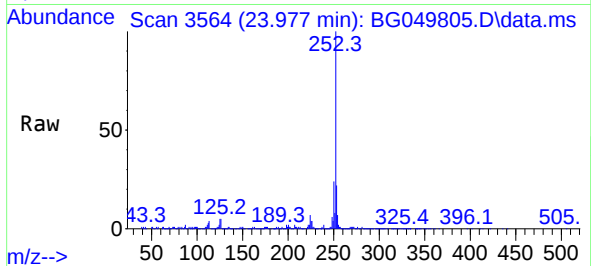
Tgt Ion:228 Resp: 533807
Ion Ratio Lower Upper
228 100
226 31.2 24.7 37.1
229 23.0 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 54.561 ng/ul
RT: 23.977 min Scan# 3564
Delta R.T. 0.028 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

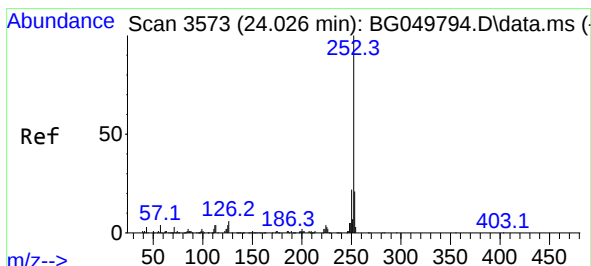
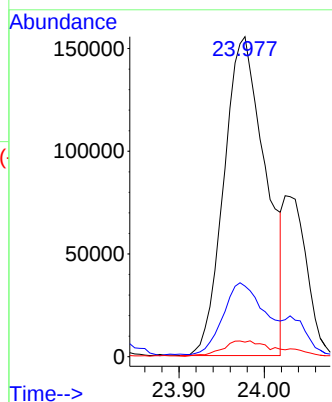
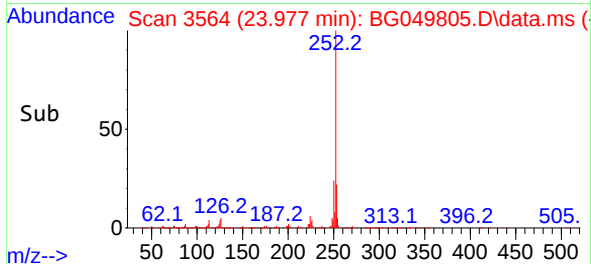
Instrument :
BNA_G
ClientSampled :
BGB03



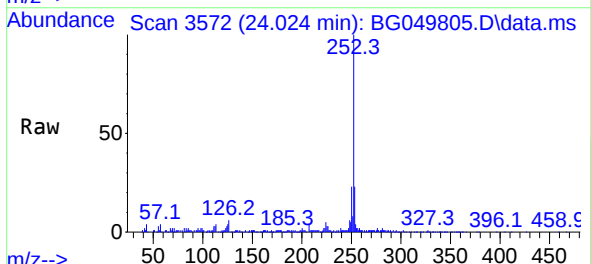
Tgt Ion:252 Resp: 525670
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 4.6 3.7 5.5

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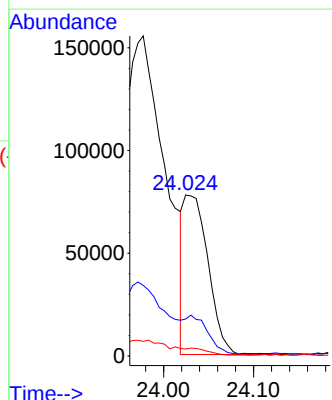
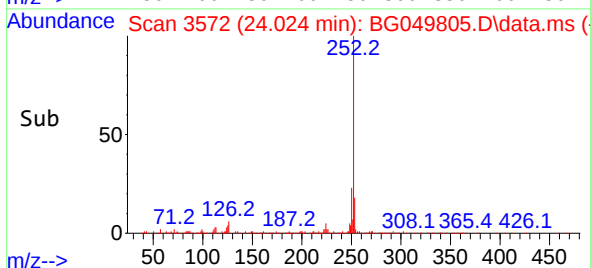
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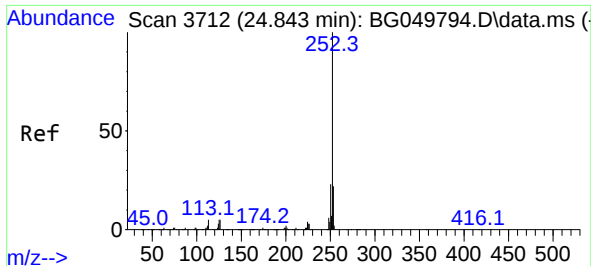


#91
Benzo(k)fluoranthene
Concen: 15.202 ng/ul m
RT: 24.024 min Scan# 3572
Delta R.T. 0.004 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34



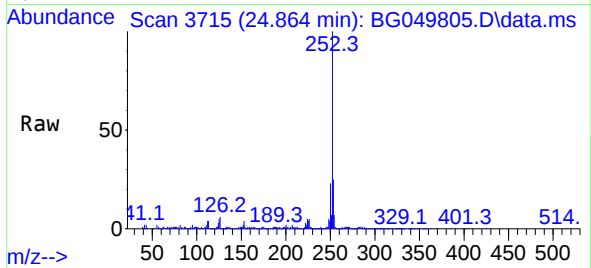
Tgt Ion:252 Resp: 145424
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 4.3 3.8 5.8





#93
Benzo(a)pyrene
Concen: 34.984 ng/ul
RT: 24.864 min Scan# 3715
Delta R.T. 0.022 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

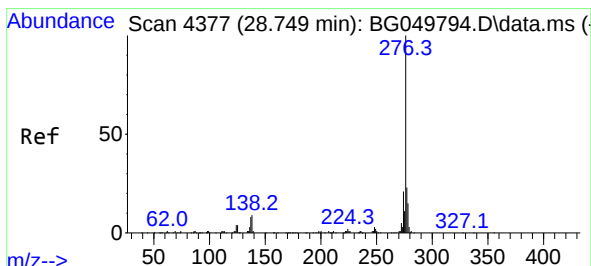
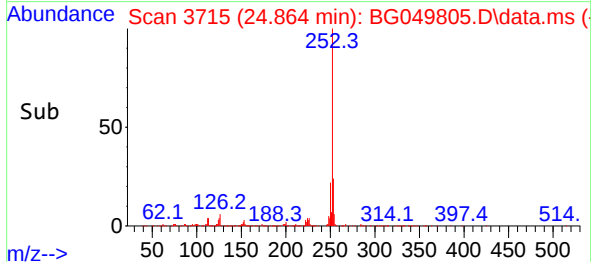
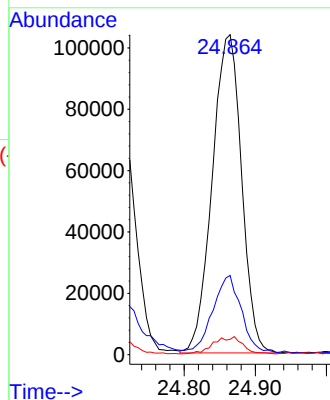
Instrument :
BNA_G
ClientSampled :
BGB03



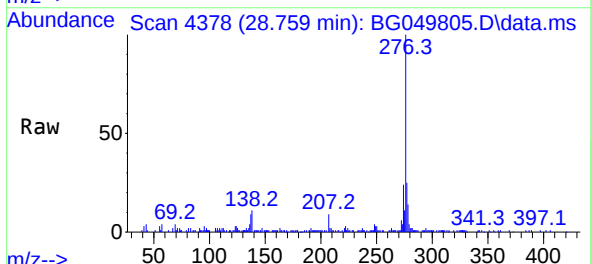
Tgt Ion:252 Resp: 296718
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 4.8 4.6 7.0

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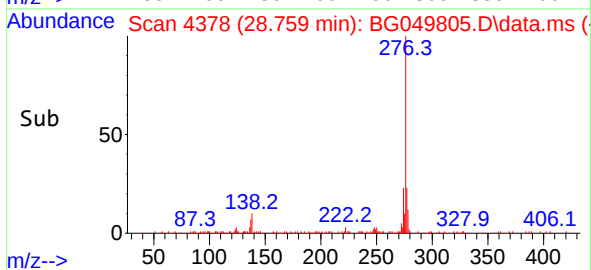
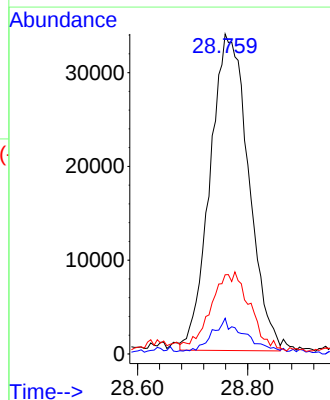
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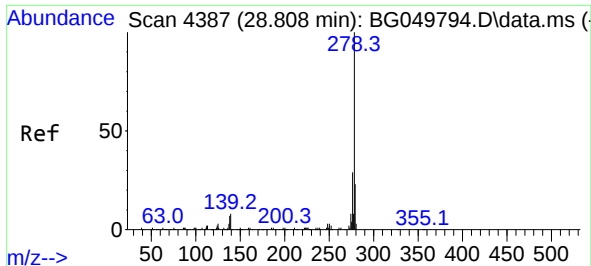


#94
Indeno(1,2,3-cd)pyrene
Concen: 14.717 ng/ul
RT: 28.759 min Scan# 4378
Delta R.T. 0.022 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34



Tgt Ion:276 Resp: 163806
Ion Ratio Lower Upper
276 100
138 11.1 6.6 10.0#
277 24.8 19.4 29.2





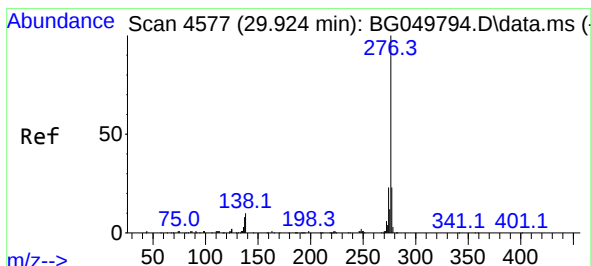
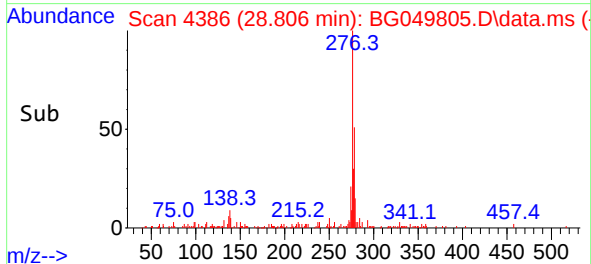
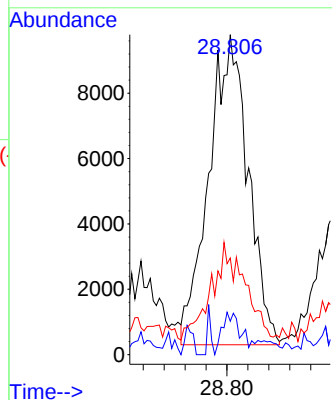
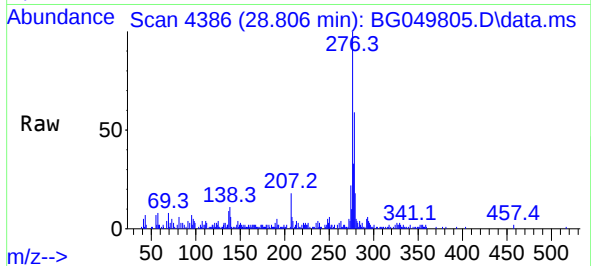
#95
Dibenzo(a,h)anthracene
Concen: 5.322 ng/ul m
RT: 28.806 min Scan# 4386
Delta R.T. 0.004 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

Tgt Ion: 278 Resp: 49415
Ion Ratio Lower Upper
278 100
139 10.5 6.3 9.5#
279 30.2 18.9 28.3#

Instrument :
BNA_G
ClientSampled :
BGB03

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#96
Benzo(g,h,i)perylene
Concen: 13.613 ng/ul m
RT: 29.952 min Scan# 4581
Delta R.T. 0.045 min
Lab File: BG049805.D
Acq: 12 Aug 2021 2:34

Tgt Ion: 276 Resp: 126000
Ion Ratio Lower Upper
276 100
138 7.3 7.2 10.8
277 24.6 19.5 29.3

