

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050032.D
 Acq On : 30 Aug 2021 15:00
 Operator : CG/JU
 Sample : M3458-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AS1

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:29 AM

Quant Time: Aug 30 15:41:26 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	7.960	152	27885	20.000	ng/ul	0.00
20) Naphthalene-d8	10.780	136	116698	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.622	164	78332	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.377	188	149194m	20.000	ng/ul	0.00
79) Chrysene-d12	21.654	240	134065	20.000	ng/ul	0.00
88) Perylene-d12	24.879	264	140645	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.314	96	1412m	2.611	ng/uL	0.00
4) Pyridine-d5	3.754	84	10051m	6.171	ng/ul	0.01
7) Phenol-d5	7.138	99	36918	15.591	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.279	67	19940	15.158	ng/ul	0.00
11) 2-Chlorophenol-d4	7.496	132	29168	16.463	ng/ul	0.00
15) 4-Methylphenol-d8	8.689	113	27433	14.711	ng/ul	0.00
21) Nitrobenzene-d5	9.135	128	15227	16.830	ng/ul	0.00
24) 2-Nitrophenol-d4	9.858	143	18707	17.365	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.416	165	33087	17.219	ng/ul	0.01
31) 4-Chloroaniline-d4	10.939	131	2525m	0.965	ng/ul	0.02
46) Dimethylphthalate-d6	14.023	166	104372	17.410	ng/ul	0.00
49) Acenaphthylene-d8	14.317	160	131657	18.731	ng/ul	0.00
54) 4-Nitrophenol-d4	14.857	143	12338	14.225	ng/ul	0.01
60) Fluorene-d10	15.615	176	89067	17.523	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.756	200	12511m	13.034	ng/ul	0.00
73) Anthracene-d10	17.477	188	127852	19.084	ng/ul	0.00
81) Pyrene-d10	19.768	212	136690	18.867	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.661	264	121952	16.344	ng/ul	0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.795	105	4067	1.337	ng/ul	93
50) Acenaphthylene	14.346	152	40219	6.260	ng/ul	95
52) Acenaphthene	14.693	153	6258	1.343	ng/ul	85
56) Dibenzofuran	15.022	168	8123	1.259	ng/ul#	84
61) Fluorene	15.674	166	6267	1.151	ng/ul#	85
72) Phenanthrene	17.418	178	231245m	31.091	ng/ul	
74) Anthracene	17.512	178	38088	5.053	ng/ul	96
77) Carbazole	17.782	167	27016	4.028	ng/ul	95
80) Fluoranthene	19.439	202	459283	51.374	ng/ul	99
82) Pyrene	19.797	202	385288	43.492	ng/ul	99
85) Benzo(a)anthracene	21.636	228	273161	32.700	ng/ul	96
87) Chrysene	21.701	228	264156	33.452	ng/ul	100
90) Benzo(b)fluoranthene	23.862	252	423389	47.061	ng/ul#	97
91) Benzo(k)fluoranthene	23.915	252	159599m	18.663	ng/ul	
93) Benzo(a)pyrene	24.732	252	242034	30.978	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.580	276	213361	20.702	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.627	278	63561m	7.367	ng/ul	
96) Benzo(g,h,i)perylene	29.725	276	24054m	2.776	ng/ul	

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

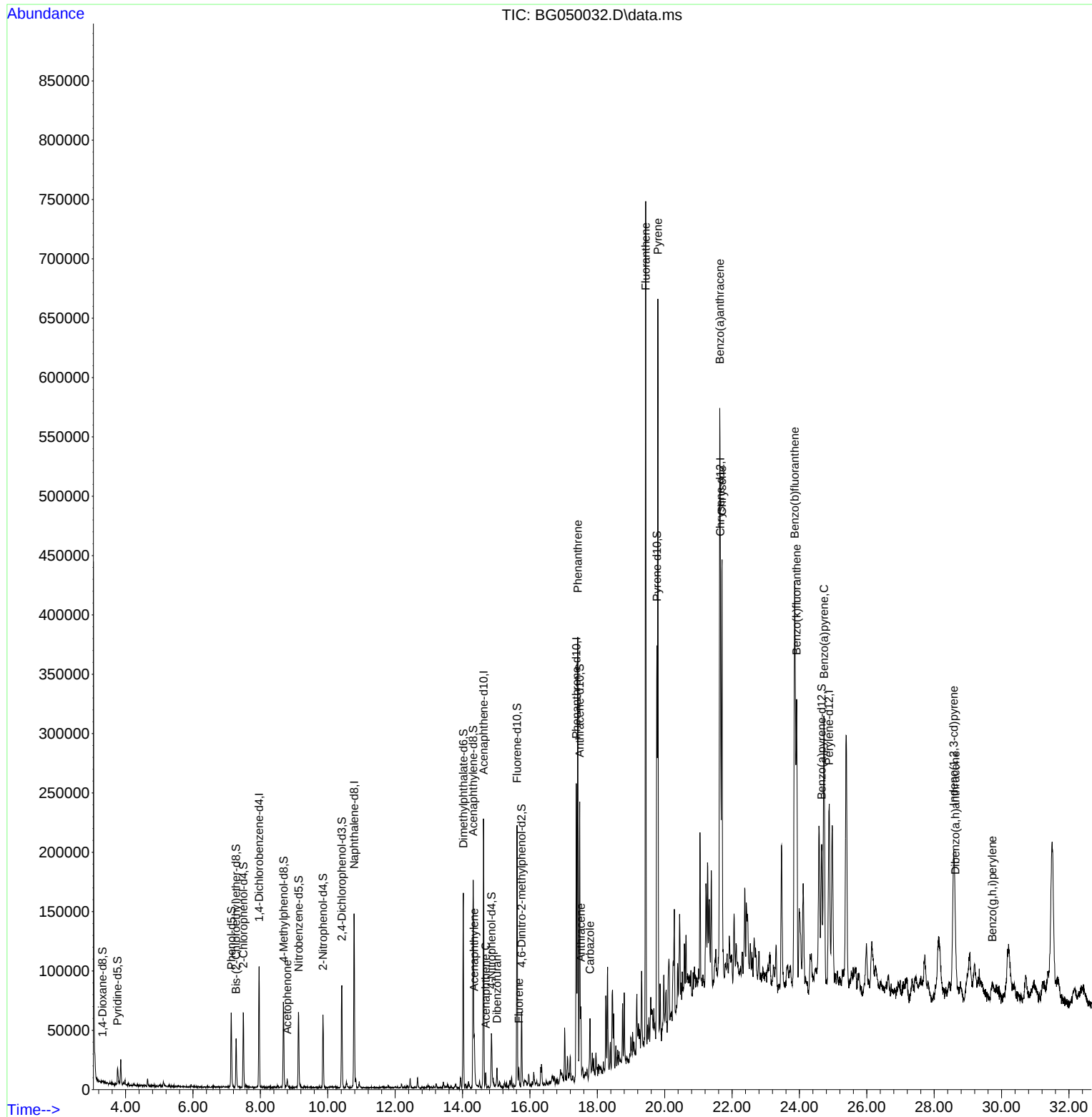
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Data File : BG050032.D
Acq On : 30 Aug 2021 15:00
Operator : CG/JU
Sample : M3458-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

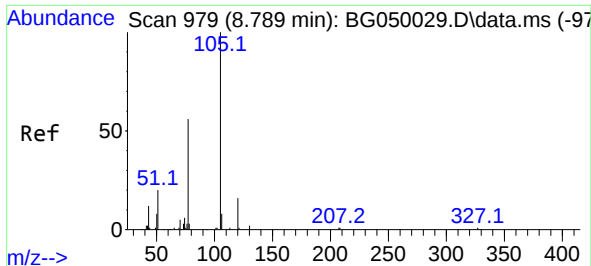
Instrument :
BNA_G
ClientSampleId :
C0AS1

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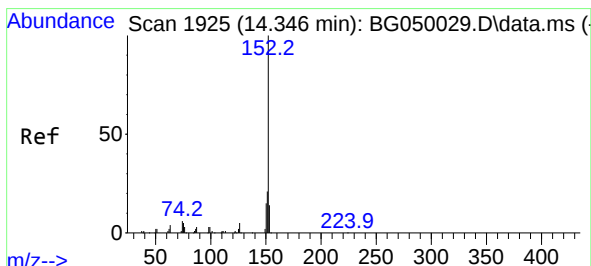
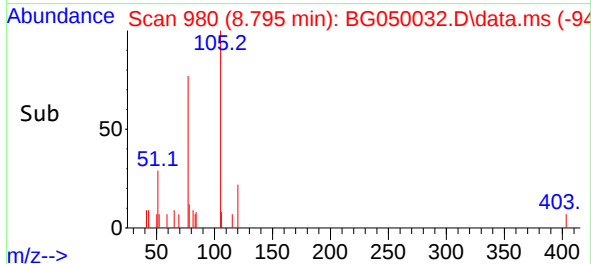
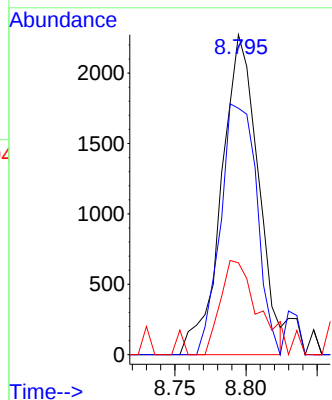
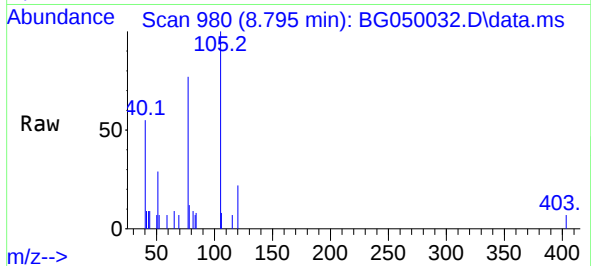
#16
Acetophenone
Concen: 1.337 ng/ul
RT: 8.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:	105	Resp:	4067
Ion	Ratio	Lower	Upper
105	100		
77	77.0	67.7	101.5
51	28.7	25.3	37.9

Instrument :
BNA_G
ClientSampled :
C0AS1

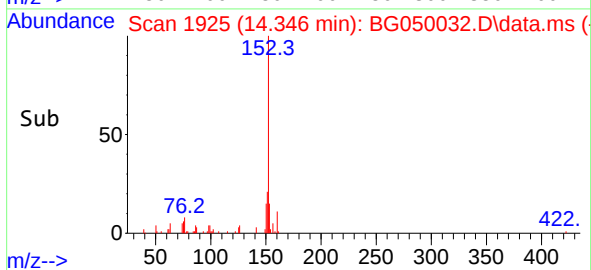
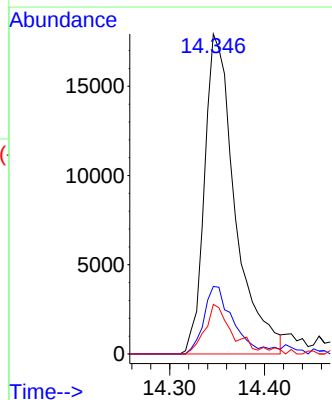
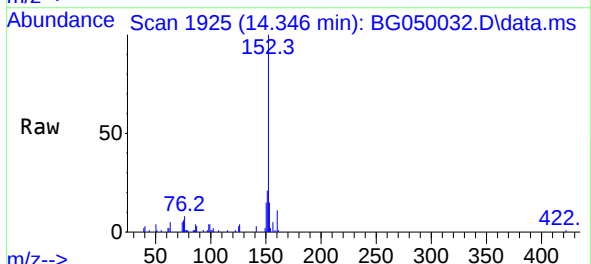
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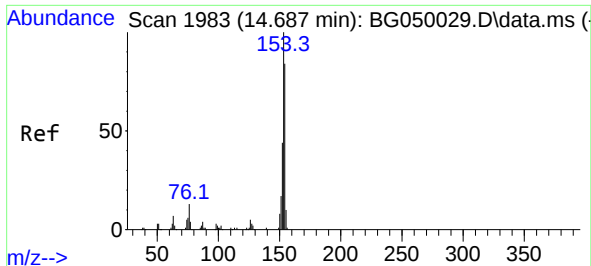
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#50
Acenaphthylene
Concen: 6.260 ng/ul
RT: 14.346 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:	152	Resp:	40219
Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.2	22.8
153	15.5	10.7	16.1





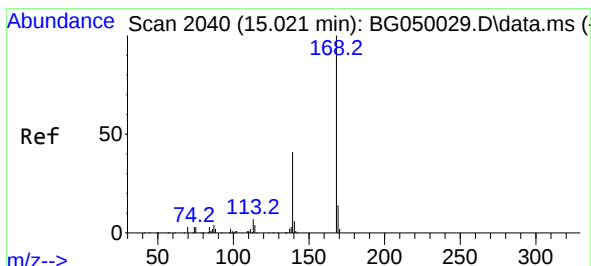
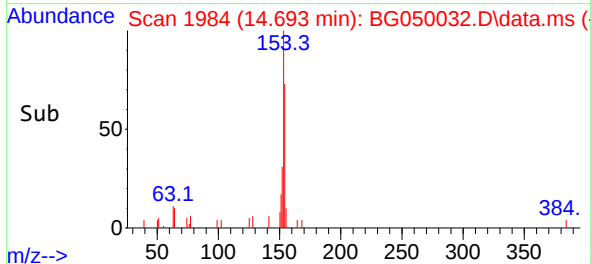
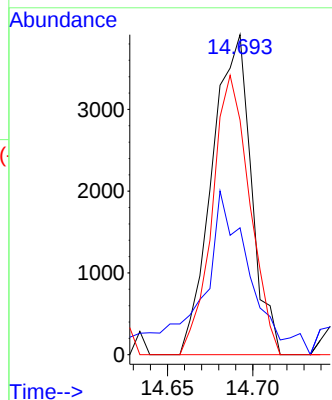
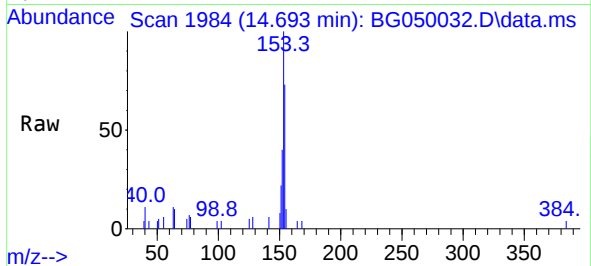
#52
Acenaphthene
Concen: 1.343 ng/u1
RT: 14.693 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:	153	Resp:	6258
Ion	Ratio	Lower	Upper
153	100		
152	39.7	37.4	56.2
154	73.3	71.5	107.3

Instrument :
BNA_G
ClientSampled :
C0AS1

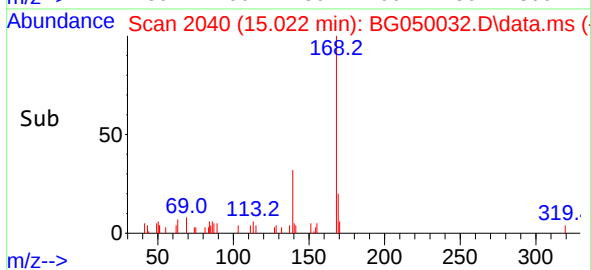
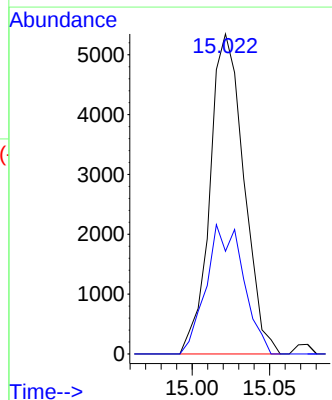
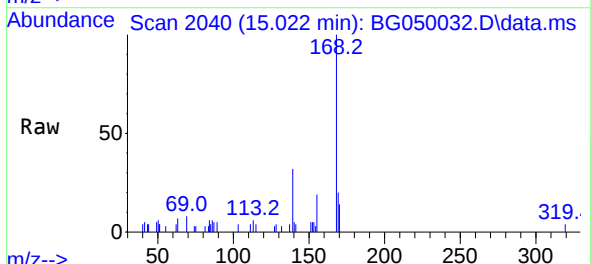
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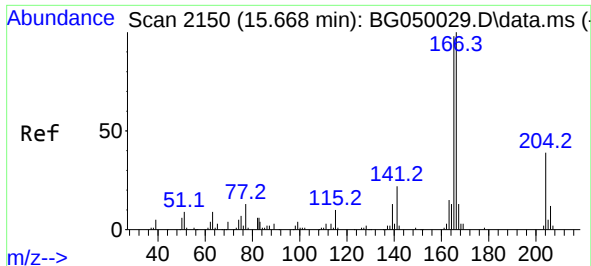
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#56
Dibenzofuran
Concen: 1.259 ng/u1
RT: 15.022 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:	168	Resp:	8123
Ion	Ratio	Lower	Upper
168	100		
139	32.1	33.8	50.8#





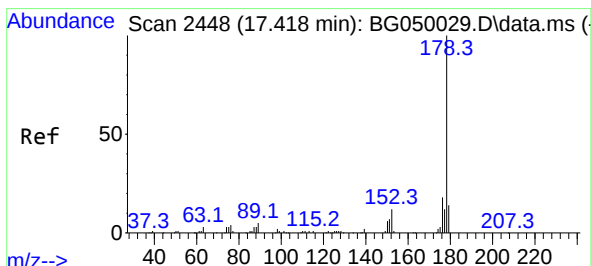
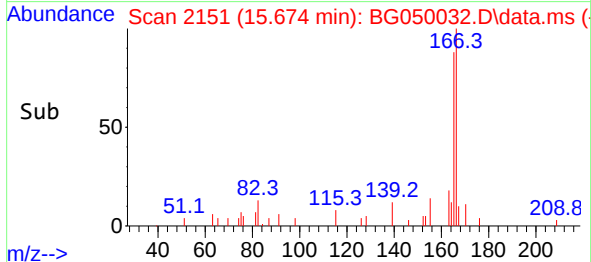
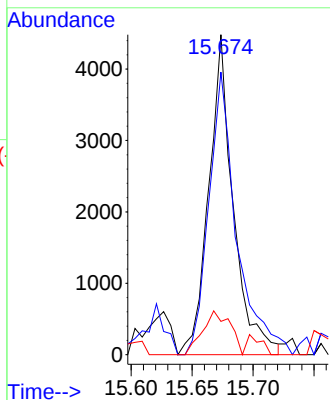
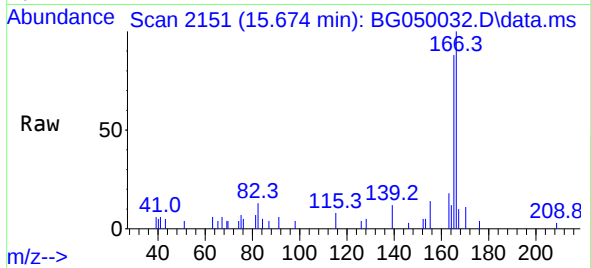
#61
Fluorene
Concen: 1.151 ng/ul
RT: 15.674 min Scan# 2151
Delta R.T. 0.006 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:166 Resp: 6267
Ion Ratio Lower Upper
166 100
165 88.3 83.3 124.9
167 10.4 11.8 17.6#

Instrument :
BNA_G
ClientSampled :
C0AS1

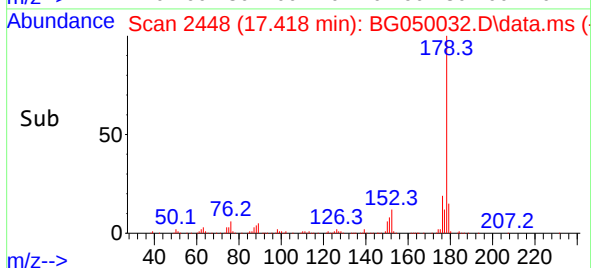
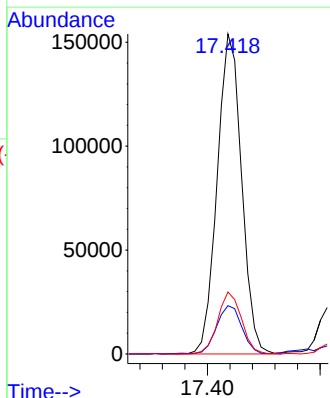
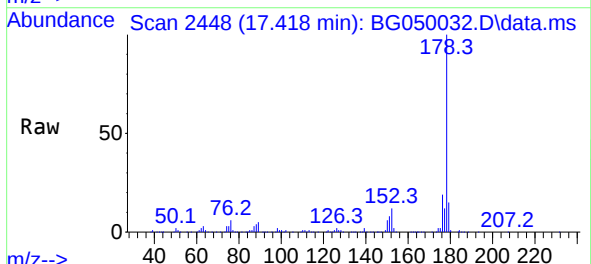
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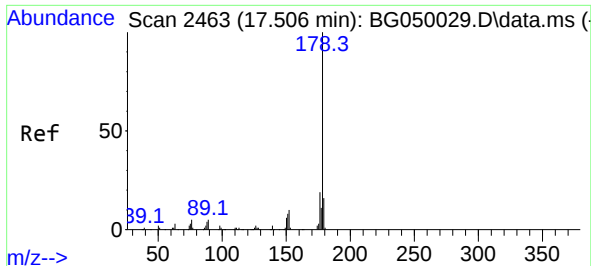
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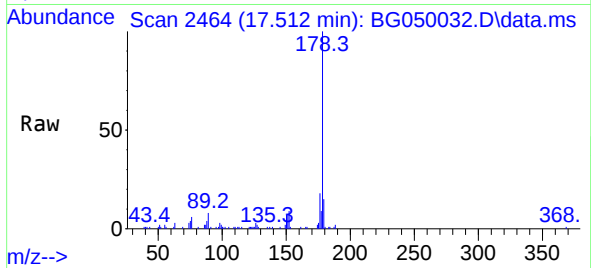
#72
Phenanthrene
Concen: 31.091 ng/ul m
RT: 17.418 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:178 Resp: 231245
Ion Ratio Lower Upper
178 100
179 15.1 11.7 17.5
176 19.4 16.2 24.2

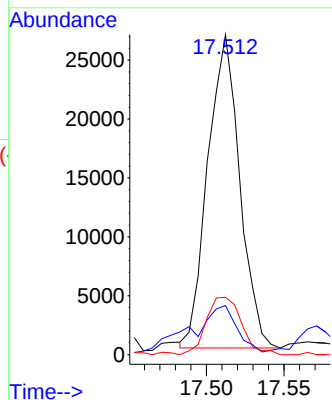




#74
 Anthracene
 Concen: 5.053 ng/u1
 RT: 17.512 min Scan# 2464
 Delta R.T. 0.006 min
 Lab File: BG050032.D
 Acq: 30 Aug 2021 15:00



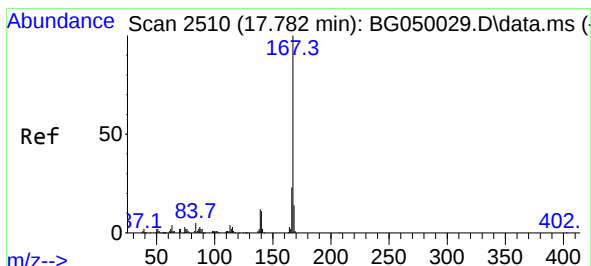
Tgt Ion:178 Resp: 38088
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.4 17.0
 176 18.0 12.8 19.2



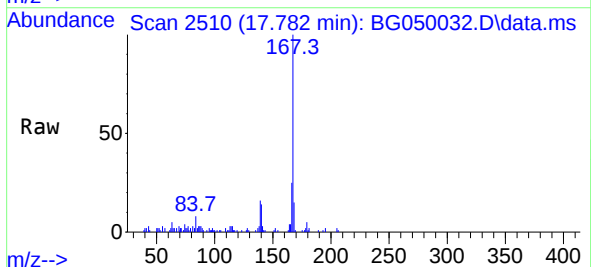
Instrument :
 BNA_G
 ClientSampled :
 C0AS1

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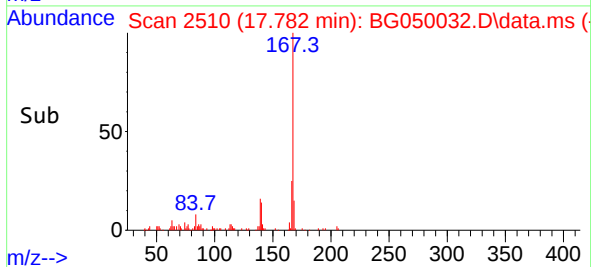
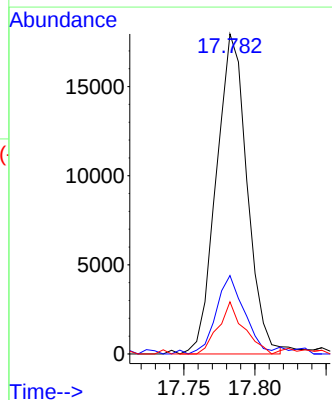
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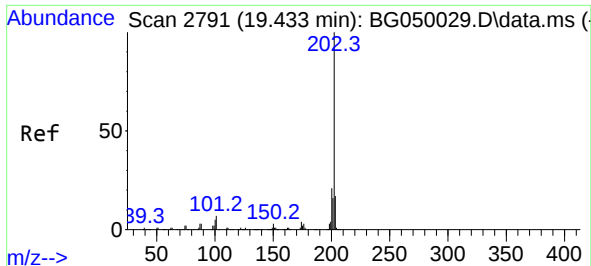


#77
 Carbazole
 Concen: 4.028 ng/u1
 RT: 17.782 min Scan# 2510
 Delta R.T. 0.000 min
 Lab File: BG050032.D
 Acq: 30 Aug 2021 15:00



Tgt Ion:167 Resp: 27016
 Ion Ratio Lower Upper
 167 100
 166 24.5 17.8 26.8
 139 16.3 11.1 16.7





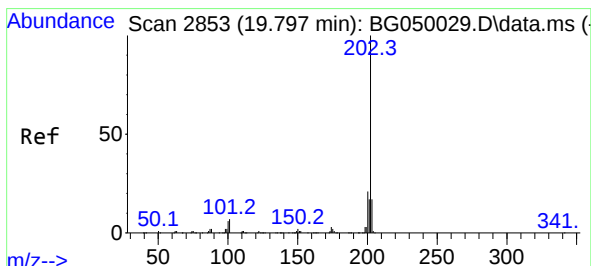
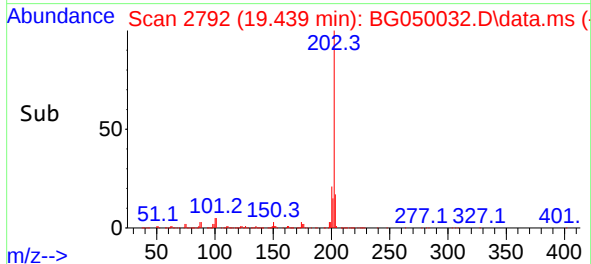
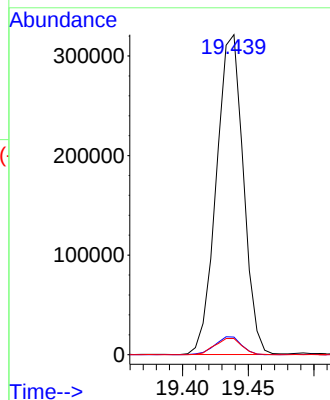
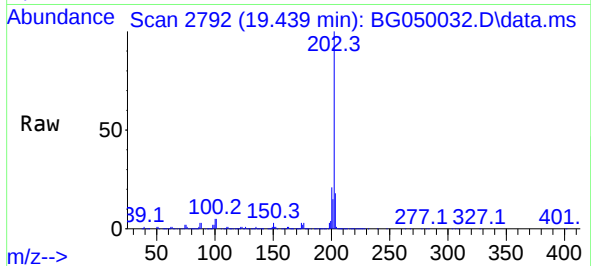
#80
Fluoranthene
Concen: 51.374 ng/u1
RT: 19.439 min Scan# 2792
Delta R.T. 0.006 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:202 Resp: 459283
Ion Ratio Lower Upper
202 100
101 5.5 4.3 6.5
100 5.0 3.5 5.3

Instrument :
BNA_G
ClientSampled :
C0AS1

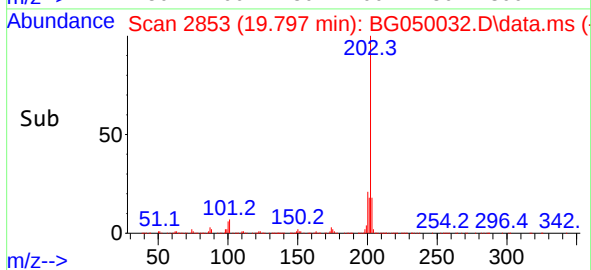
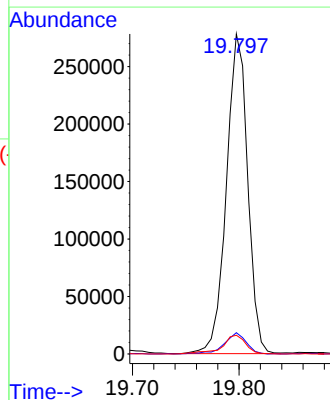
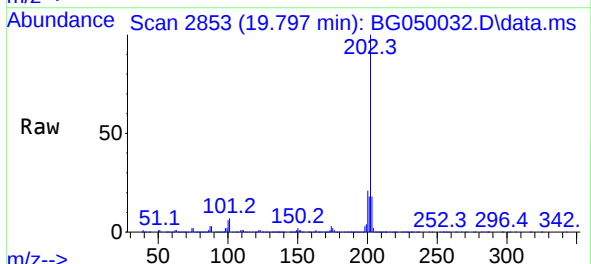
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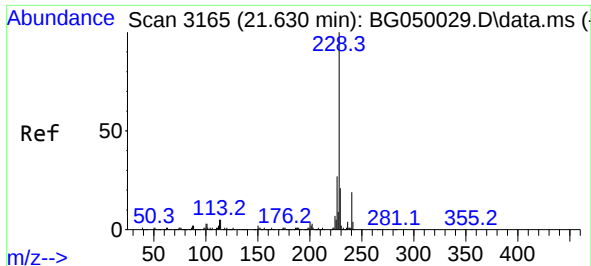
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#82
Pyrene
Concen: 43.492 ng/u1
RT: 19.797 min Scan# 2853
Delta R.T. 0.000 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:202 Resp: 385288
Ion Ratio Lower Upper
202 100
101 6.7 5.4 8.0
100 5.9 5.0 7.6





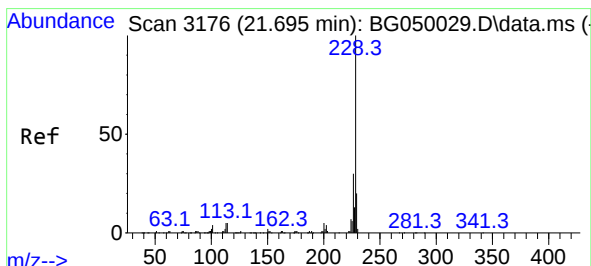
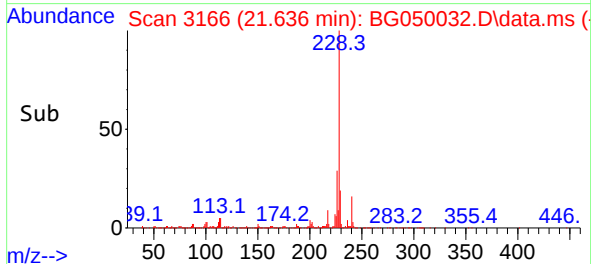
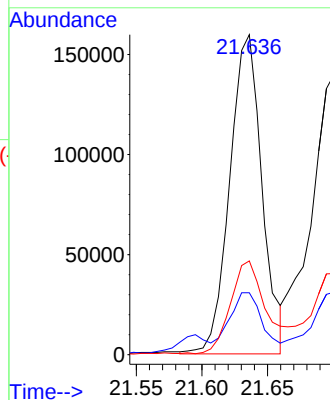
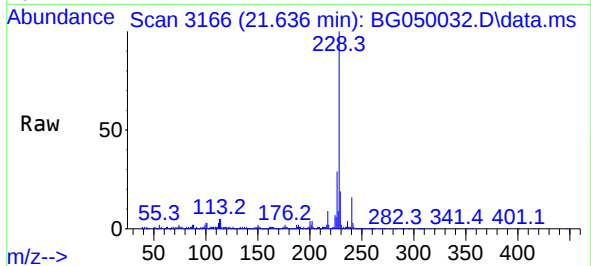
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Benzo(a)anthracene
Concen: 32.700 ng/u1
RT: 21.636 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:228 Resp: 273161
Ion Ratio Lower Upper
228 100
229 19.4 16.2 24.4
226 29.3 21.0 31.4

Instrument :
BNA_G
ClientSampled :
C0AS1

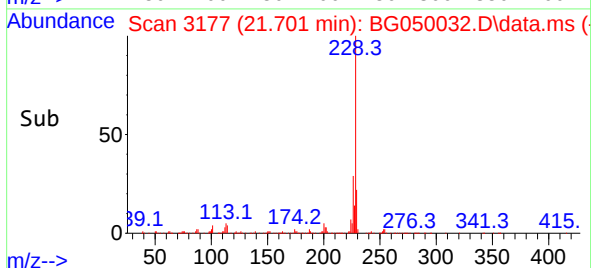
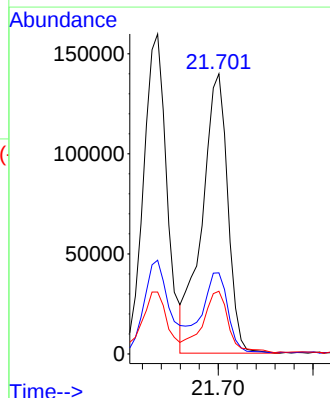
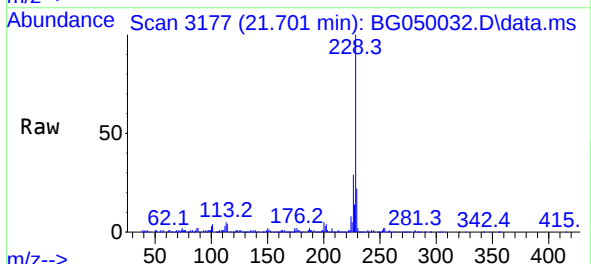
Manual Integrations
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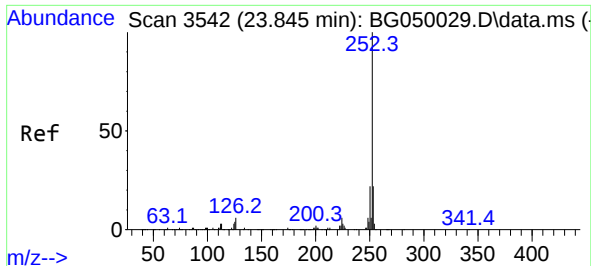
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#87
Chrysene
Concen: 33.452 ng/u1
RT: 21.701 min Scan# 3177
Delta R.T. 0.006 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:228 Resp: 264156
Ion Ratio Lower Upper
228 100
226 29.0 23.0 34.4
229 22.4 17.8 26.6





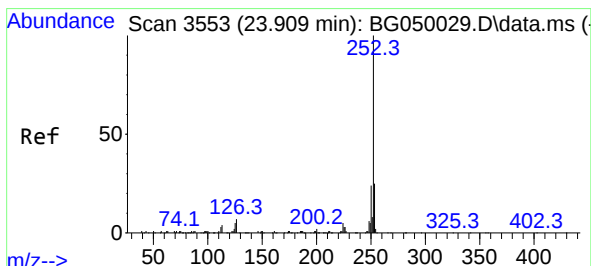
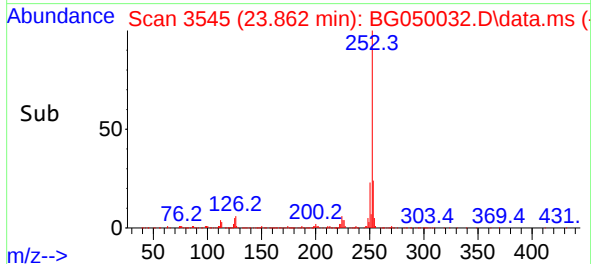
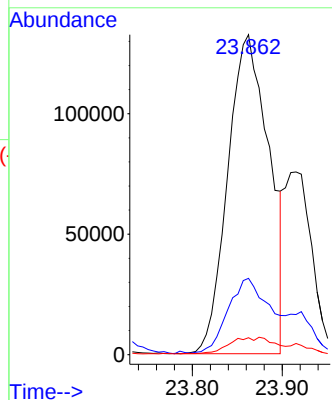
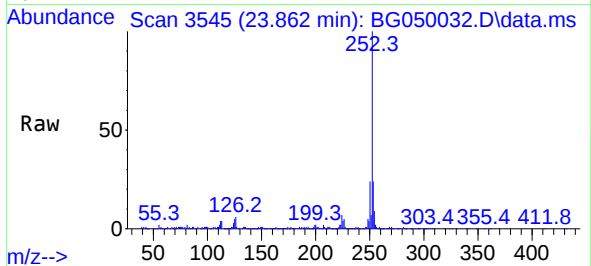
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Benzo(b)fluoranthene
Concen: 47.061 ng/ul
RT: 23.862 min Scan# 3545
Delta R.T. 0.018 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:252 Resp: 423389
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 5.3 3.4 5.0#

Instrument :
BNA_G
ClientSampled :
C0AS1

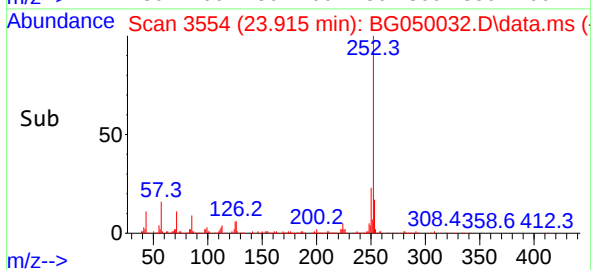
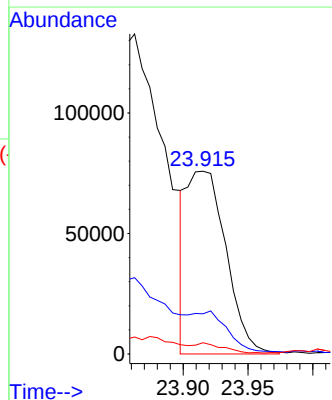
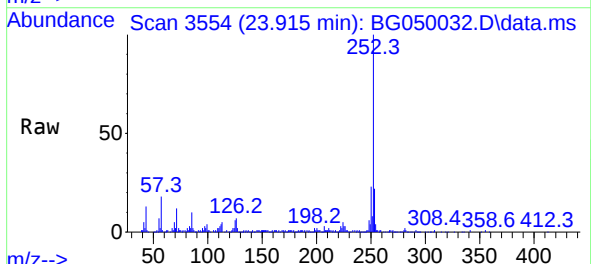
Manual Integrations
APPROVED

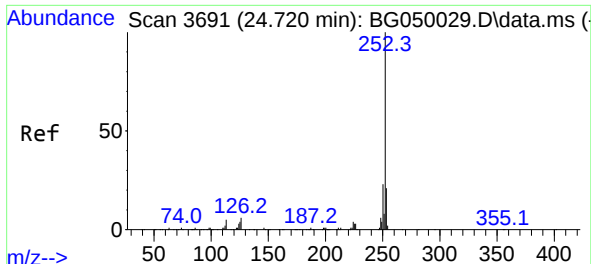
mohammad
8/31/2021 11:35:29 AM



#91
Benzo(k)fluoranthene
Concen: 18.663 ng/ul m
RT: 23.915 min Scan# 3554
Delta R.T. 0.006 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

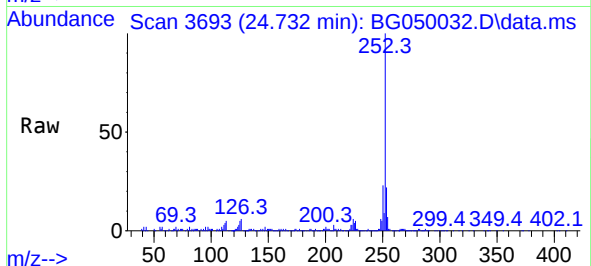
Tgt Ion:252 Resp: 159599
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 6.1 4.1 6.1#





#93
Benzo(a)pyrene
Concen: 30.978 ng/ul
RT: 24.732 min Scan# 3693
Delta R.T. 0.012 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

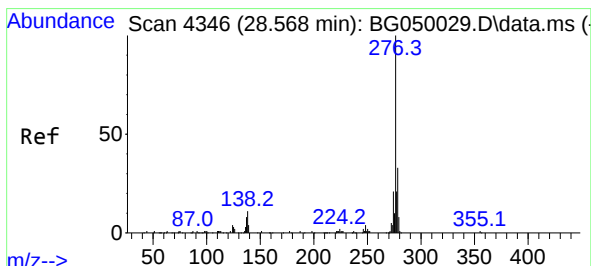
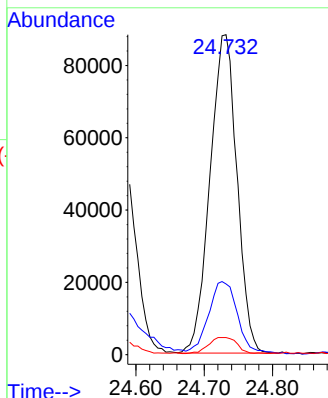
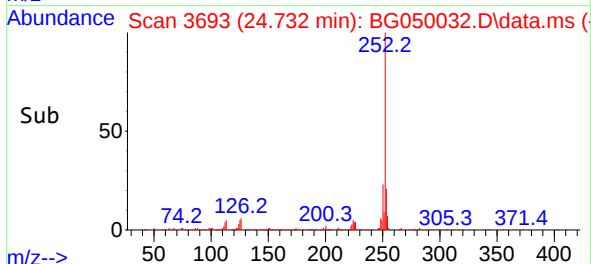
Instrument :
BNA_G
ClientSampled :
C0AS1



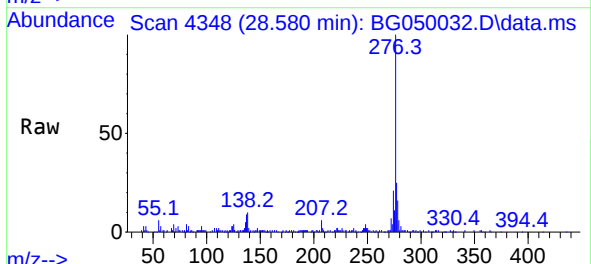
Tgt Ion:252 Resp: 242034
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 5.3 4.4 6.6

Manual Integrations
APPROVED

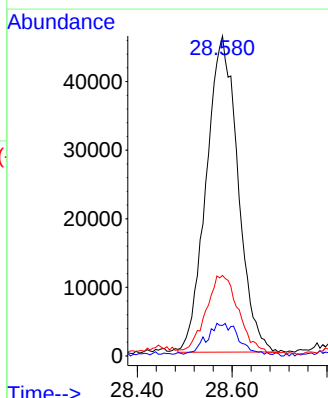
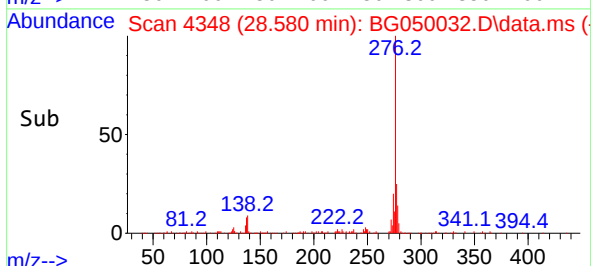
mohammad
8/31/2021 11:35:29 AM

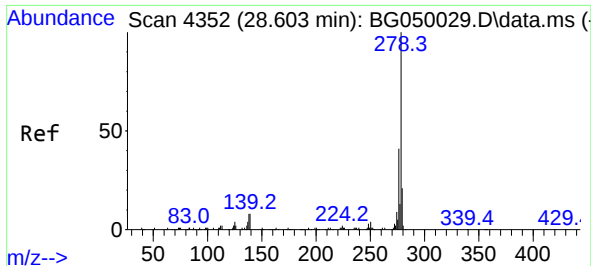


#94
Indeno(1,2,3-cd)pyrene
Concen: 20.702 ng/ul
RT: 28.580 min Scan# 4348
Delta R.T. 0.012 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00



Tgt Ion:276 Resp: 213361
Ion Ratio Lower Upper
276 100
138 9.5 5.5 8.3#
277 25.1 18.6 27.8





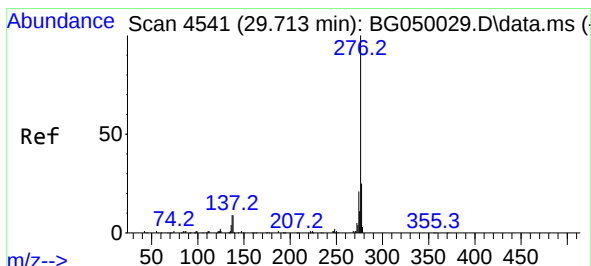
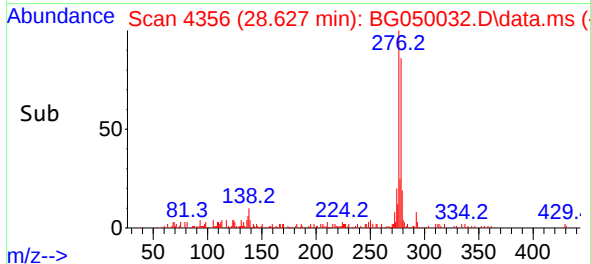
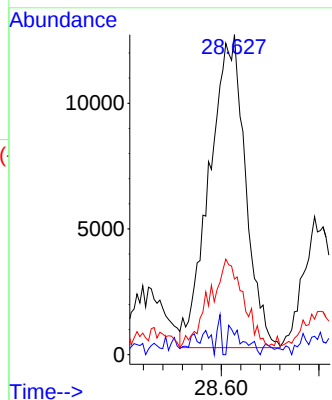
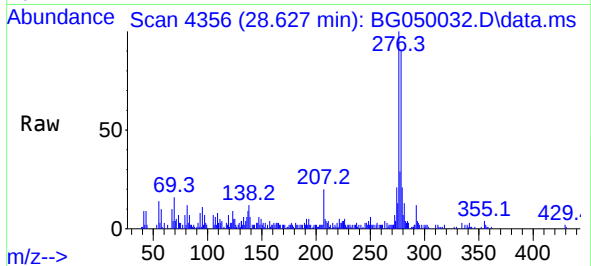
#95
Dibenzo(a,h)anthracene
Concen: 7.367 ng/ul m
RT: 28.627 min Scan# 4356
Delta R.T. 0.024 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Instrument :
BNA_G
ClientSampled :
C0AS1

Tgt Ion:278 Resp: 63561
Ion Ratio Lower Upper
278 100
139 6.2 5.2 7.8
279 23.7 19.0 28.4

Manual Integrations
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mohammad
8/31/2021 11:35:29 AM



#96
Benzo(g,h,i)perylene
Concen: 2.776 ng/ul m
RT: 29.725 min Scan# 4543
Delta R.T. 0.012 min
Lab File: BG050032.D
Acq: 30 Aug 2021 15:00

Tgt Ion:276 Resp: 24054
Ion Ratio Lower Upper
276 100
138 8.6 8.6 13.0#
277 20.1 17.4 26.0

