

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050039.D
 Acq On : 30 Aug 2021 19:50
 Operator : CG/JU
 Sample : M3472-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC0

Manual Integrations
 APPROVED

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 8/31/2021 11:35:37 AM

Quant Time: Aug 31 01:01:21 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	7.964	152	16895	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.783	136	68933	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.625	164	49753	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.380	188	99764	20.000	ng/ul	0.00
79) Chrysene-d12	21.651	240	88402	20.000	ng/ul	0.00
88) Perylene-d12	24.876	264	94465	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	1511	4.612	ng/uL	0.00
4) Pyridine-d5	3.769	84	5815m	5.892	ng/ul	0.03
7) Phenol-d5	7.141	99	31920	22.249	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.282	67	17899	22.457	ng/ul	0.00
11) 2-Chlorophenol-d4	7.494	132	25621	23.867	ng/ul	0.00
15) 4-Methylphenol-d8	8.686	113	25079	22.196	ng/ul	0.00
21) Nitrobenzene-d5	9.138	128	13677	25.592	ng/ul	0.00
24) 2-Nitrophenol-d4	9.861	143	15348	24.119	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.419	165	26942	23.737	ng/ul	0.01
31) 4-Chloroaniline-d4	10.918	131	29211	18.908	ng/ul	0.00
46) Dimethylphthalate-d6	14.020	166	86249	22.651	ng/ul	0.00
49) Acenaphthylene-d8	14.320	160	110382	24.724	ng/ul	0.00
54) 4-Nitrophenol-d4	14.866	143	10208	18.530	ng/ul	0.02
60) Fluorene-d10	15.618	176	78374	24.277	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.753	200	5941	9.256	ng/ul	0.00
73) Anthracene-d10	17.480	188	121723	27.171	ng/ul	0.00
81) Pyrene-d10	19.771	212	133503	27.946	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.659	264	126600	25.261	ng/ul	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.830	128	14236	4.132	ng/ul	96
36) 2-Methylnaphthalene	12.446	142	13688	5.344	ng/ul	95
37) 1-Methylnaphthalene	12.663	142	11495	4.446	ng/ul	91
43) 1,1'-Biphenyl	13.456	154	3941	1.134	ng/ul	95
56) Dibenzofuran	15.025	168	7535	1.838	ng/ul#	80
72) Phenanthrene	17.421	178	25990	5.226	ng/ul#	95
80) Fluoranthene	19.436	202	14868	2.522	ng/ul#	89
82) Pyrene	19.801	202	21786	3.730	ng/ul#	94
85) Benzo(a)anthracene	21.633	228	13072m	2.373	ng/ul	
87) Chrysene	21.698	228	16608	3.190	ng/ul	95
90) Benzo(b)fluoranthene	23.848	252	17146m	2.838	ng/ul	
91) Benzo(k)fluoranthene	23.901	252	7907	1.377	ng/ul#	89
93) Benzo(a)pyrene	24.723	252	11578	2.206	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.559	276	10430m	1.507	ng/ul	
96) Benzo(g,h,i)perylene	29.752	276	10363m	1.781	ng/ul	

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

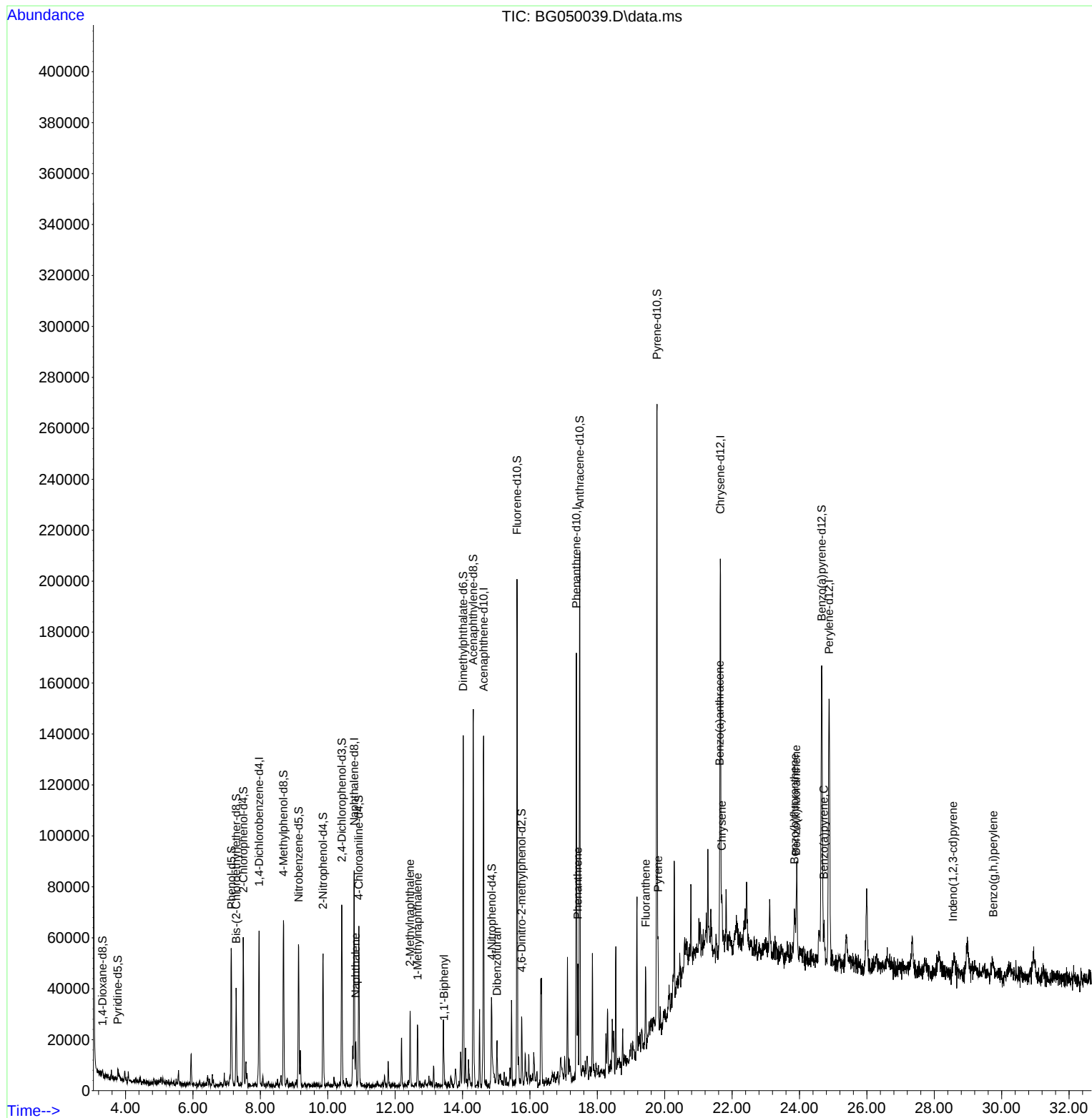
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Data File : BG050039.D
Acq On : 30 Aug 2021 19:50
Operator : CG/JU
Sample : M3472-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

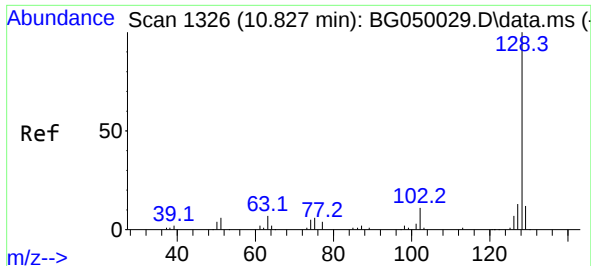
Instrument :
BNA_G
ClientSampleId :
C0AC0

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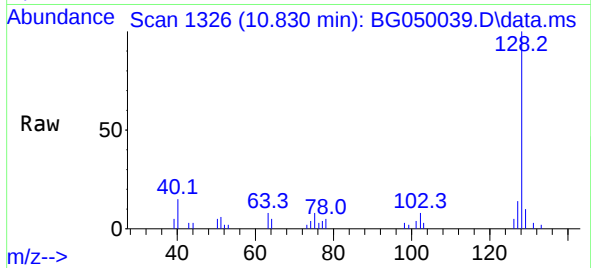
Quant Time: Aug 31 01:01:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration





#30
Naphthalene
Concen: 4.132 ng/ul
RT: 10.830 min Scan# 1326
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50

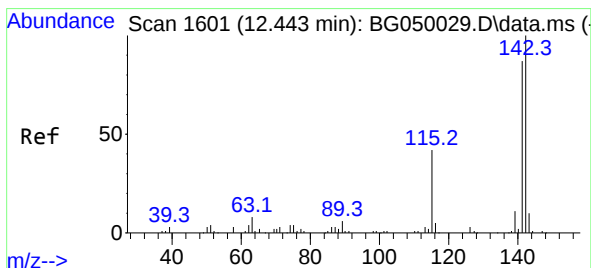
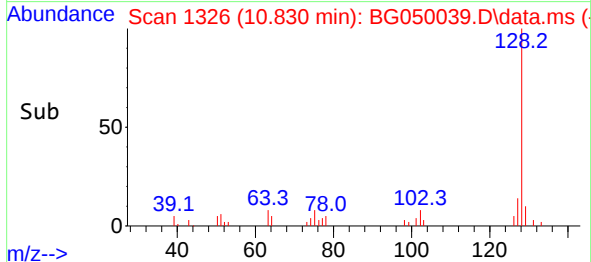
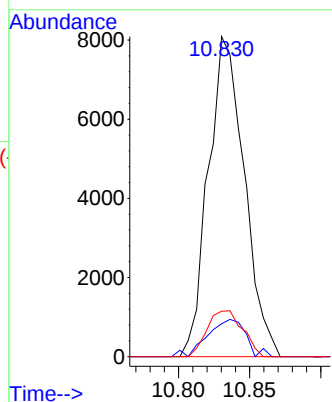
Instrument :
BNA_G
ClientSampled :
C0AC0



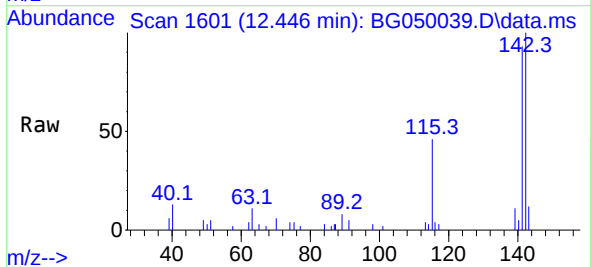
Tgt Ion:	128	Resp:	14236
Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.3	13.9
127	14.2	9.8	14.6

Manual Integrations
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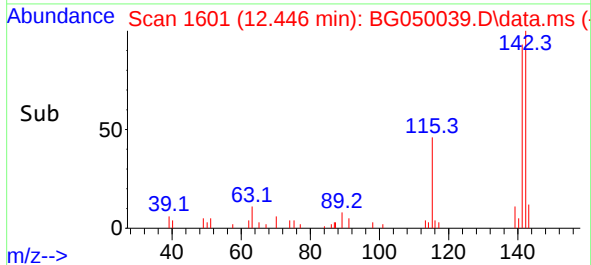
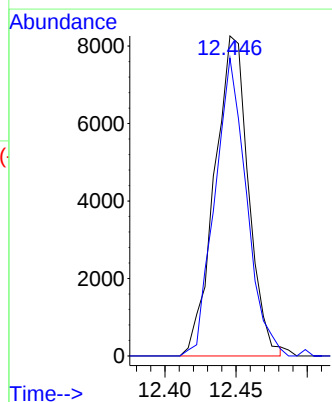
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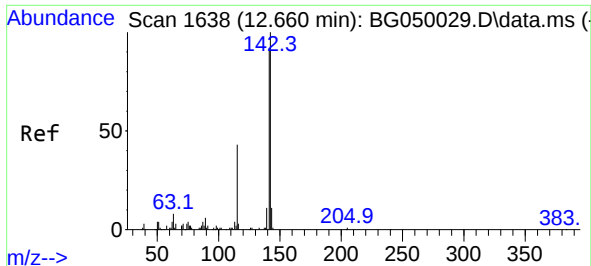


#36
2-Methylnaphthalene
Concen: 5.344 ng/ul
RT: 12.446 min Scan# 1601
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50



Tgt Ion:	142	Resp:	13688
Ion	Ratio	Lower	Upper
142	100		
141	93.1	70.5	105.7





#37

1-Methylnaphthalene

Concen: 4.446 ng/ul

RT: 12.663 min Scan# 1638

Delta R.T. 0.003 min

Lab File: BG050039.D

Acq: 30 Aug 2021 19:50

Tgt Ion:	142	Resp:	11495
Ion	Ratio	Lower	Upper
142	100		
141	85.8	75.8	113.8
116	4.1	3.7	5.5

Instrument :

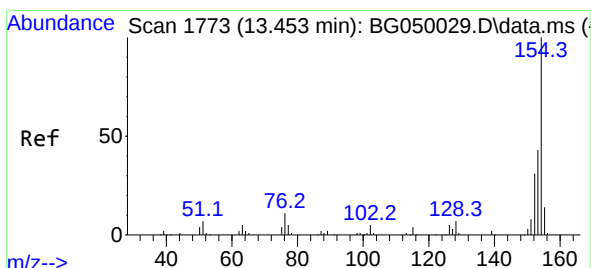
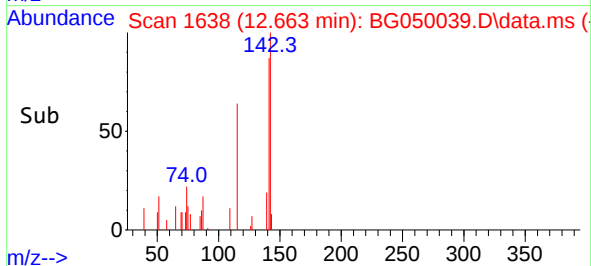
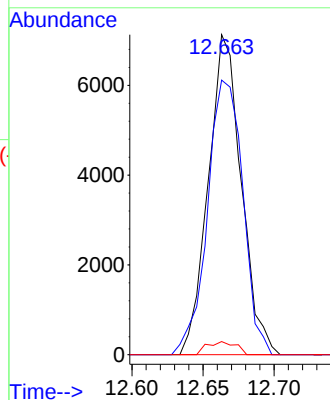
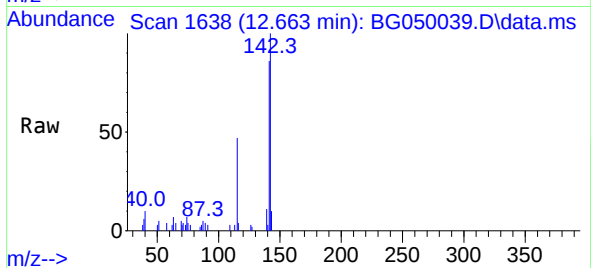
BNA_G

ClientSampled :

C0AC0

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#43

1,1'-Biphenyl

Concen: 1.134 ng/ul

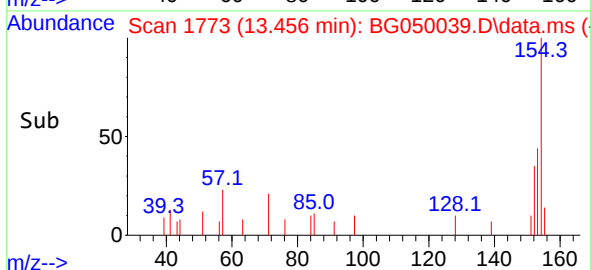
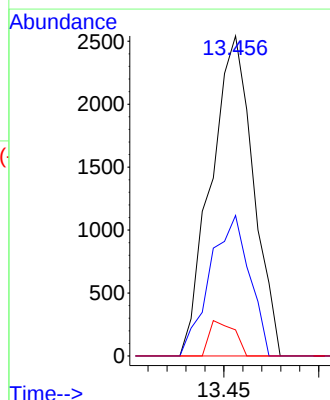
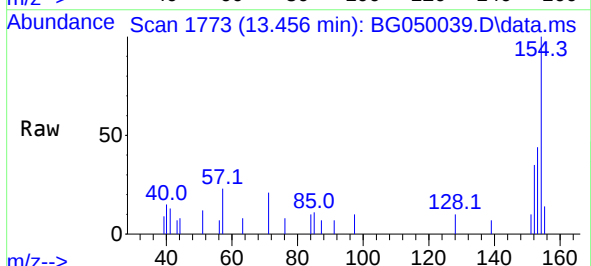
RT: 13.456 min Scan# 1773

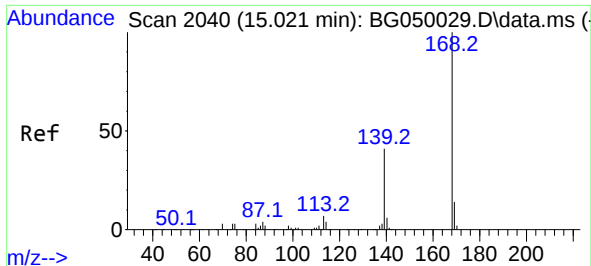
Delta R.T. 0.003 min

Lab File: BG050039.D

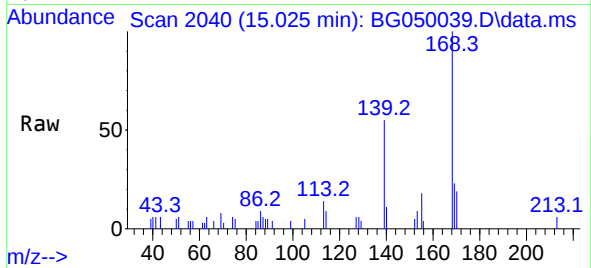
Acq: 30 Aug 2021 19:50

Tgt Ion:	154	Resp:	3941
Ion	Ratio	Lower	Upper
154	100		
153	43.9	32.5	48.7
76	8.2	7.8	11.8

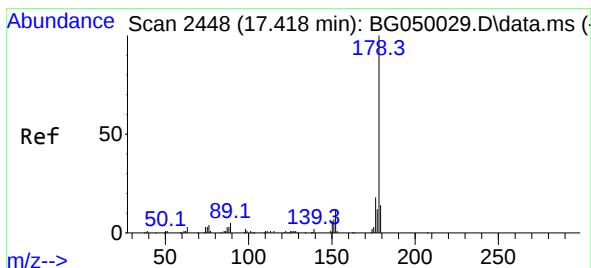
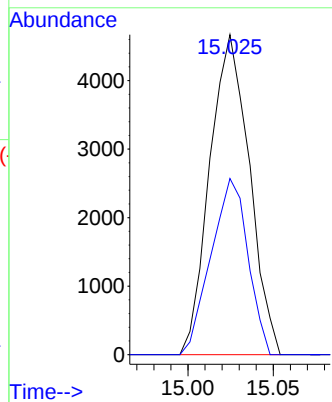
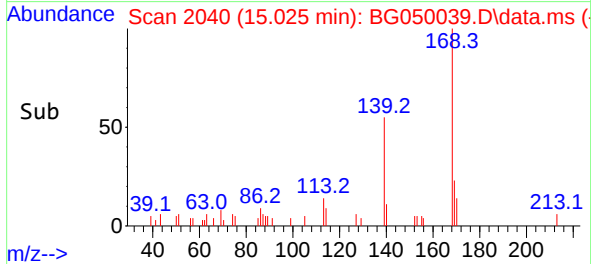




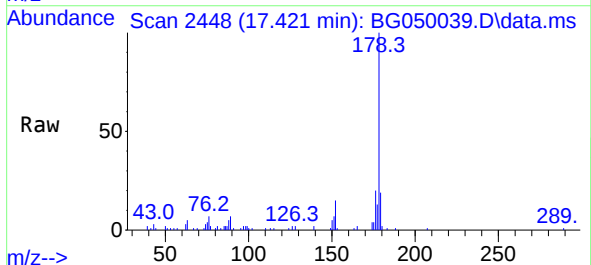
#56
Dibenzenofuran
Concen: 1.838 ng/ul
RT: 15.025 min Scan# 2040
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50



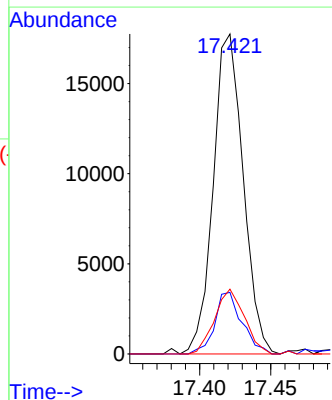
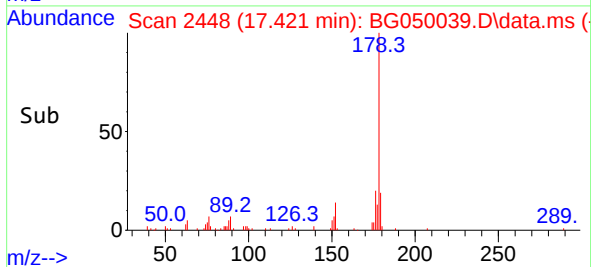
Tgt Ion:168 Resp: 7535
Ion Ratio Lower Upper
168 100
139 55.1 33.8 50.8#



#72
Phenanthrene
Concen: 5.226 ng/ul
RT: 17.421 min Scan# 2448
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50



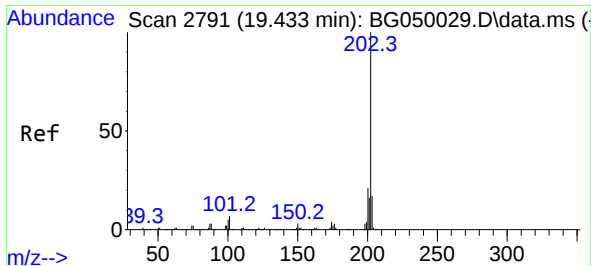
Tgt Ion:178 Resp: 25990
Ion Ratio Lower Upper
178 100
179 19.2 11.7 17.5#
176 20.2 16.2 24.2



Instrument :
BNA_G
ClientSampled :
C0AC0

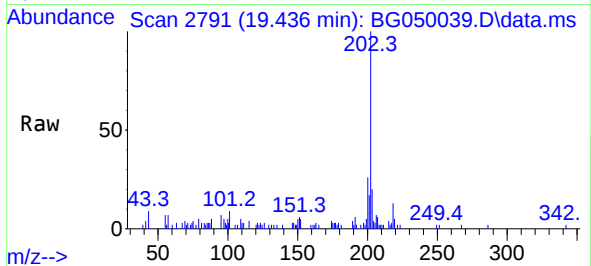
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#80
Fluoranthene
Concen: 2.522 ng/u1
RT: 19.436 min Scan# 2791
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50

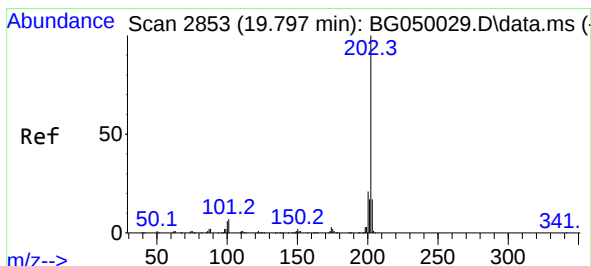
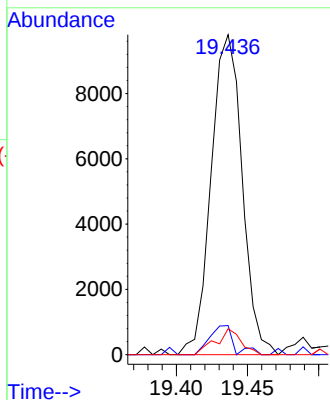
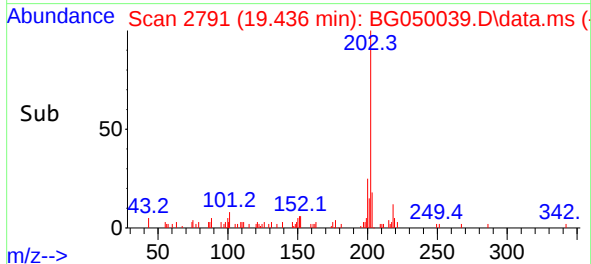
Instrument :
BNA_G
ClientSampled :
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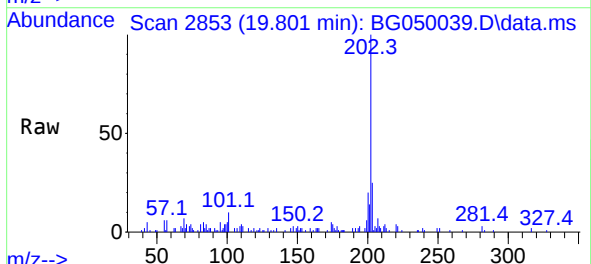
Tgt Ion:202 Resp: 14868
Ion Ratio Lower Upper
202 100
101 9.1 4.3 6.5#
100 8.1 3.5 5.3#

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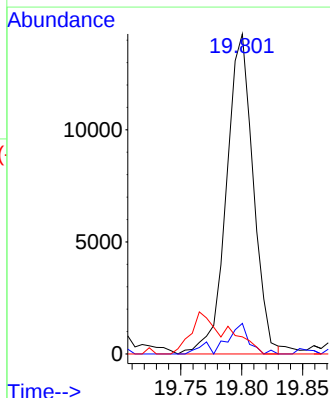
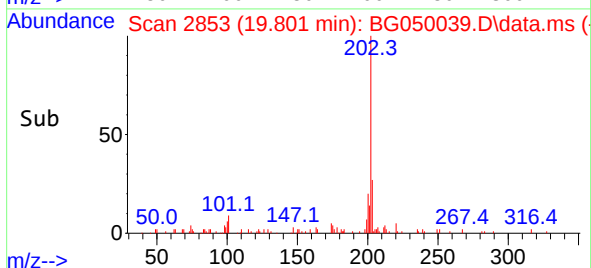
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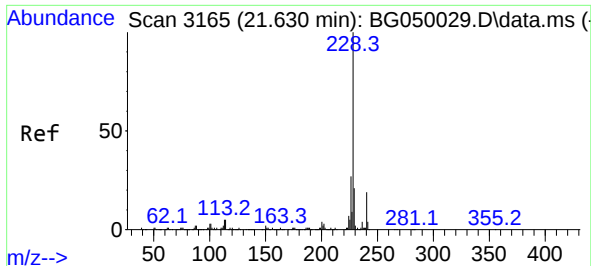


#82
Pyrene
Concen: 3.730 ng/u1
RT: 19.801 min Scan# 2853
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50



Tgt Ion:202 Resp: 21786
Ion Ratio Lower Upper
202 100
101 9.6 5.4 8.0#
100 5.3 5.0 7.6





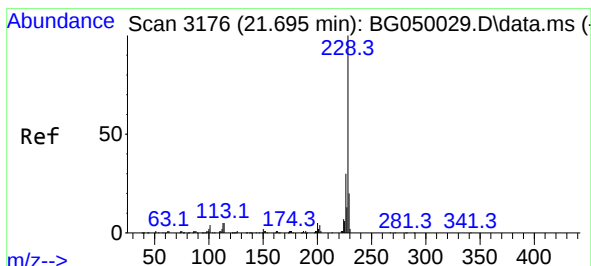
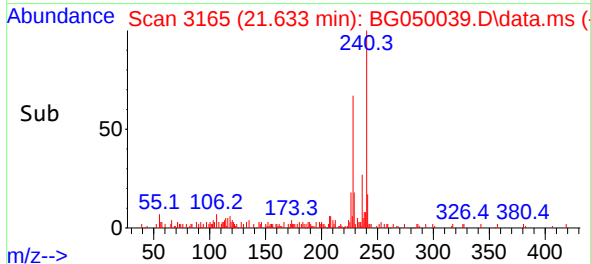
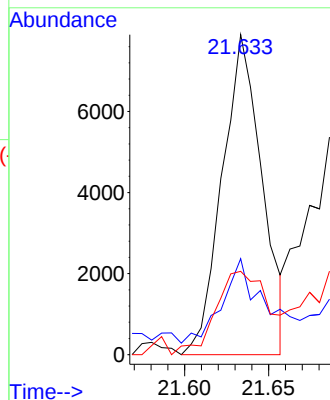
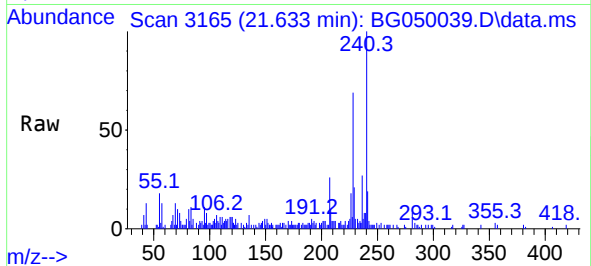
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Benzo(a)anthracene
Concen: 2.373 ng/ul m
RT: 21.633 min Scan# 3165
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50

Tgt Ion:228 Resp: 13072
Ion Ratio Lower Upper
228 100
229 30.0 16.2 24.4#
226 26.1 21.0 31.4

Instrument :
BNA_G
ClientSampled :
C0AC0

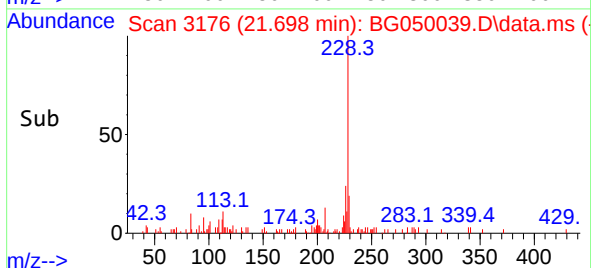
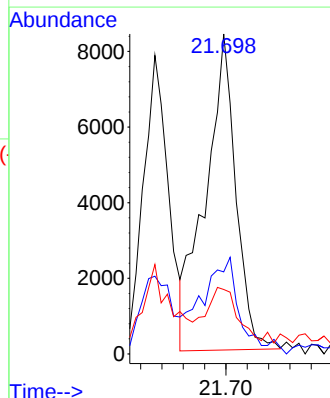
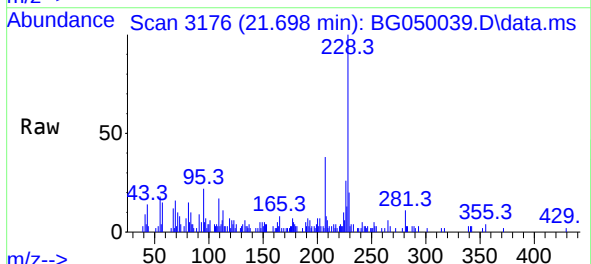
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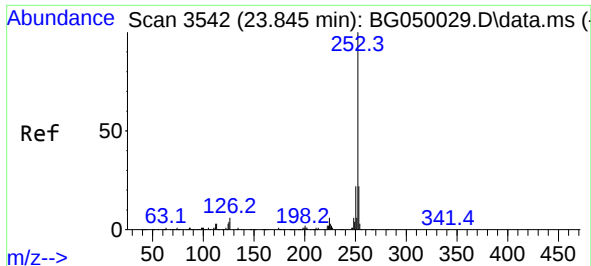
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#87
Chrysene
Concen: 3.190 ng/ul
RT: 21.698 min Scan# 3176
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50

Tgt Ion:228 Resp: 16608
Ion Ratio Lower Upper
228 100
226 25.6 23.0 34.4
229 20.2 17.8 26.6





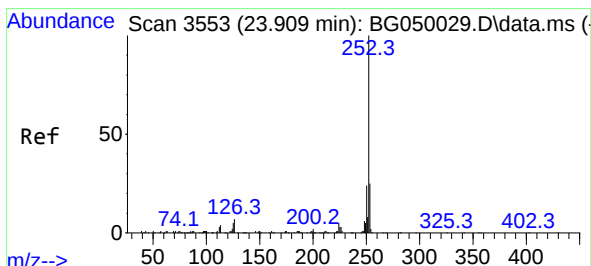
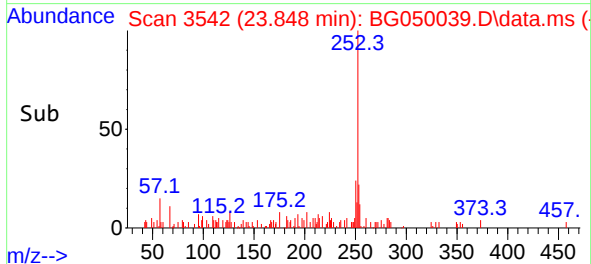
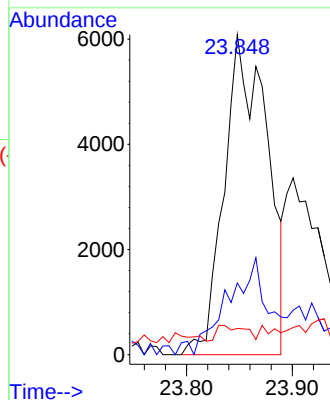
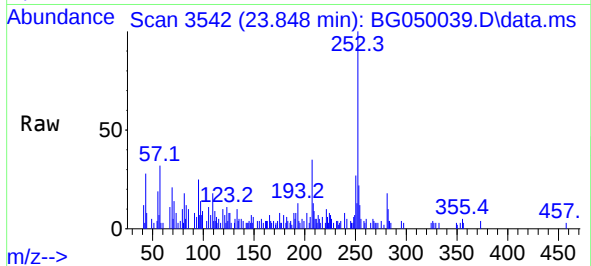
#90
Benzo(b)fluoranthene
Concen: 2.838 ng/ul m
RT: 23.848 min Scan# 3542
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50

Tgt Ion:252 Resp: 17146
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 8.2 3.4 5.0#

Instrument :
BNA_G
ClientSampled :
C0AC0

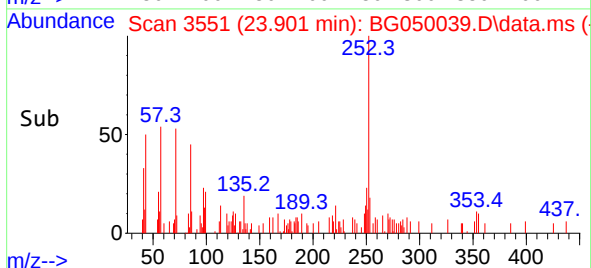
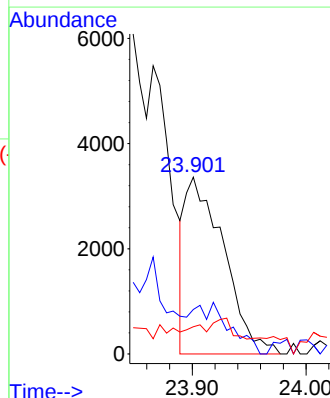
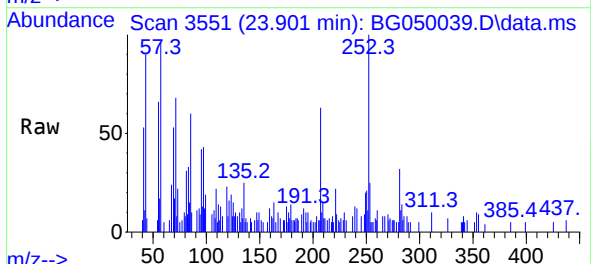
Manual Integrations
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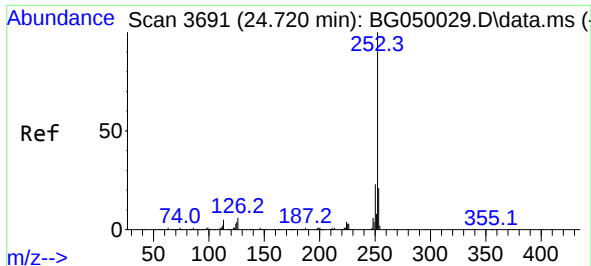
mohammad
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#91
Benzo(k)fluoranthene
Concen: 1.377 ng/ul
RT: 23.901 min Scan# 3551
Delta R.T. -0.009 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50

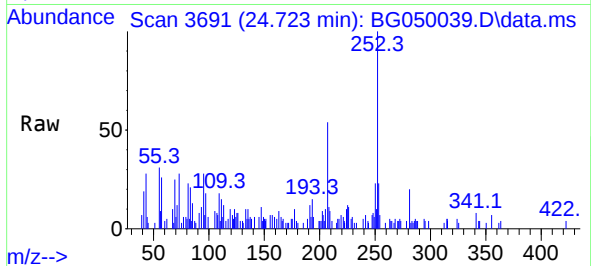
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Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 15.4 4.1 6.1#





#93
Benzo(a)pyrene
Concen: 2.206 ng/ul
RT: 24.723 min Scan# 3691
Delta R.T. 0.003 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50

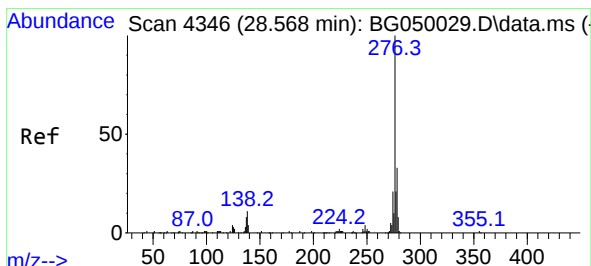
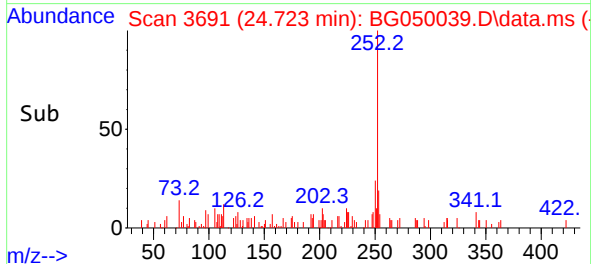
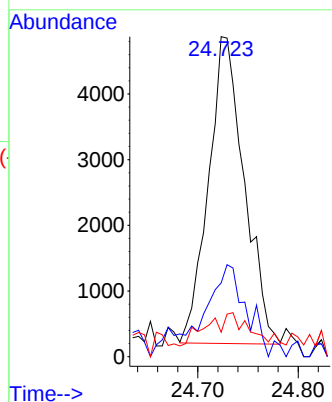
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BNA_G
ClientSampled :
C0AC0



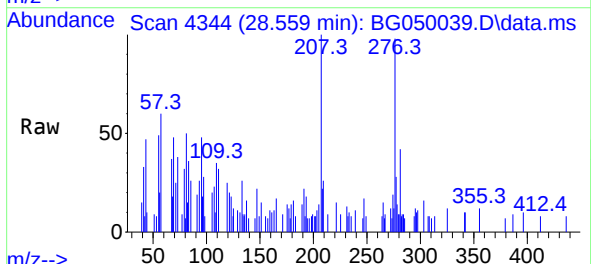
Tgt Ion:252 Resp: 11578
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 7.7 4.4 6.6#

Manual Integrations
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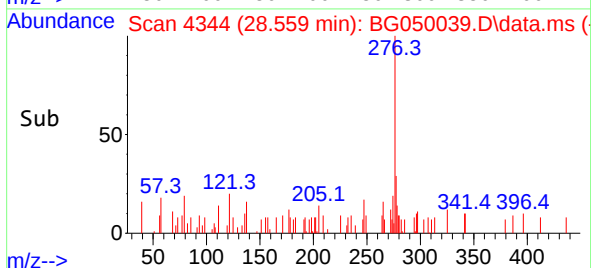
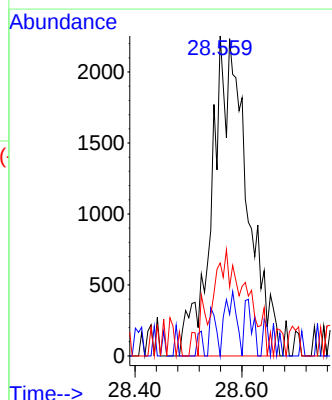
mohammad
8/31/2021 11:35:37 AM

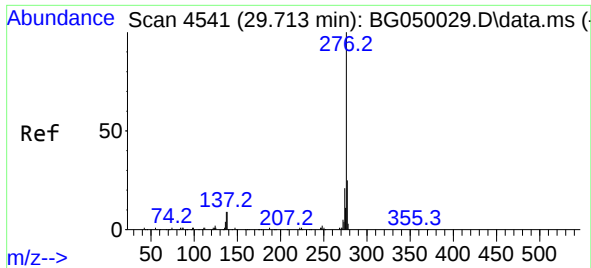


#94
Indeno(1,2,3-cd)pyrene
Concen: 1.507 ng/ul m
RT: 28.559 min Scan# 4344
Delta R.T. -0.008 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50

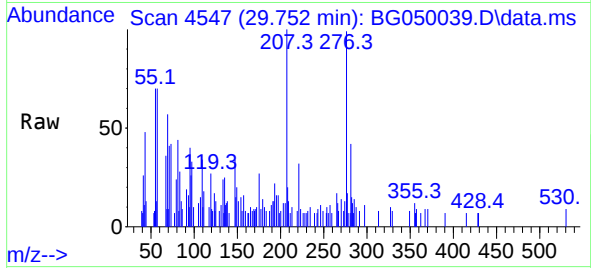


Tgt Ion:276 Resp: 10430
Ion Ratio Lower Upper
276 100
138 0.0 5.5 8.3#
277 29.0 18.6 27.8#

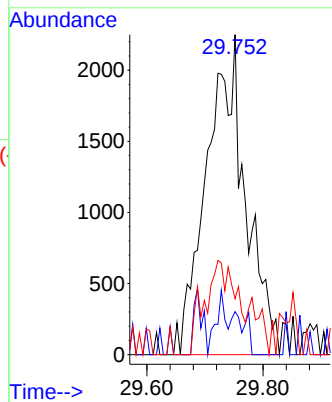
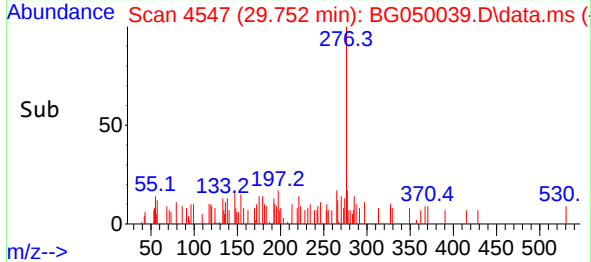




#96
Benzo(g,h,i)perylene
Concen: 1.781 ng/ul m
RT: 29.752 min Scan# 4547
Delta R.T. 0.038 min
Lab File: BG050039.D
Acq: 30 Aug 2021 19:50



Tgt Ion: 276 Resp: 10363
Ion Ratio Lower Upper
276 100
138 13.4 8.6 13.0#
277 17.5 17.4 26.0



Instrument :
BNA_G
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

mohammad
8/31/2021 11:35:37 AM