

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	32513	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.782	136	127307	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.624	164	85950	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.379	188	174700	20.000	ng/ul	#-0.01
79) Chrysene-d12	21.650	240	162457	20.000	ng/ul	-0.01
88) Perylene-d12	24.875	264	169572	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	1652	2.620	ng/uL	0.00
4) Pyridine-d5	3.786	84	1988m	1.047	ng/ul	0.01
7) Phenol-d5	7.134	99	41423	15.003	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.287	67	24368	15.887	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.499	132	35469	17.170	ng/ul	-0.01
15) 4-Methylphenol-d8	8.685	113	28804	13.247	ng/ul	-0.01
21) Nitrobenzene-d5	9.137	128	17839	18.074	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.866	143	20316	17.287	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.418	165	32964	15.726	ng/ul	0.00
31) 4-Chloroaniline-d4	10.923	131	17343	6.079	ng/ul	-0.01
46) Dimethylphthalate-d6	14.025	166	116240	17.671	ng/ul	-0.01
49) Acenaphthylene-d8	14.319	160	141405	18.334	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.853	143	12428	13.059	ng/ul	0.00
60) Fluorene-d10	15.623	176	101652	18.227	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.758	200	13432	11.951	ng/ul	0.00
73) Anthracene-d10	17.479	188	142114	18.115	ng/ul	-0.01
81) Pyrene-d10	19.770	212	169500	19.307	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.658	264	142299	15.818	ng/ul	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.835	128	6699	1.053	ng/ul#	96
56) Dibenzofuran	15.030	168	7521	1.062	ng/ul	88
72) Phenanthrene	17.420	178	134006	15.387	ng/ul	96
74) Anthracene	17.514	178	15872m	1.798	ng/ul	
77) Carbazole	17.785	167	14122	1.798	ng/ul	94
80) Fluoranthene	19.435	202	178267	16.455	ng/ul	99
82) Pyrene	19.800	202	130836	12.188	ng/ul	98
85) Benzo(a)anthracene	21.632	228	70386	6.953	ng/ul	94
87) Chrysene	21.697	228	65578	6.853	ng/ul	94
90) Benzo(b)fluoranthene	23.853	252	91242	8.412	ng/ul#	96
91) Benzo(k)fluoranthene	23.917	252	27172m	2.635	ng/ul	
93) Benzo(a)pyrene	24.716	252	42564	4.518	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.570	276	38562m	3.103	ng/ul	
95) Dibenzo(a,h)anthracene	28.611	278	12769m	1.228	ng/ul	

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

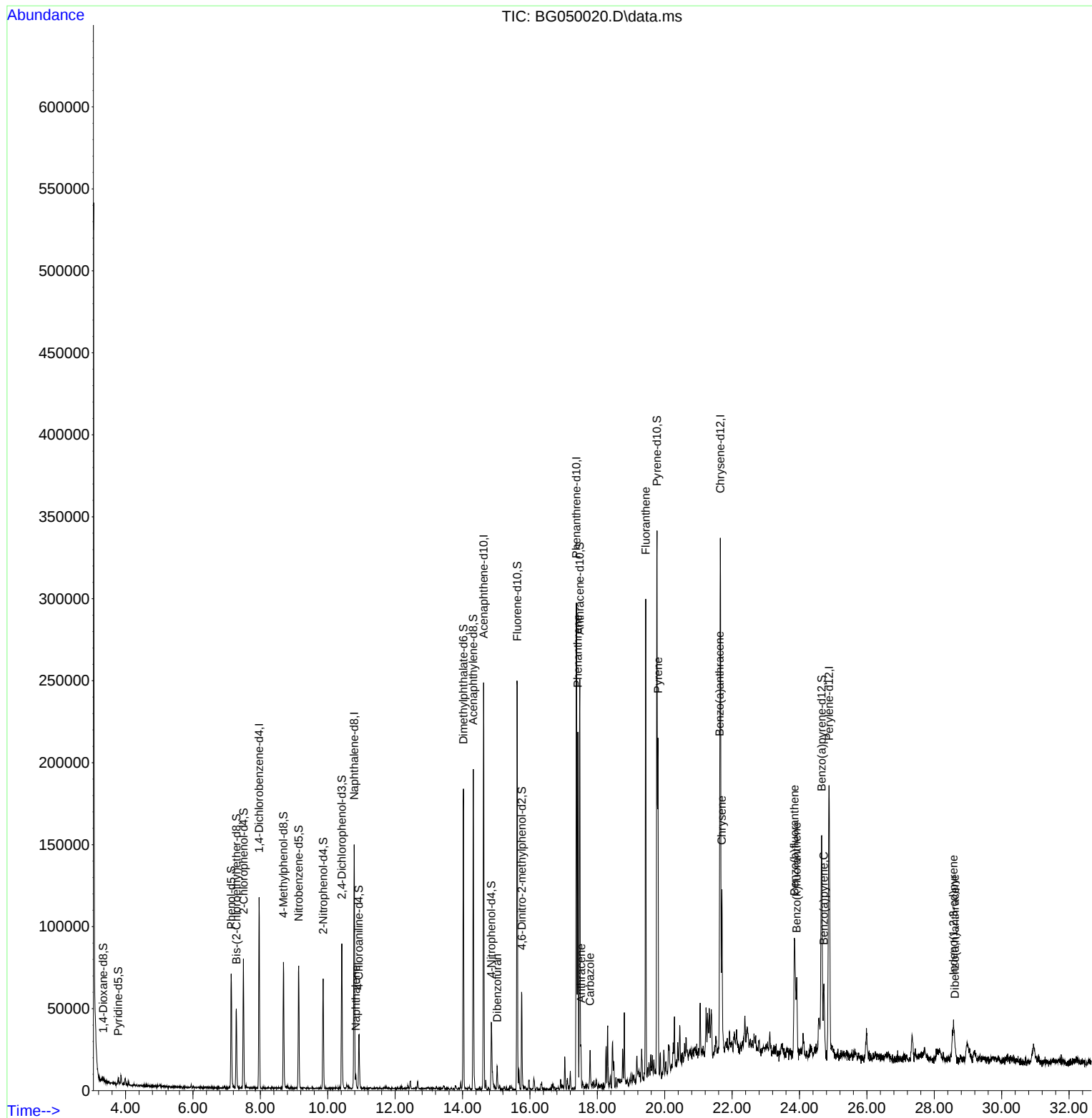
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Data File : BG050020.D
Acq On : 28 Aug 2021 7:22
Operator : CG/JU
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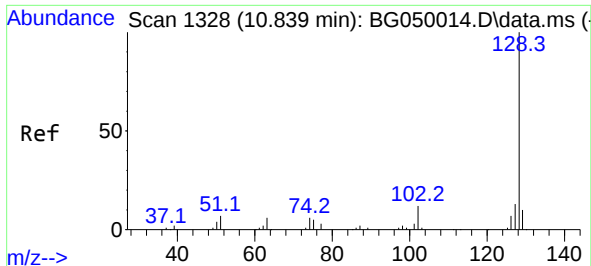
Instrument :
BNA_G
ClientSampleId :
C0AW3

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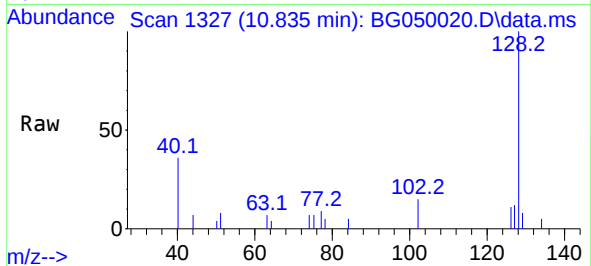
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
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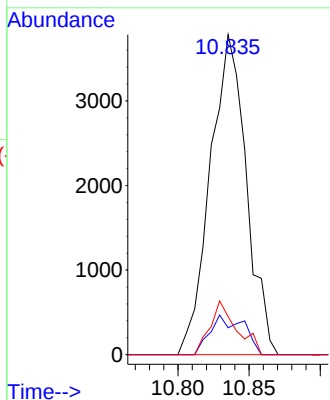
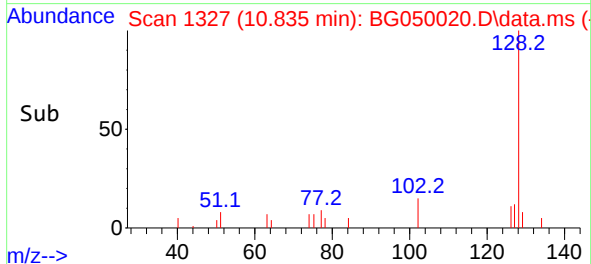




#30
Naphthalene
Concen: 1.053 ng/ul
RT: 10.835 min Scan# 1327
Delta R.T. -0.021 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22



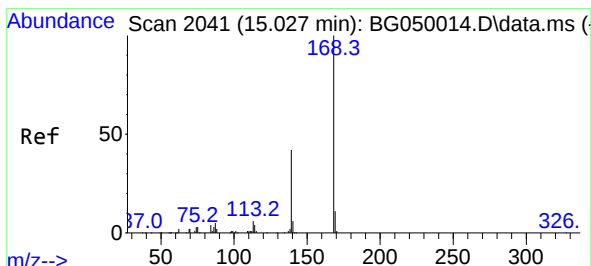
Tgt Ion:128 Resp: 6699
Ion Ratio Lower Upper
128 100
129 8.4 9.3 13.9#
127 11.9 9.8 14.6



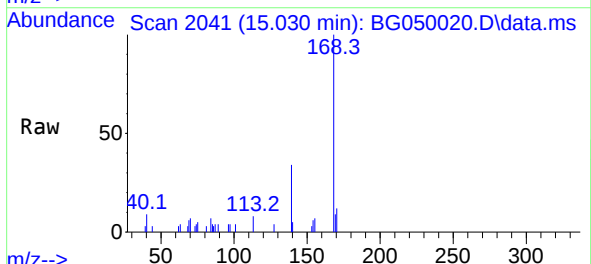
Instrument :
BNA_G
ClientSampleId :
C0AW3

Manual Integrations
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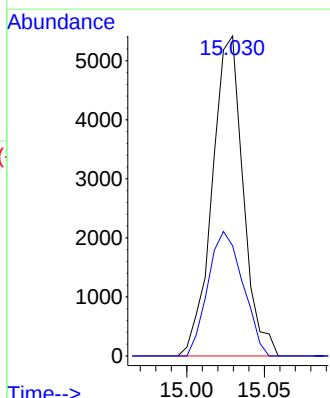
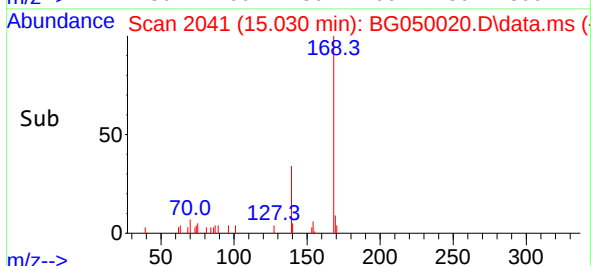
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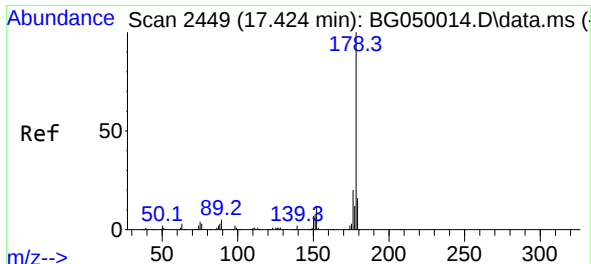


#56
Dibenzofuran
Concen: 1.062 ng/ul
RT: 15.030 min Scan# 2041
Delta R.T. -0.009 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22



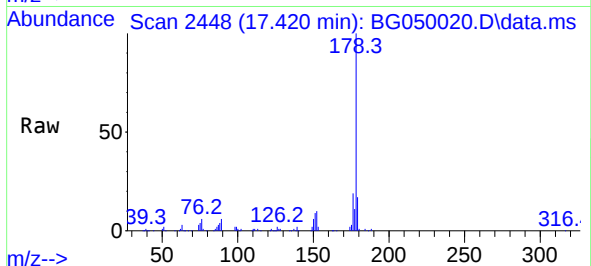
Tgt Ion:168 Resp: 7521
Ion Ratio Lower Upper
168 100
139 34.4 33.8 50.8





#72
Phenanthrene
Concen: 15.387 ng/ul
RT: 17.420 min Scan# 2448
Delta R.T. -0.015 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22

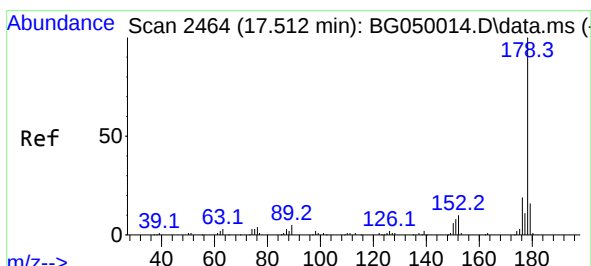
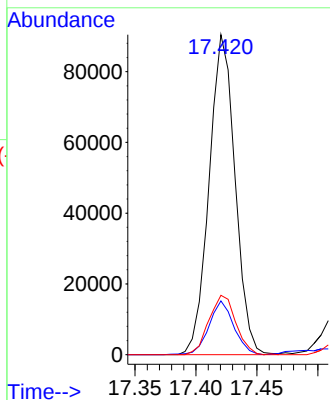
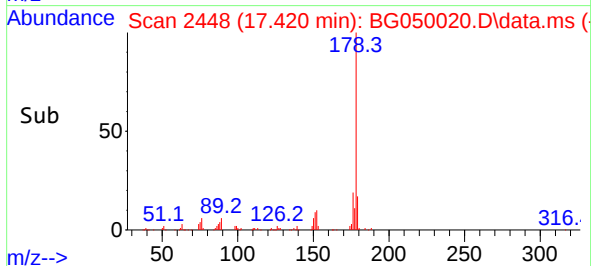
Instrument :
BNA_G
ClientSampled :
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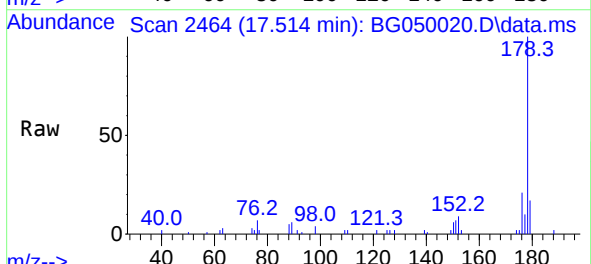
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Ion Ratio Lower Upper
178 100
179 16.8 11.7 17.5
176 18.5 16.2 24.2

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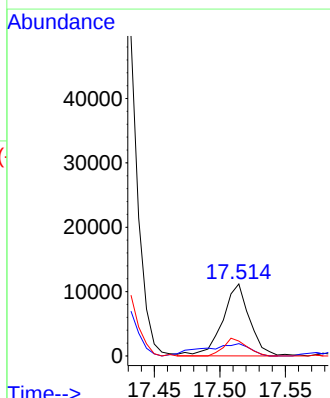
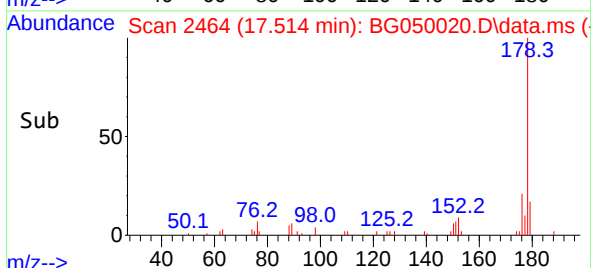
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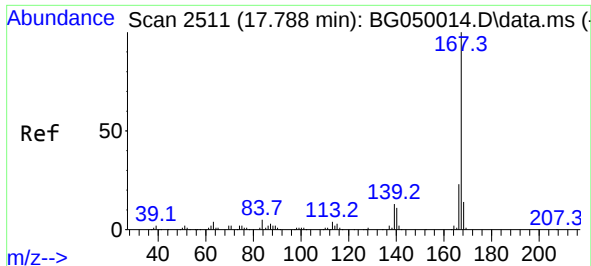


#74
Anthracene
Concen: 1.798 ng/ul m
RT: 17.514 min Scan# 2464
Delta R.T. -0.009 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22



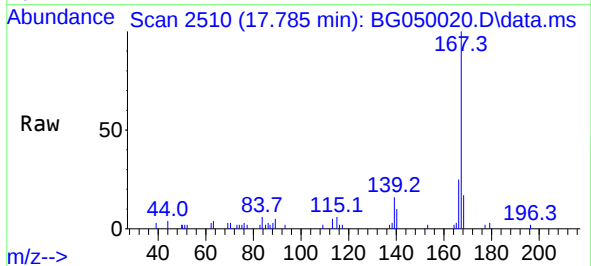
Tgt Ion:178 Resp: 15872
Ion Ratio Lower Upper
178 100
179 17.2 11.4 17.0#
176 20.6 12.8 19.2#





#77
 Carbazole
 Concen: 1.798 ng/ul
 RT: 17.785 min Scan# 2510
 Delta R.T. -0.015 min
 Lab File: BG050020.D
 Acq: 28 Aug 2021 7:22

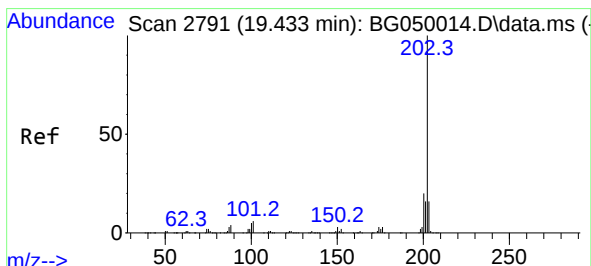
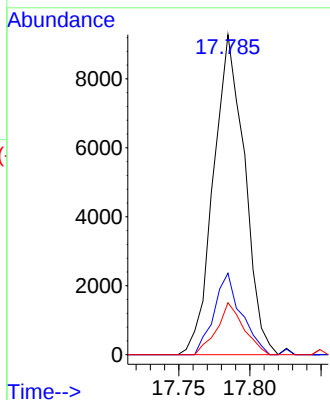
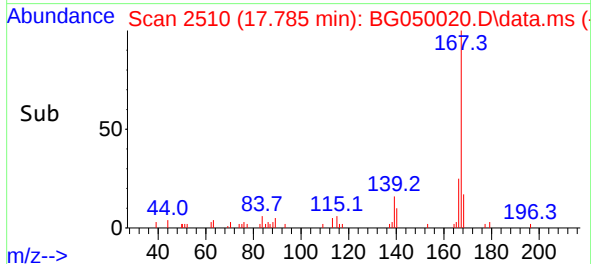
Instrument :
 BNA_G
 ClientSampleId :
 C0AW3



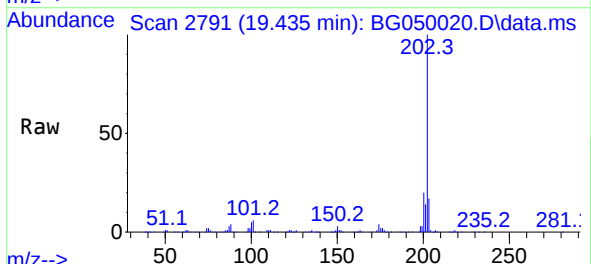
Tgt Ion:167 Resp: 14122
 Ion Ratio Lower Upper
 167 100
 166 25.4 17.8 26.8
 139 16.3 11.1 16.7

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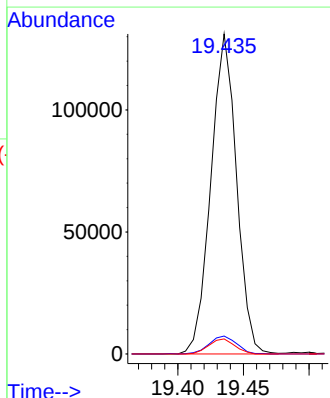
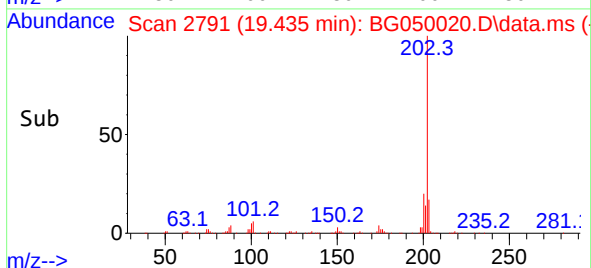
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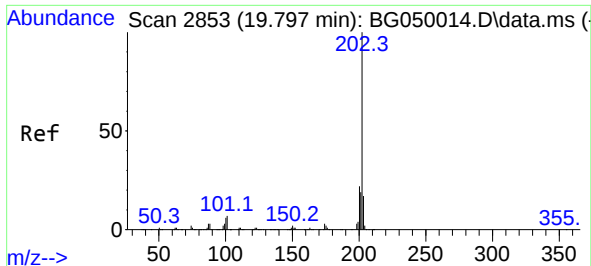


#80
 Fluoranthene
 Concen: 16.455 ng/ul
 RT: 19.435 min Scan# 2791
 Delta R.T. -0.009 min
 Lab File: BG050020.D
 Acq: 28 Aug 2021 7:22



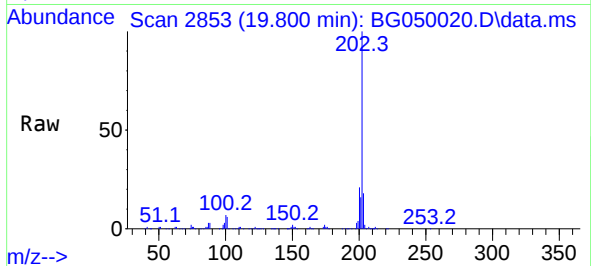
Tgt Ion:202 Resp: 178267
 Ion Ratio Lower Upper
 202 100
 101 5.6 4.3 6.5
 100 4.7 3.5 5.3





#82
Pyrene
Concen: 12.188 ng/ul
RT: 19.800 min Scan# 2853
Delta R.T. -0.009 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22

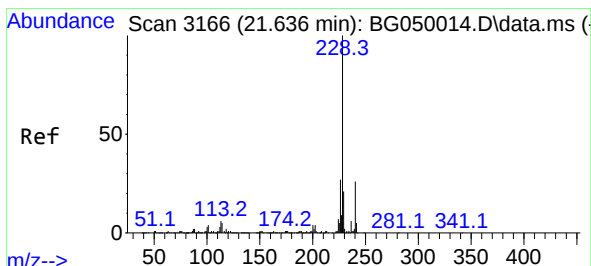
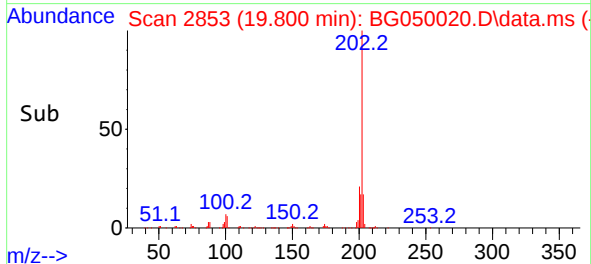
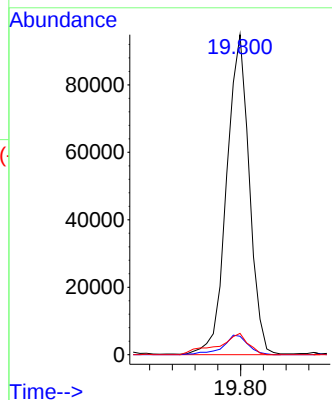
Instrument :
BNA_G
ClientSampled :
C0AW3



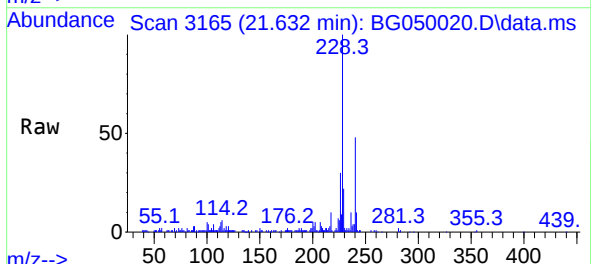
Tgt Ion:202 Resp: 130836
Ion Ratio Lower Upper
202 100
101 5.7 5.4 8.0
100 6.7 5.0 7.6

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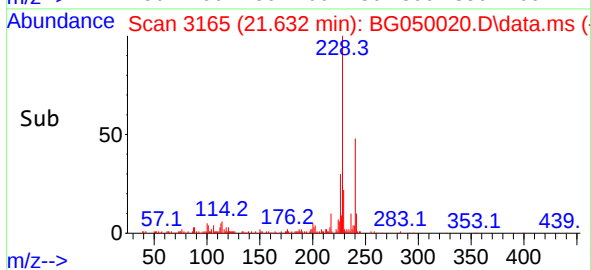
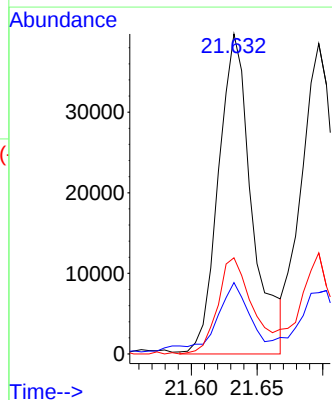
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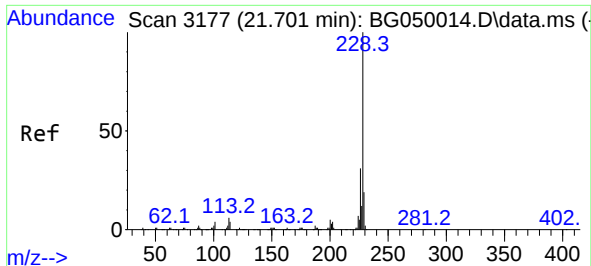


#85
Benzo(a)anthracene
Concen: 6.953 ng/ul
RT: 21.632 min Scan# 3165
Delta R.T. -0.015 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22



Tgt Ion:228 Resp: 70386
Ion Ratio Lower Upper
228 100
229 22.3 16.2 24.4
226 30.1 21.0 31.4





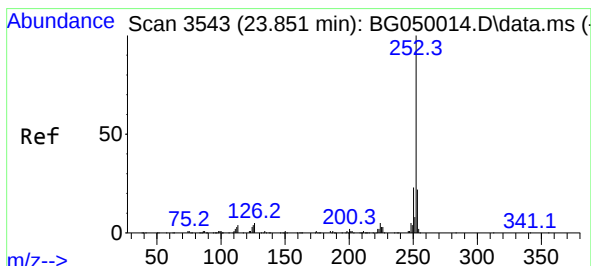
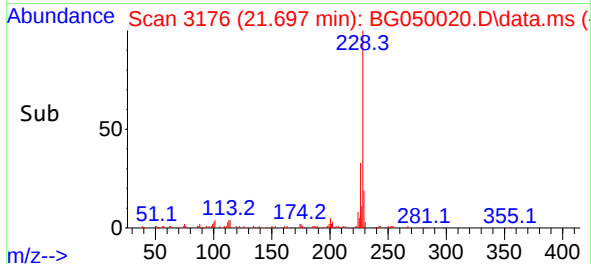
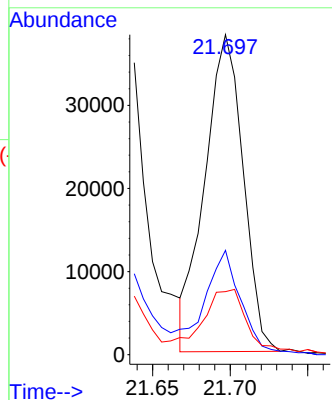
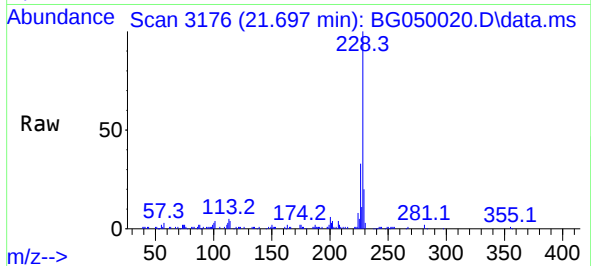
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Chrysene
Concen: 6.853 ng/u1
RT: 21.697 min Scan# 3176
Delta R.T. -0.015 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22

Tgt Ion:228 Resp: 65578
Ion Ratio Lower Upper
228 100
226 32.6 23.0 34.4
229 19.7 17.8 26.6

Instrument :
BNA_G
ClientSampled :
C0AW3

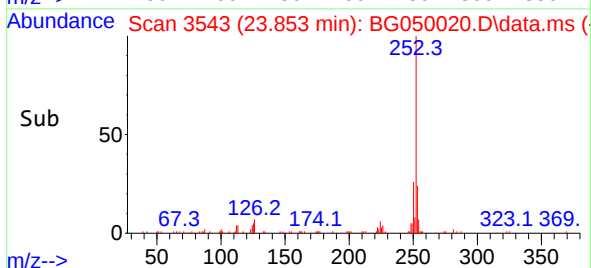
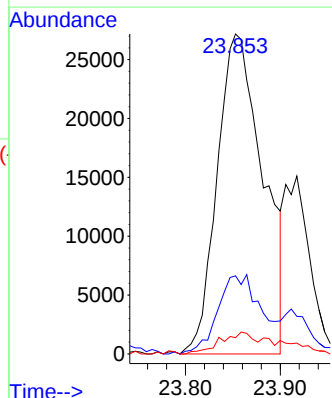
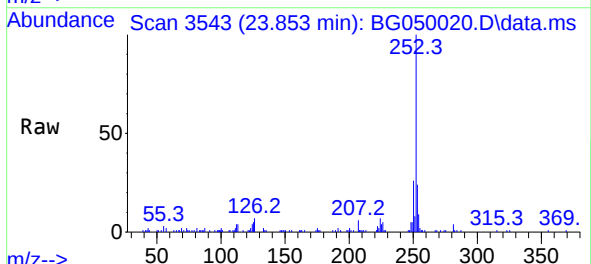
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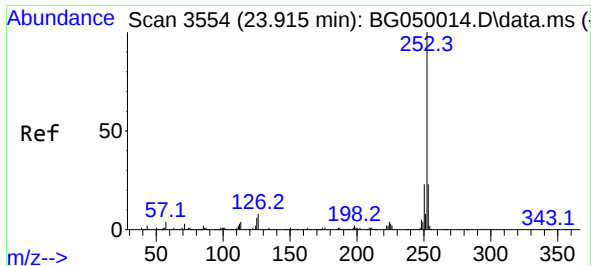
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#90
Benzo(b)fluoranthene
Concen: 8.412 ng/u1
RT: 23.853 min Scan# 3543
Delta R.T. -0.009 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22

Tgt Ion:252 Resp: 91242
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 5.1 3.4 5.0#





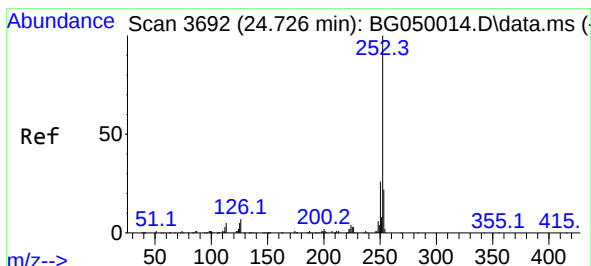
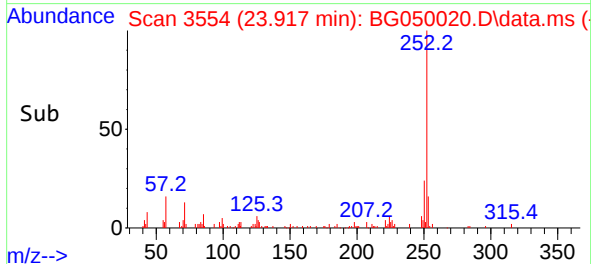
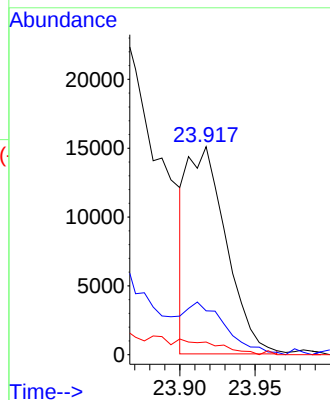
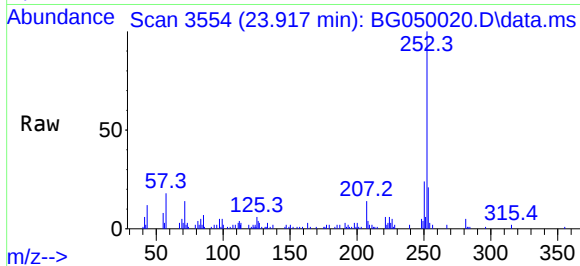
#91
Benzo(k)fluoranthene
Concen: 2.635 ng/ul m
RT: 23.917 min Scan# 3554
Delta R.T. -0.015 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22

Instrument :
BNA_G
ClientSampleId :
C0AW3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.7	26.5
125	6.1	4.1	6.1

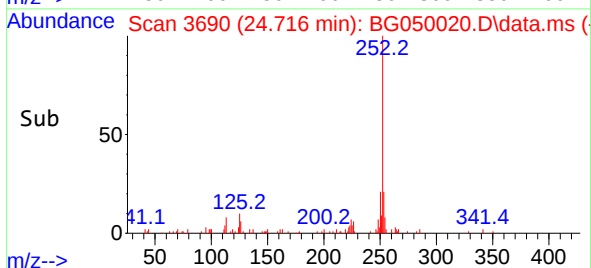
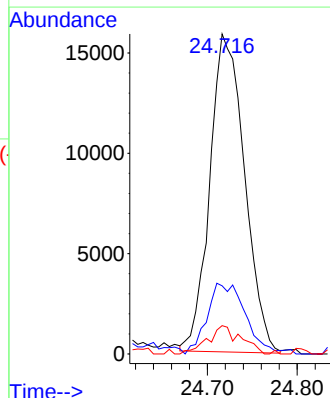
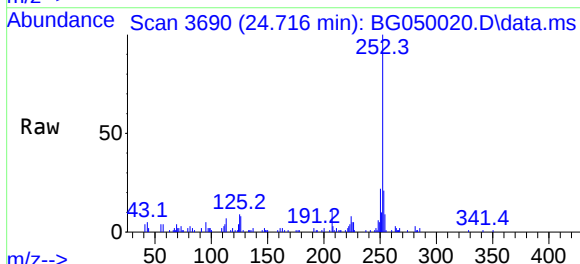
Manual Integrations
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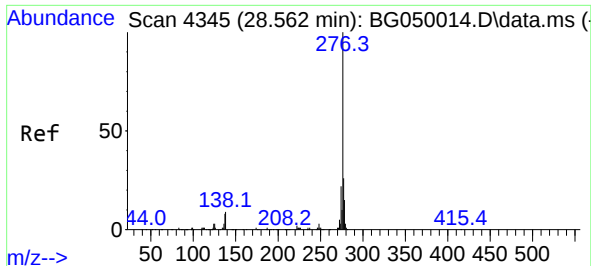
mohammad
8/30/2021 10:33:32 AM



#93
Benzo(a)pyrene
Concen: 4.518 ng/ul
RT: 24.716 min Scan# 3690
Delta R.T. -0.027 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.4
125	8.8	4.4	6.6#





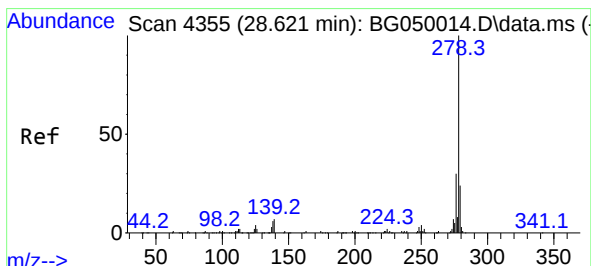
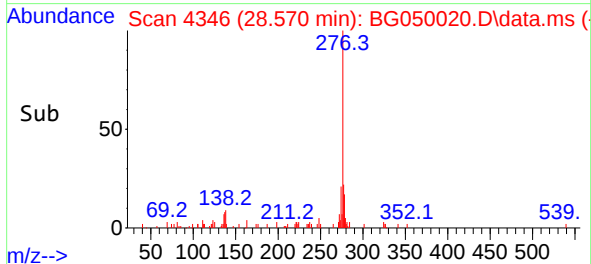
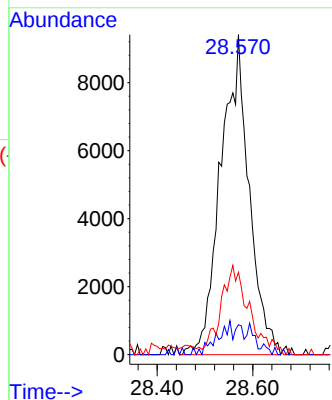
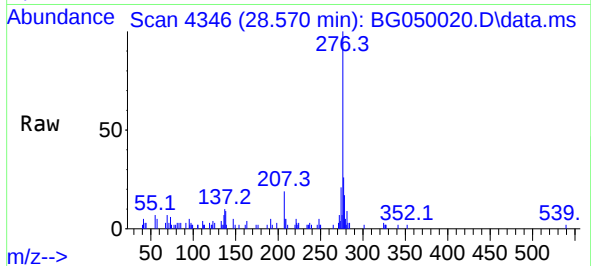
#94
Indeno(1,2,3-cd)pyrene
Concen: 3.103 ng/ul m
RT: 28.570 min Scan# 4346
Delta R.T. -0.021 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.3	5.5	8.3#
277	25.8	18.6	27.8

Instrument :
BNA_G
ClientSampled :
C0AW3

Manual Integrations
APPROVED

mohammad
8/30/2021 10:33:32 AM



#95
Dibenzo(a,h)anthracene
Concen: 1.228 ng/ul m
RT: 28.611 min Scan# 4353
Delta R.T. -0.032 min
Lab File: BG050020.D
Acq: 28 Aug 2021 7:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.8	5.2	7.8#
279	24.1	19.0	28.4

