Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050018.D
Acq On : 28 Aug 2021 6:00
Operator : CG/JU
Sample : M3518-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AS4

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:26 AM

Quant Time: Aug 28 06:42:01 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	7.964	152	32091	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.783	136	131589	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.625	164	90627	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.380	188	187230	20.000	ng/ul	-0.01
79) Chrysene-d12	21.651	240	188685	20.000	ng/ul	-0.01
88) Perylene-d12	24.882	264	191455	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	2359	3.791	ng/uL	-0.02
4) Pyridine-d5	3.758	84	20543	10.959	ng/ul	-0.01
7) Phenol-d5	7.135	99	51160	18.774	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.282	67	32013	21.146	ng/ul	-0.03
11) 2-Chlorophenol-d4	7.500	132	41129	20.171	ng/ul	-0.01
15) 4-Methylphenol-d8	8.686	113	25911	12.073	ng/ul	-0.01
21) Nitrobenzene-d5	9.139	128	21693	21.264	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.867	143	25822	21.257	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.419	165	43221	19.948	ng/ul	0.00
31) 4-Chloroaniline-d4	10.924	131	37310	12.651	ng/ul	-0.01
46) Dimethylphthalate-d6	14.026	166	147144	21.215	ng/ul	-0.01
49) Acenaphthylene-d8	14.320	160	179353	22.055	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.872	143	19197	19.130	ng/ul	0.02
60) Fluorene-d10	15.618	176	127046	21.604	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.753	200	19208	15.946	ng/ul	-0.01
73) Anthracene-d10	17.480	188	192104m	22.849	ng/ul	-0.01
81) Pyrene-d10	19.771	212	252108	24.725	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.659	264	245401	24.160	ng/ul	-0.01
Target Compounds						Qvalue
30) Naphthalene	10.836	128	14130	2.148	ng/ul	98
36) 2-Methylnaphthalene	12.446	142	10176	2.081	ng/ul	94
37) 1-Methylnaphthalene	12.663	142	9426	1.910	ng/ul#	88
72) Phenanthrene	17.421	178	50538	5.414	ng/ul	96
80) Fluoranthene	19.436	202	125521	9.976	ng/ul#	95
82) Pyrene	19.795	202	108891	8.734	ng/ul	99
85) Benzo(a)anthracene	21.633	228	66999	5.699	ng/ul	97
87) Chrysene	21.698	228	70919	6.381	ng/ul	98
90) Benzo(b)fluoranthene	23.854	252	112911	9.220	ng/ul	96
91) Benzo(k)fluoranthene	23.907	252	30044m	2.581	ng/ul	
93) Benzo(a)pyrene	24.723	252	72853	6.850	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.559	276	56880m	4.054	ng/ul	
95) Dibenzo(a,h)anthracene	28.583	278	16502m	1.405	ng/ul	
96) Benzo(g,h,i)perylene	29.722	276	52958	4.490	ng/ul	94

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

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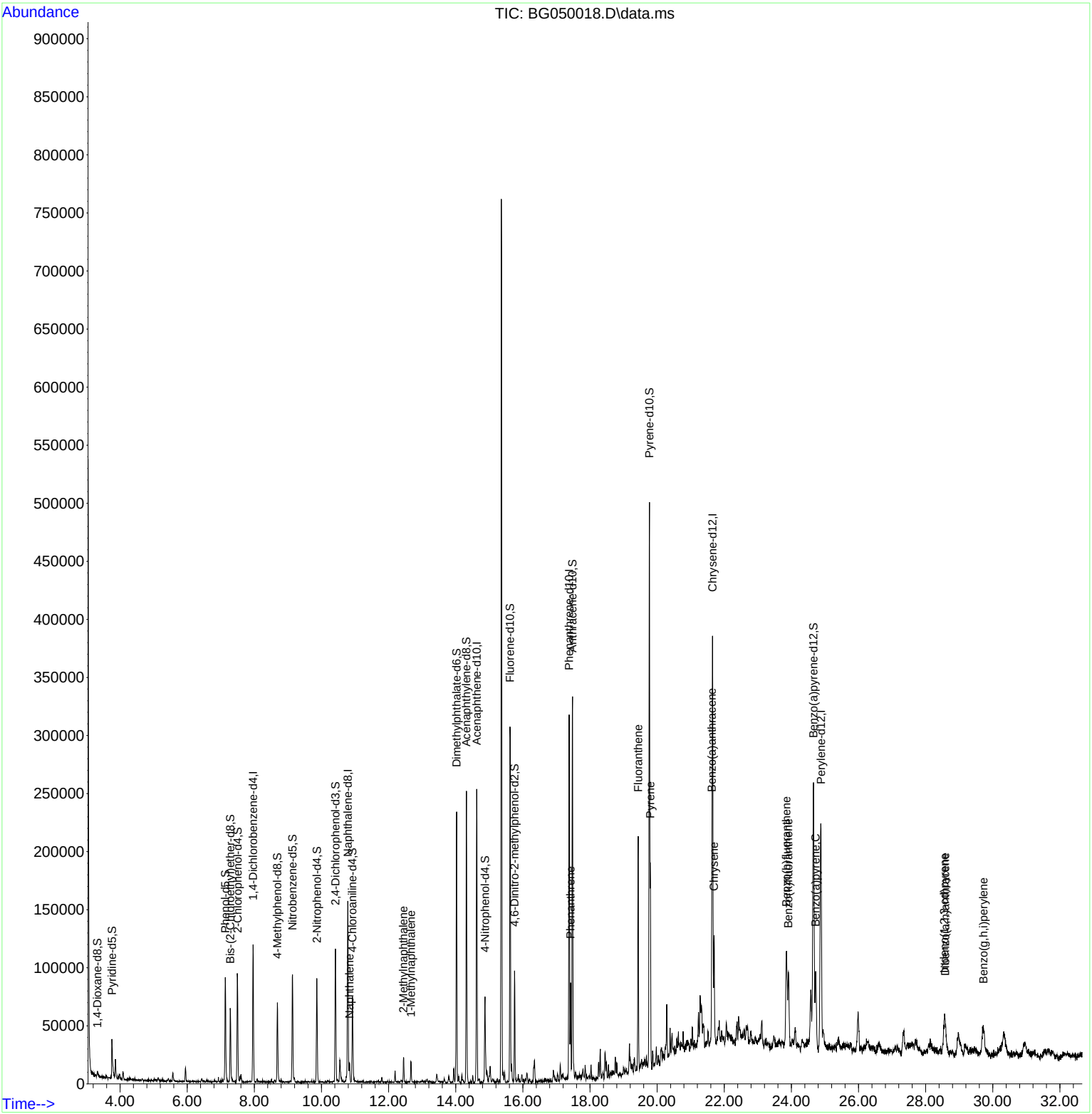
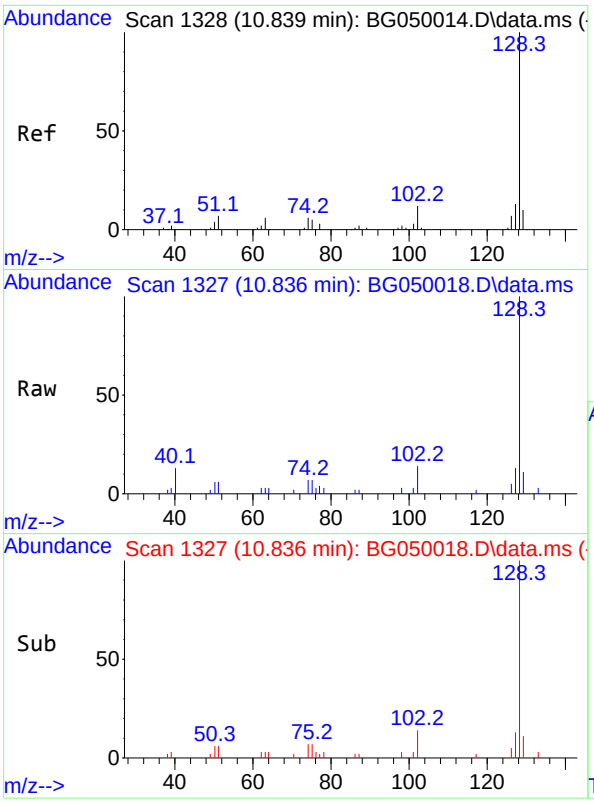
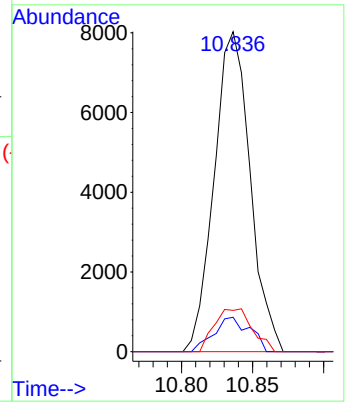




#30
Naphthalene
Concen: 2.148 ng/ul
RT: 10.836 min Scan# 1327
Delta R.T. -0.020 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:128 Resp: 14130

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.3	13.9
127	12.9	9.8	14.6



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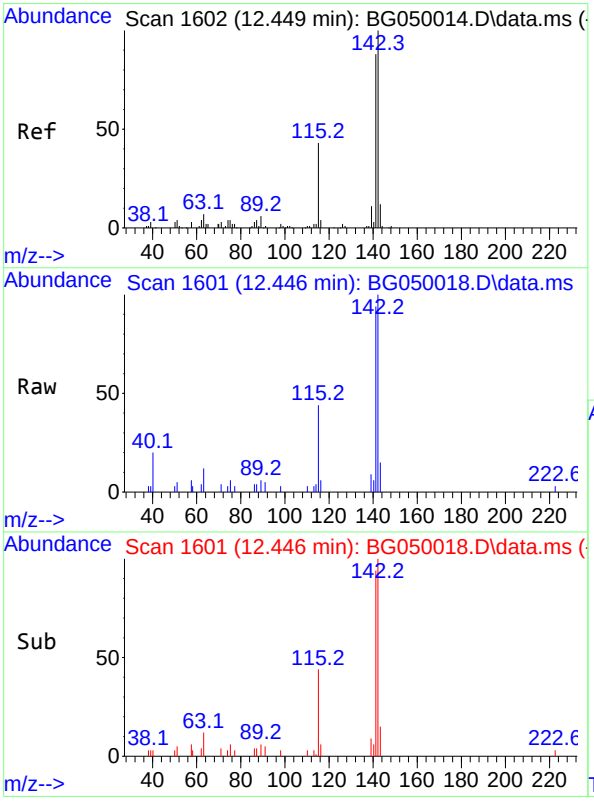
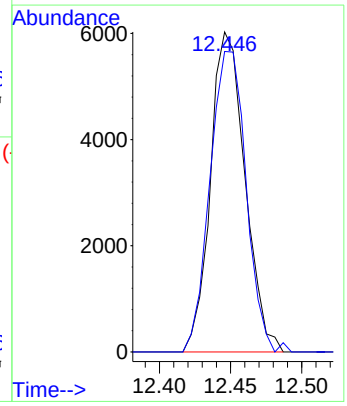
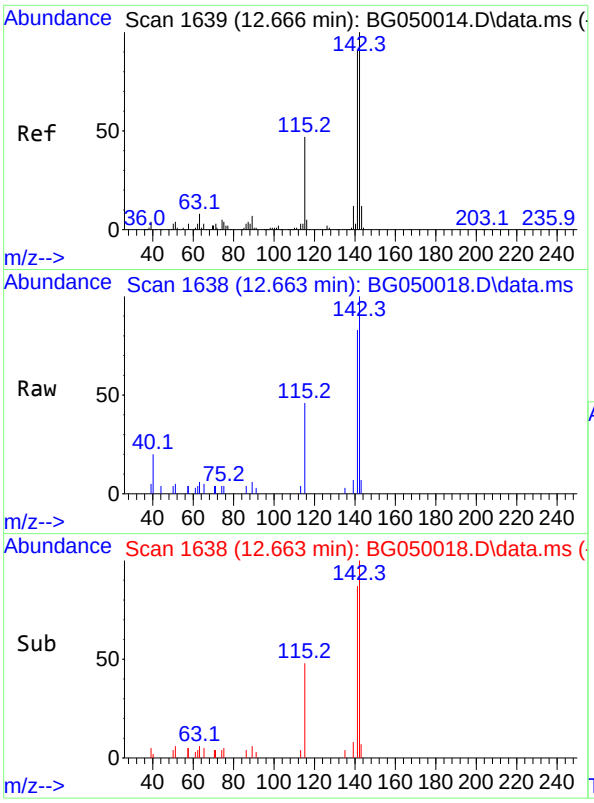


#36
2-Methylnaphthalene
Concen: 2.081 ng/ul
RT: 12.446 min Scan# 1601
Delta R.T. -0.020 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:142 Resp: 10176

Ion	Ratio	Lower	Upper
142	100		
141	93.9	70.5	105.7

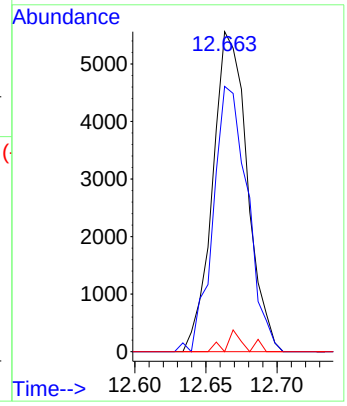




#37
1-Methylnaphthalene
Concen: 1.910 ng/ul
RT: 12.663 min Scan# 1638
Delta R.T. -0.020 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:142 Resp: 9426

Ion	Ratio	Lower	Upper
142	100		
141	82.9	75.8	113.8
116	0.0	3.7	5.5#



Instrument :
BNA_G
ClientSampleId :
C0AS4

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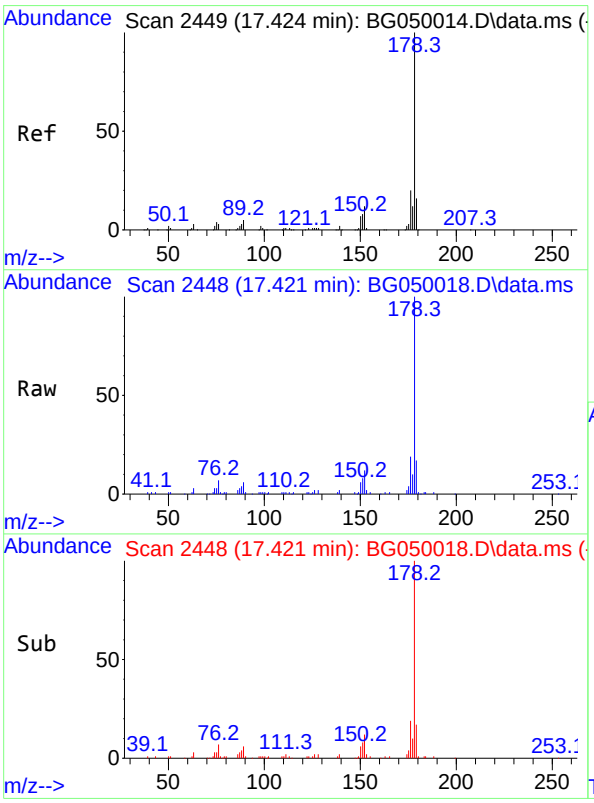
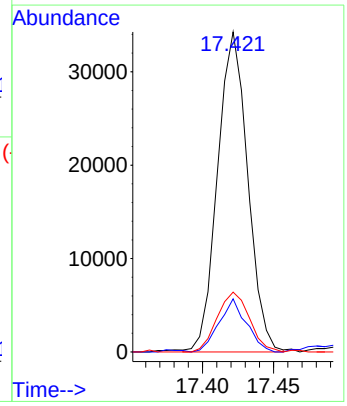
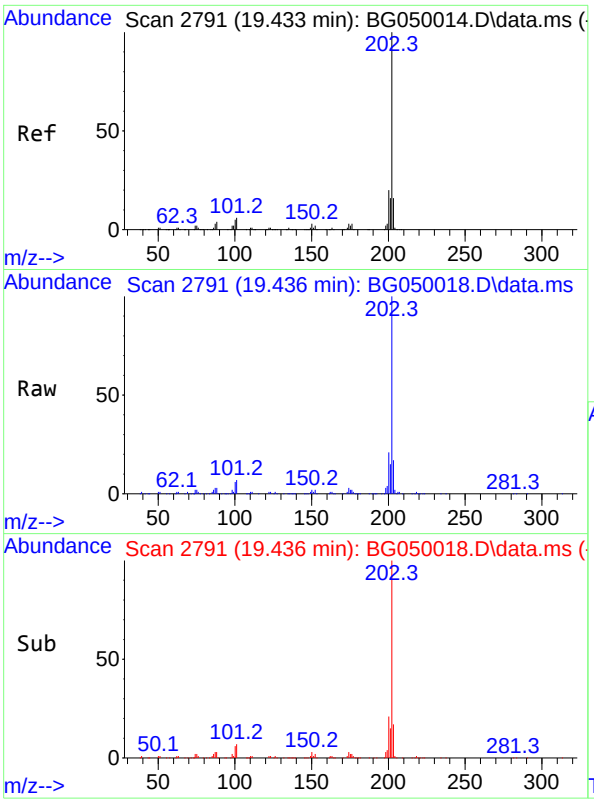


#72
Phenanthrene
Concen: 5.414 ng/ul
RT: 17.421 min Scan# 2448
Delta R.T. -0.014 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:178 Resp: 50538

Ion	Ratio	Lower	Upper
178	100		
179	16.6	11.7	17.5
176	18.7	16.2	24.2

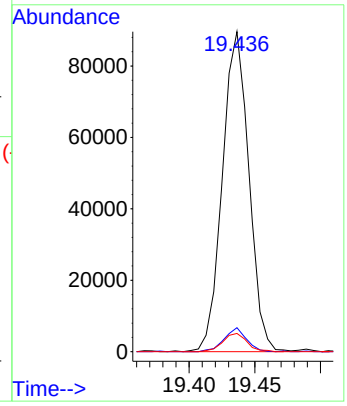




#80
Fluoranthene
Concen: 9.976 ng/ul
RT: 19.436 min Scan# 2791
Delta R.T. -0.008 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:202 Resp: 125521

Ion	Ratio	Lower	Upper
202	100		
101	7.5	4.3	6.5#
100	5.7	3.5	5.3#



Instrument :
BNA_G
ClientSampleId :
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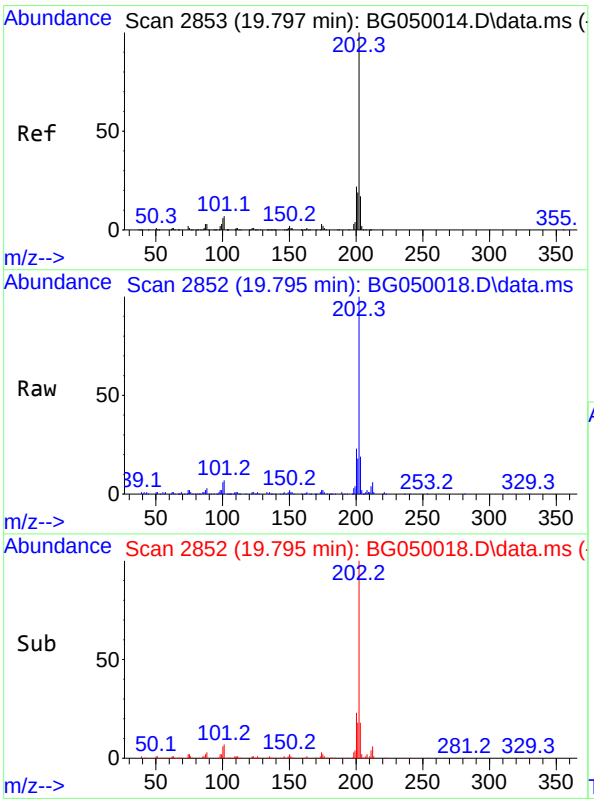
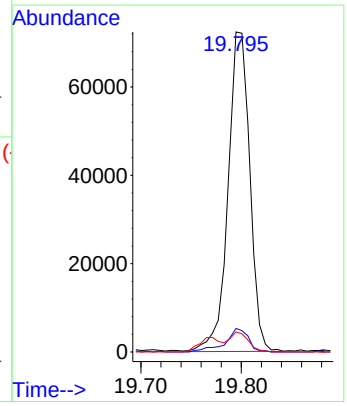
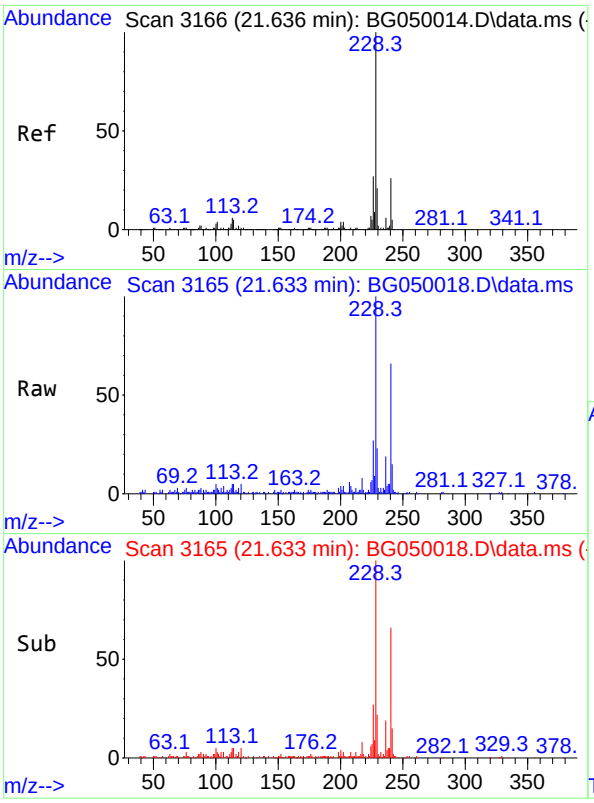


#82
Pyrene
Concen: 8.734 ng/ul
RT: 19.795 min Scan# 2852
Delta R.T. -0.014 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:202 Resp: 108891

Ion	Ratio	Lower	Upper
202	100		
101	7.3	5.4	8.0
100	6.2	5.0	7.6

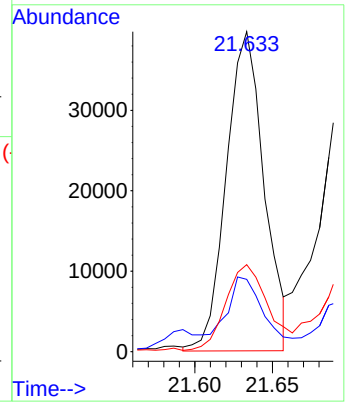




#85
Benzo(a)anthracene
Concen: 5.699 ng/ul
RT: 21.633 min Scan# 3165
Delta R.T. -0.014 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:228 Resp: 66999

Ion	Ratio	Lower	Upper
228	100		
229	22.6	16.2	24.4
226	27.2	21.0	31.4



Instrument :
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ClientSampleId :
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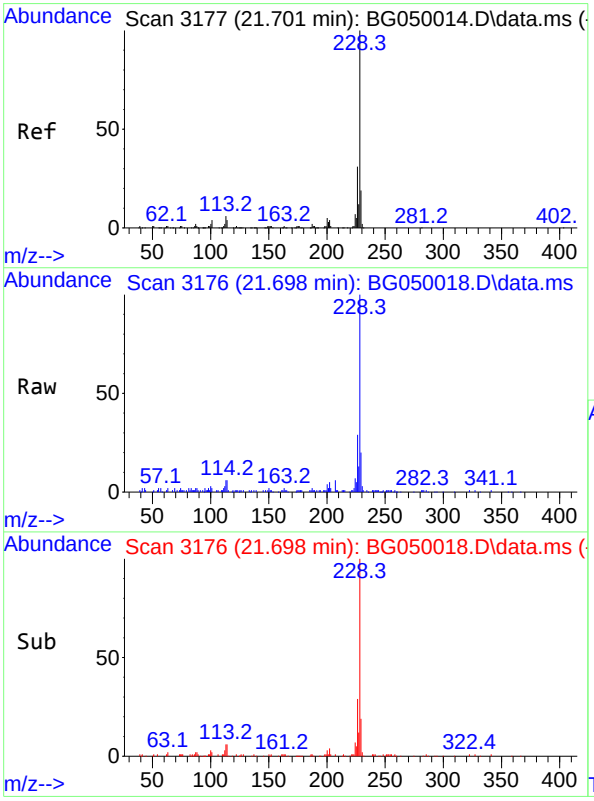
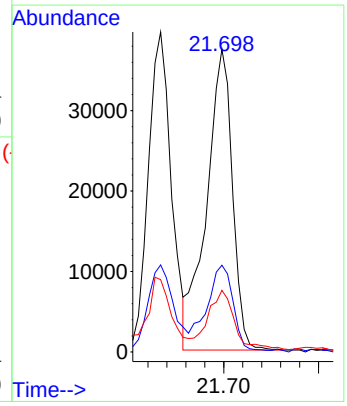
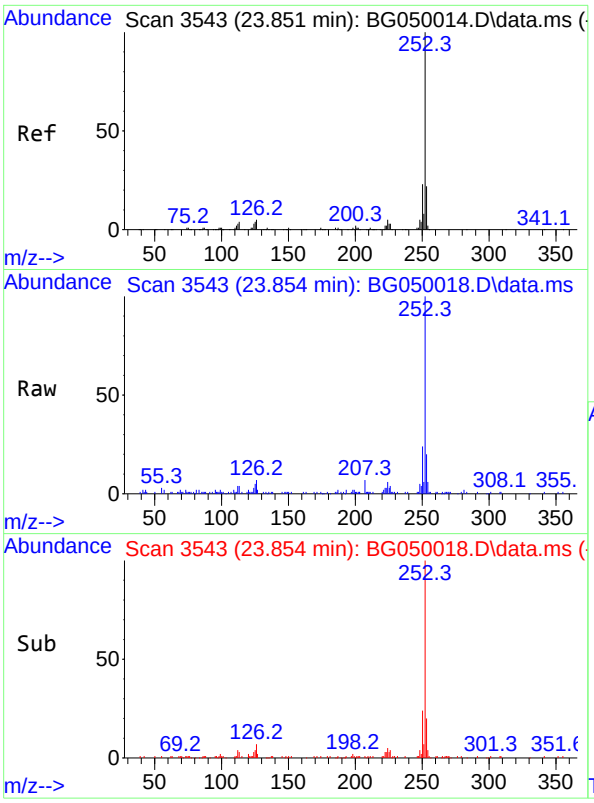


#87
Chrysene
Concen: 6.381 ng/ul
RT: 21.698 min Scan# 3176
Delta R.T. -0.014 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:228 Resp: 70919

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.0	34.4
229	20.3	17.8	26.6

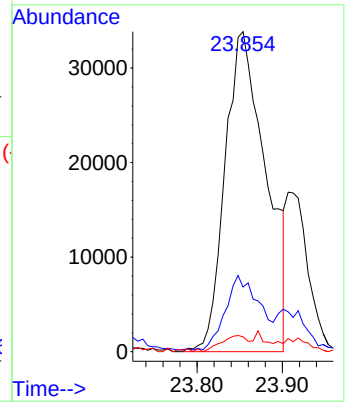




#90
Benzo(b)fluoranthene
Concen: 9.220 ng/ul
RT: 23.854 min Scan# 3543
Delta R.T. -0.008 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:252 Resp: 112911

Ion	Ratio	Lower	Upper
252	100		
253	20.2	18.1	27.1
125	4.7	3.4	5.0



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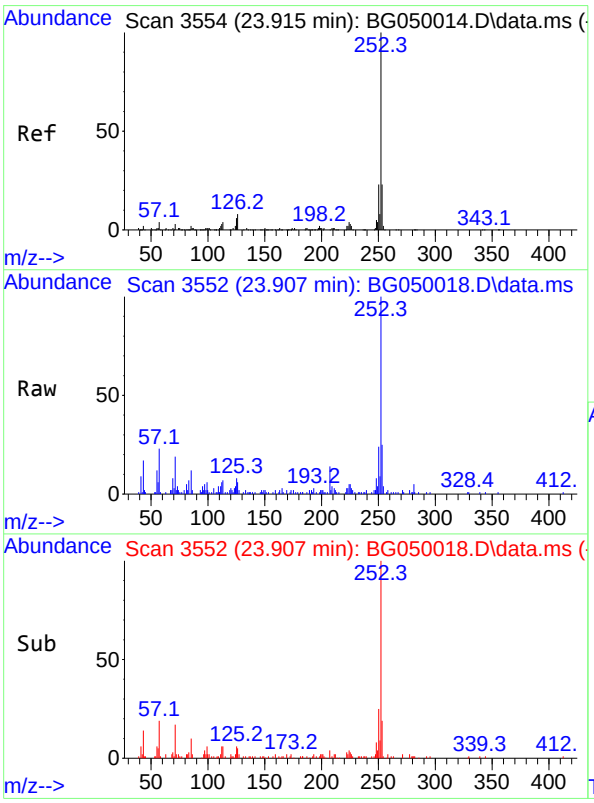
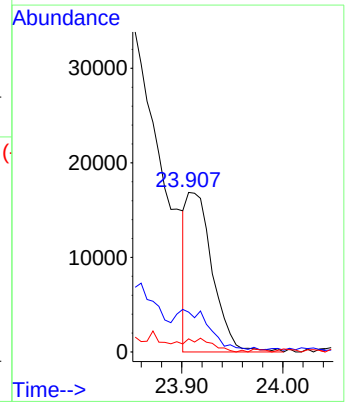
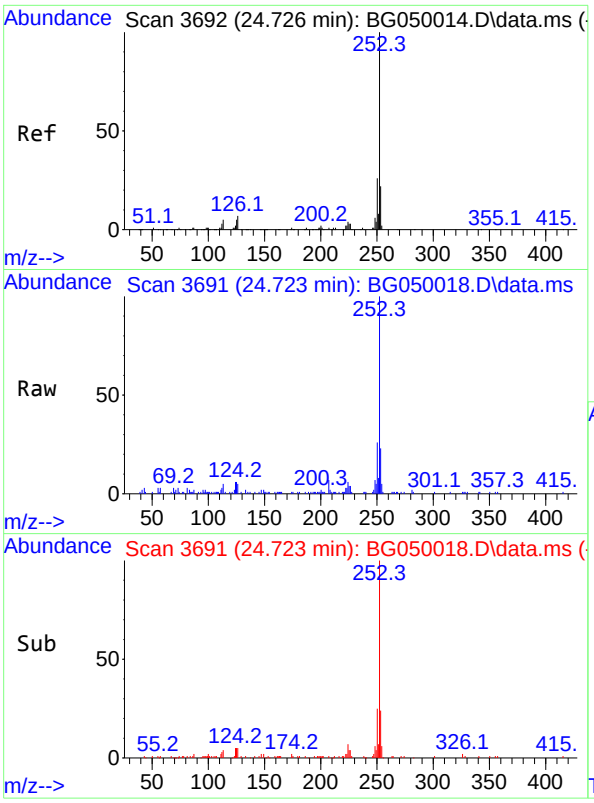


#91
Benzo(k)fluoranthene
Concen: 2.581 ng/ul m
RT: 23.907 min Scan# 3552
Delta R.T. -0.026 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:252 Resp: 30044

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.7	26.5
125	8.2	4.1	6.1#

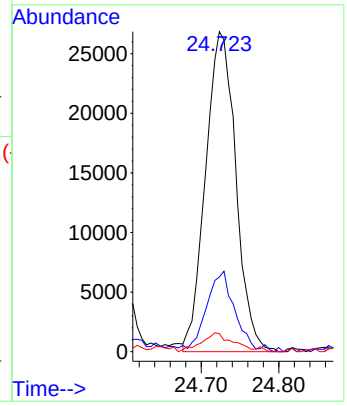


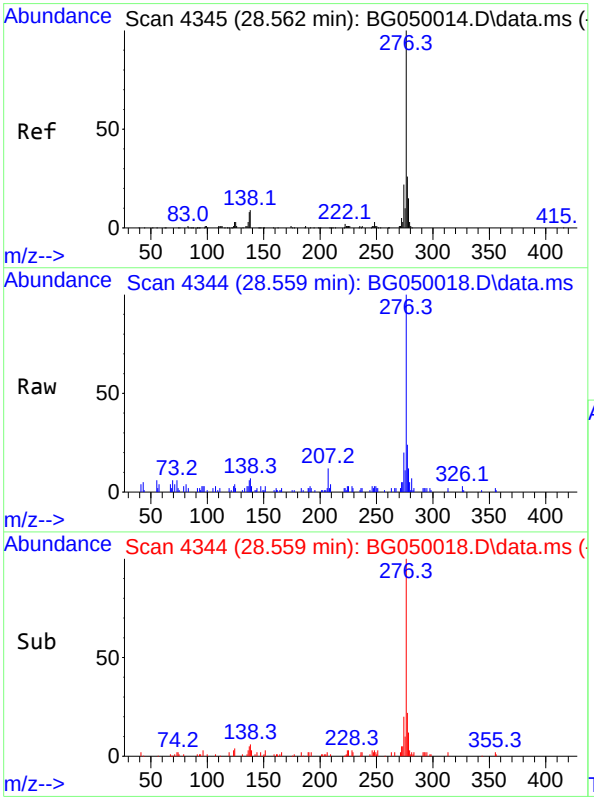


#93
Benzo(a)pyrene
Concen: 6.850 ng/ul
RT: 24.723 min Scan# 3691
Delta R.T. -0.020 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:252 Resp: 72853

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	5.7	4.4	6.6

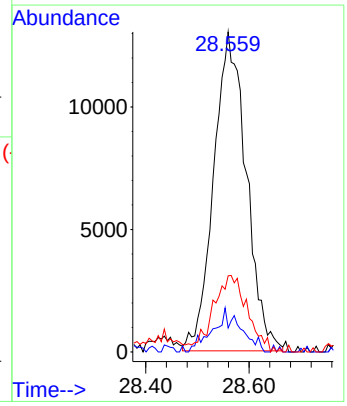




#94
Indeno(1,2,3-cd)pyrene
Concen: 4.054 ng/ul m
RT: 28.559 min Scan# 4344
Delta R.T. -0.031 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:276 Resp: 56880

Ion	Ratio	Lower	Upper
276	100		
138	7.5	5.5	8.3
277	23.8	18.6	27.8



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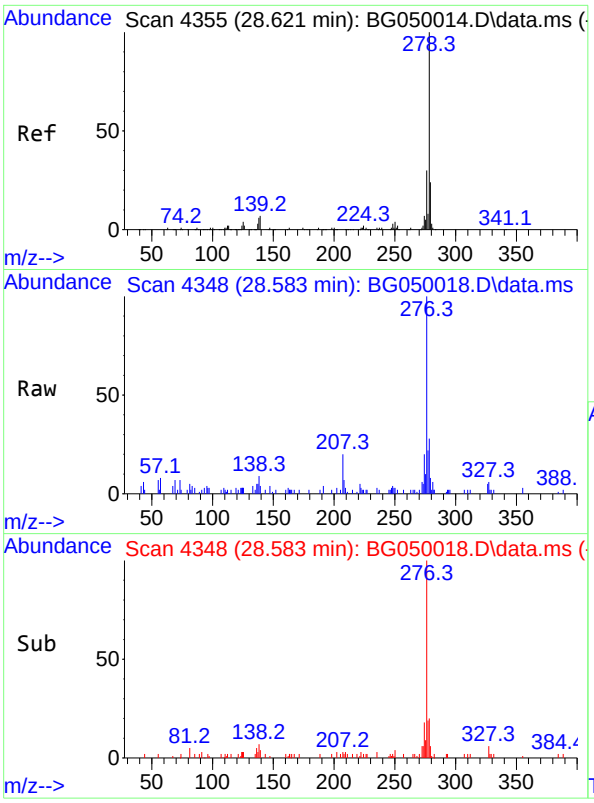
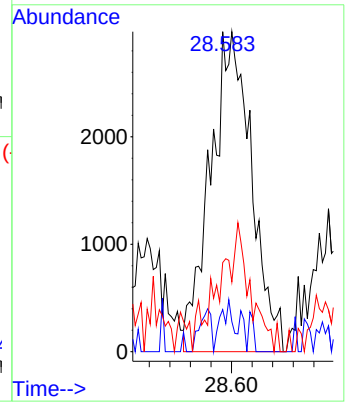
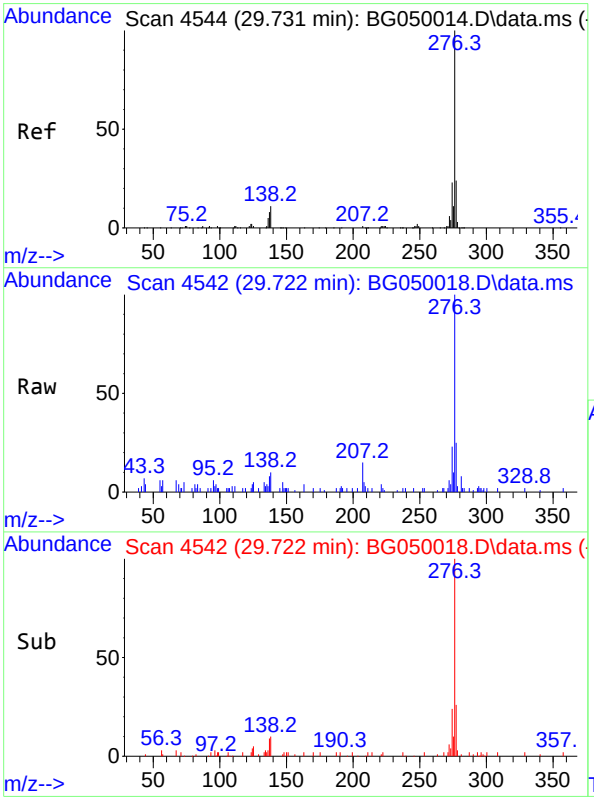


#95
Dibenzo(a,h)anthracene
Concen: 1.405 ng/ul m
RT: 28.583 min Scan# 4348
Delta R.T. -0.061 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:278 Resp: 16502

Ion	Ratio	Lower	Upper
278	100		
139	13.2	5.2	7.8#
279	27.9	19.0	28.4





#96
Benzo(g,h,i)perylene
Concen: 4.490 ng/ul
RT: 29.722 min Scan# 4542
Delta R.T. -0.014 min
Lab File: BG050018.D
Acq: 28 Aug 2021 6:00

Tgt Ion:276 Resp: 52958

Ion	Ratio	Lower	Upper
276	100		
138	9.9	8.6	13.0
277	25.4	17.4	26.0