

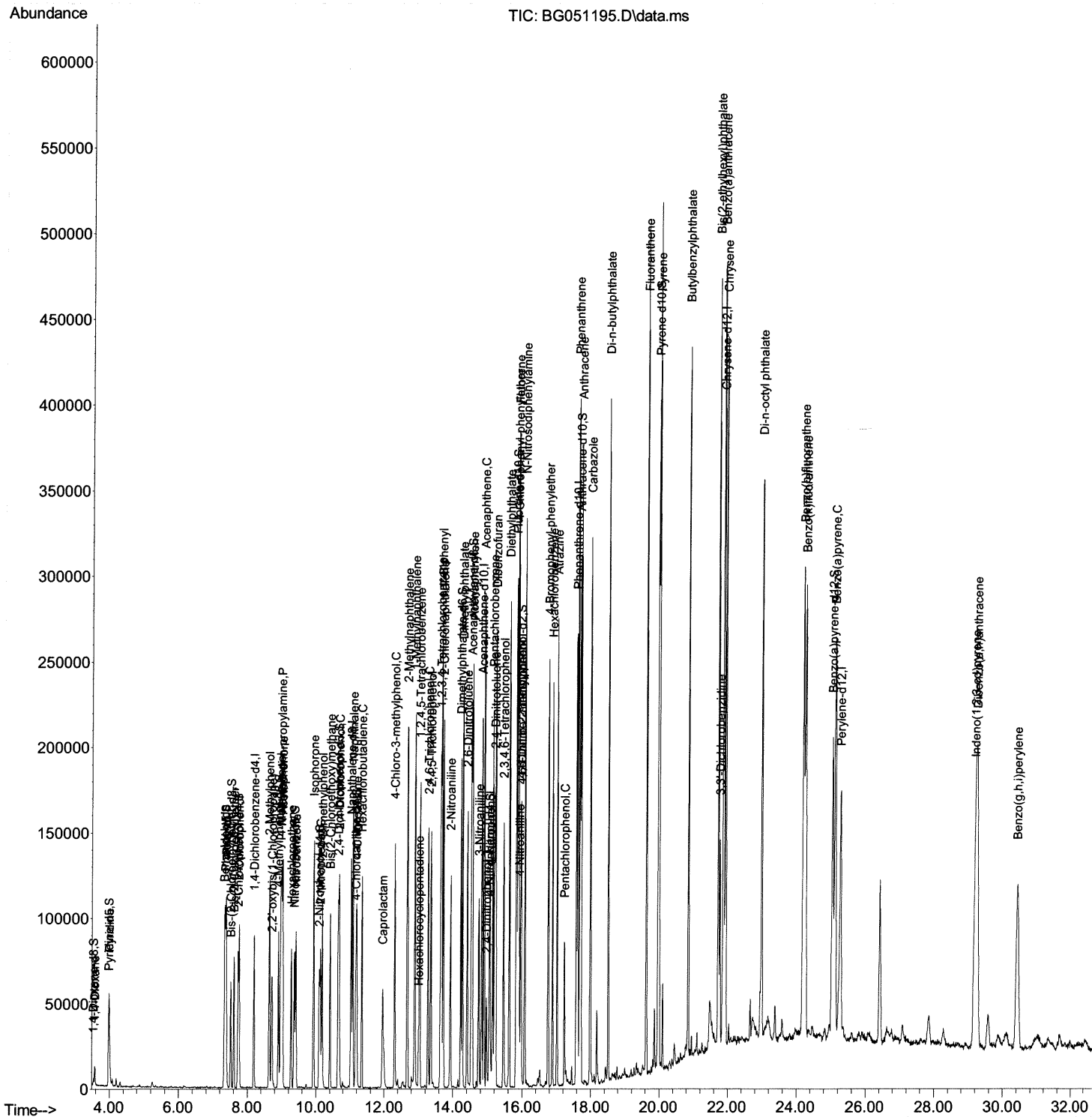
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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112321\  
Data File : BG051195.D  
Acq On    : 23 Nov 2021   23:21  
Operator  : CG/JU  
Sample    : M4780-02MS  
Misc      :  
ALS Vial  : 16   Sample Multiplier: 1
```

**Instrument :**  
BNA\_G  
**ClientSampleId :**  
DBLQ4MS

## Manual IntegrationsAPPROVED

Quant Time: Nov 24 06:56:33 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 24 06:04:50 2021  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/24/2021  
Supervised By :mohammad ahmed 11/30/2021



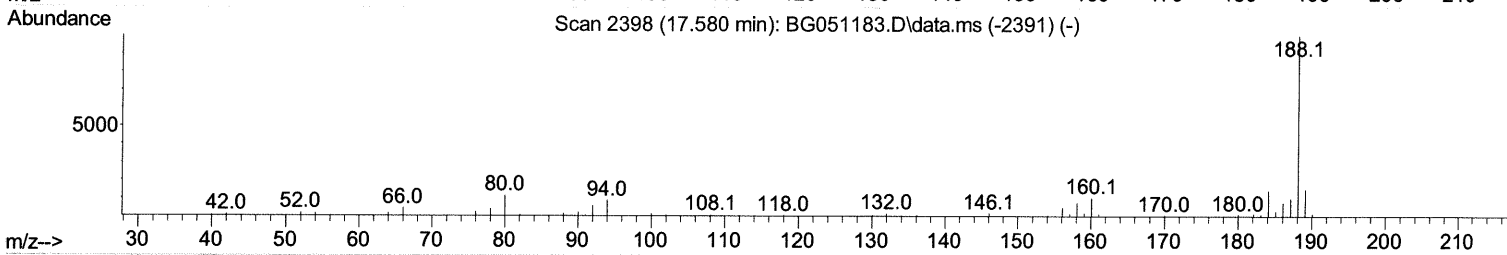
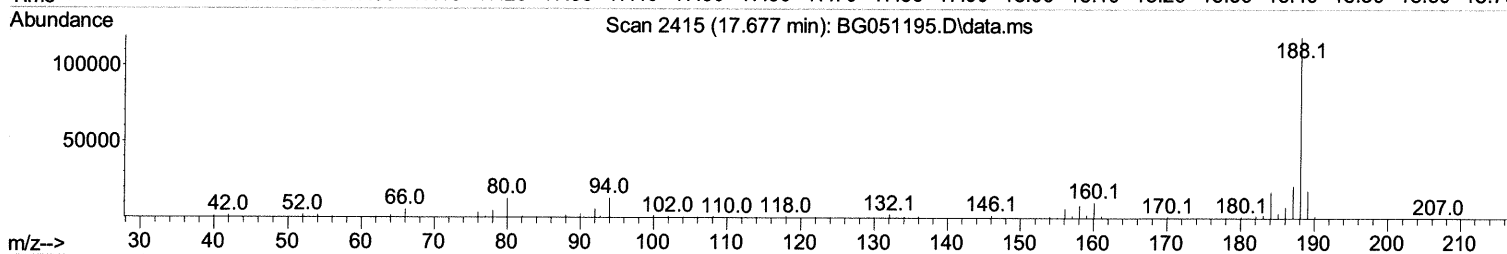
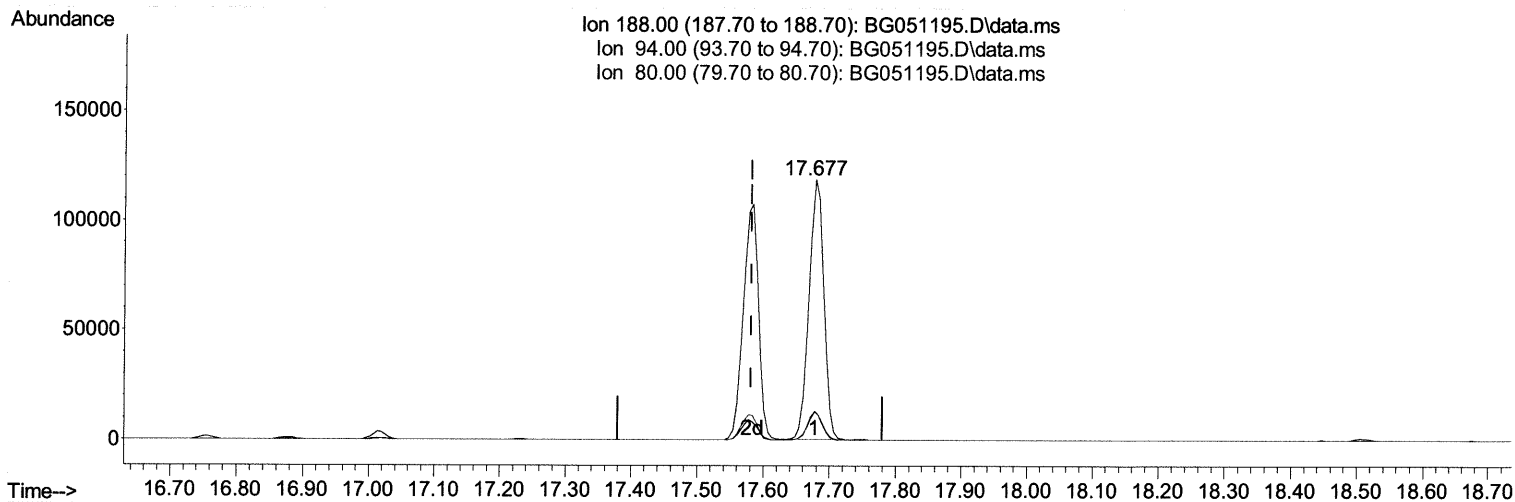
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TIC: BG051195.D\data.ms

(64) Phenanthrene-d10 (I)

17.677min (+ 0.097) 20.00 ng/ul

response 184657

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.50	10.99
80.00	11.40	10.78
0.00	0.00	0.00

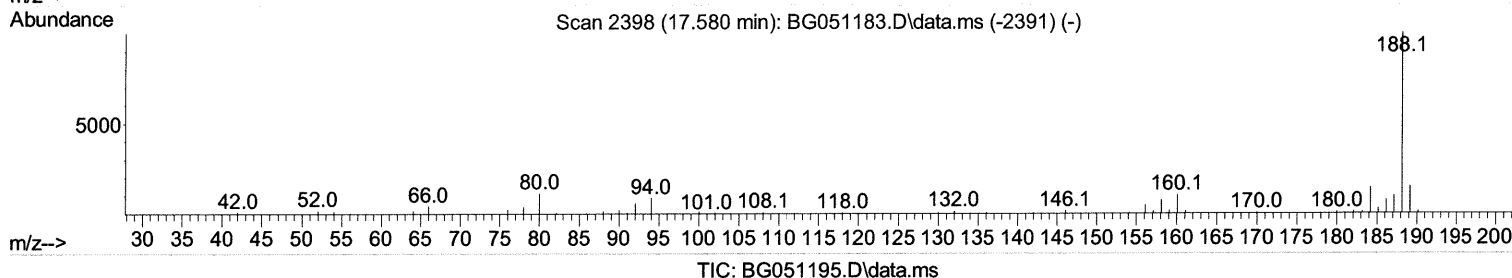
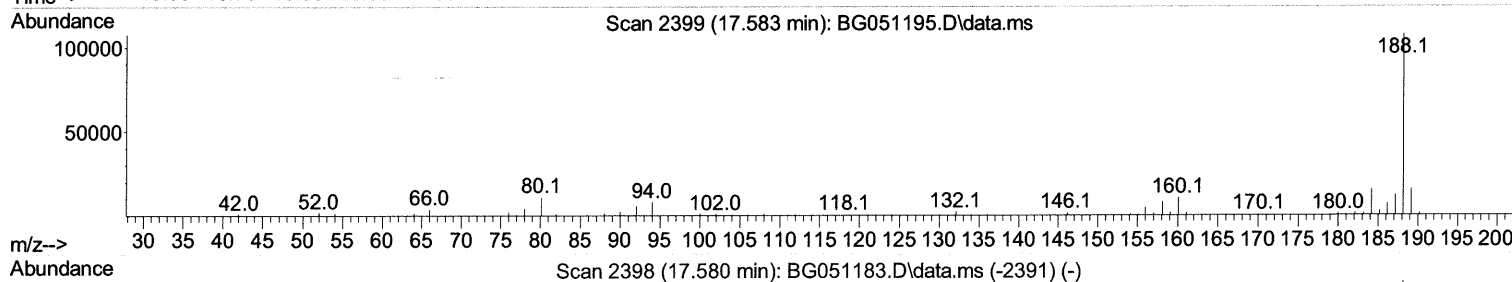
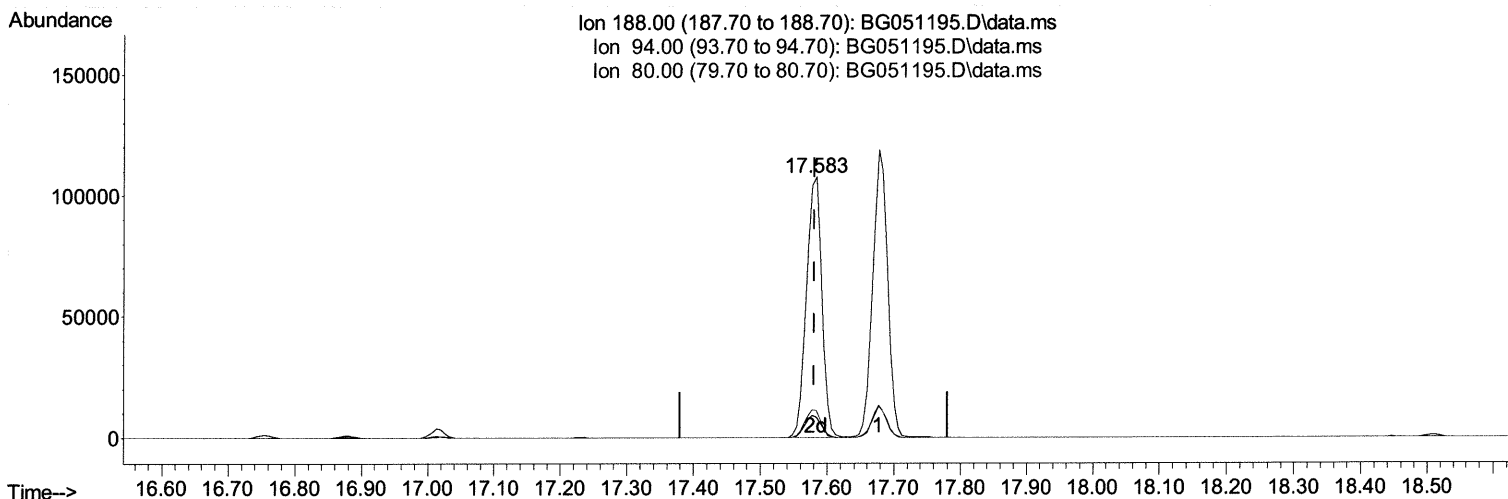
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TIC: BG051195.D\data.ms

(64) Phenanthrene-d10 (I)

17.583min (+ 0.003) 20.00 ng/ul m 11/29/21 JU

response 171712

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.50	7.58#
80.00	11.40	10.39
0.00	0.00	0.00

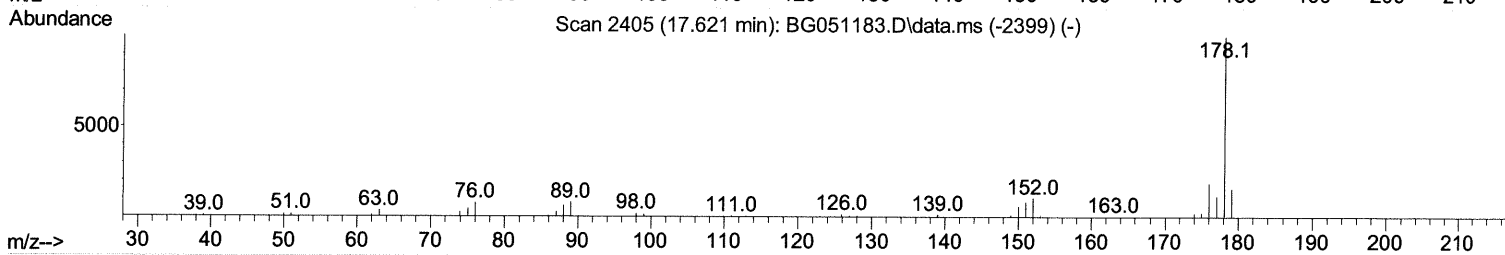
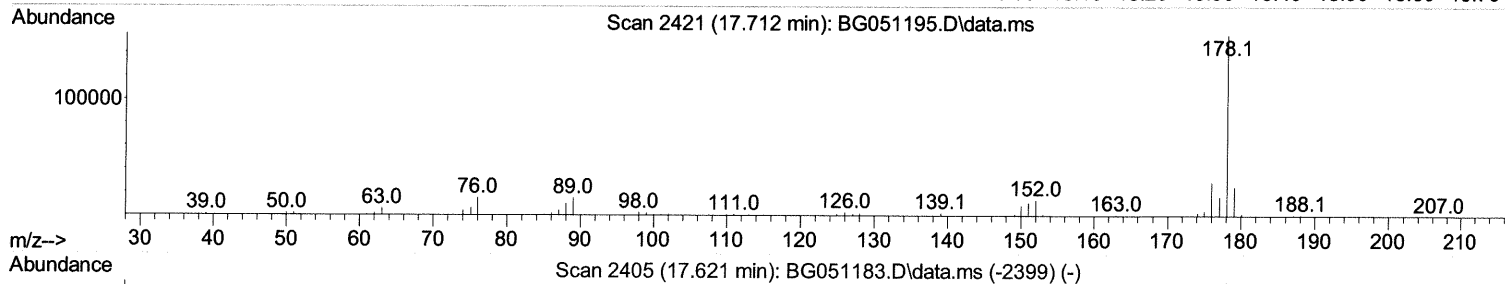
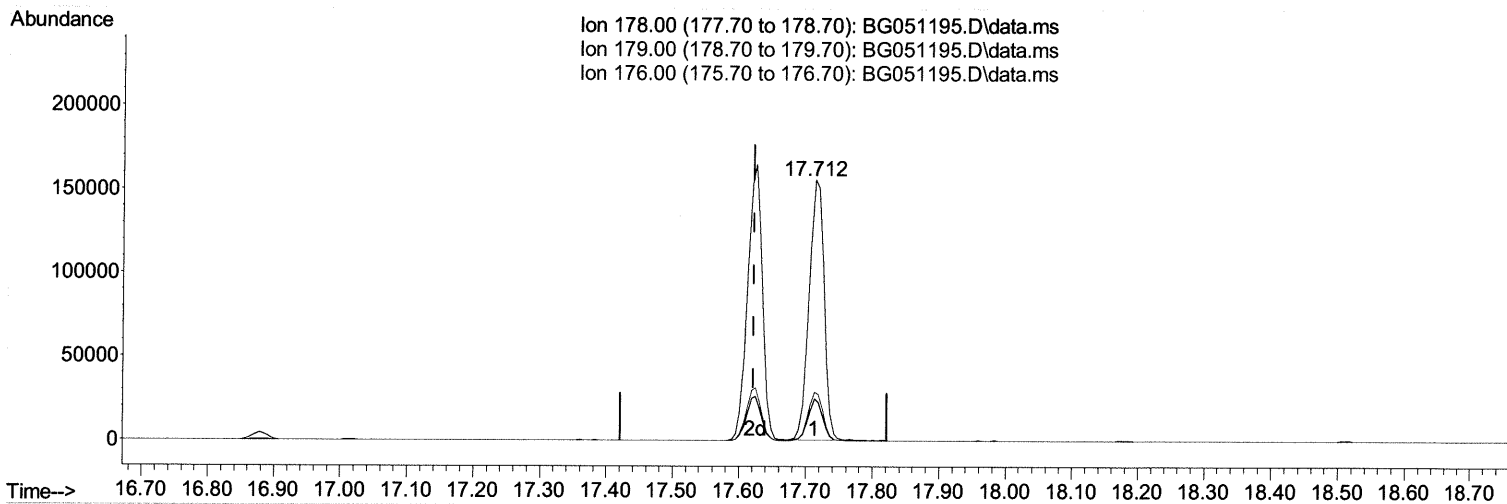
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\  
Data File : BG051195.D  
Acq On : 23 Nov 2021 23:21  
Operator : CG/JU  
Sample : M4780-02MS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DBLQ4MS

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TIC: BG051195.D\data.ms

## (72) Phenanthrene

17.712min (+ 0.091) 25.37 ng/ul

response 240540

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	16.00
176.00	19.40	18.61
0.00	0.00	0.00

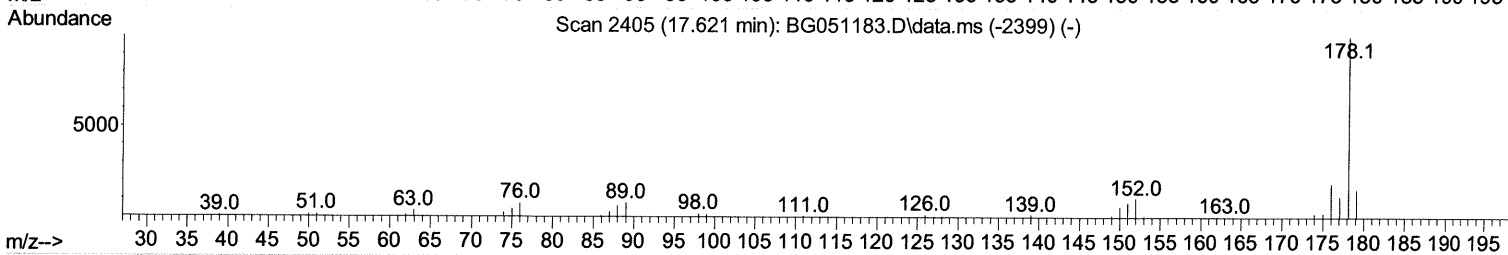
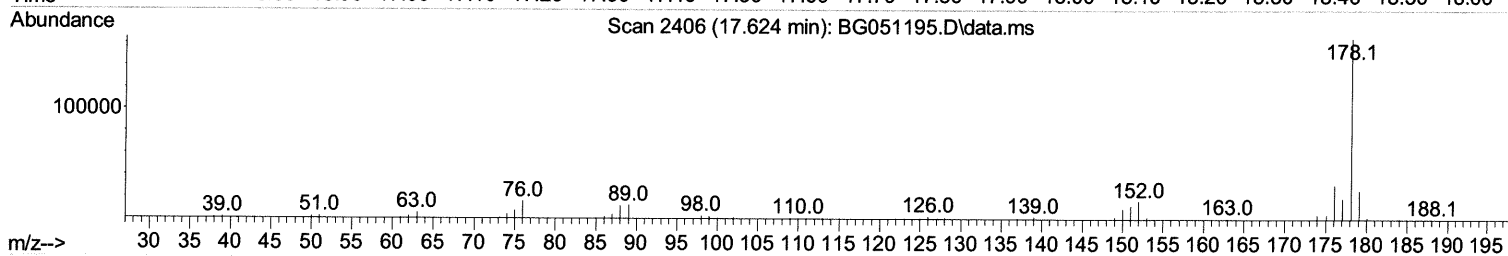
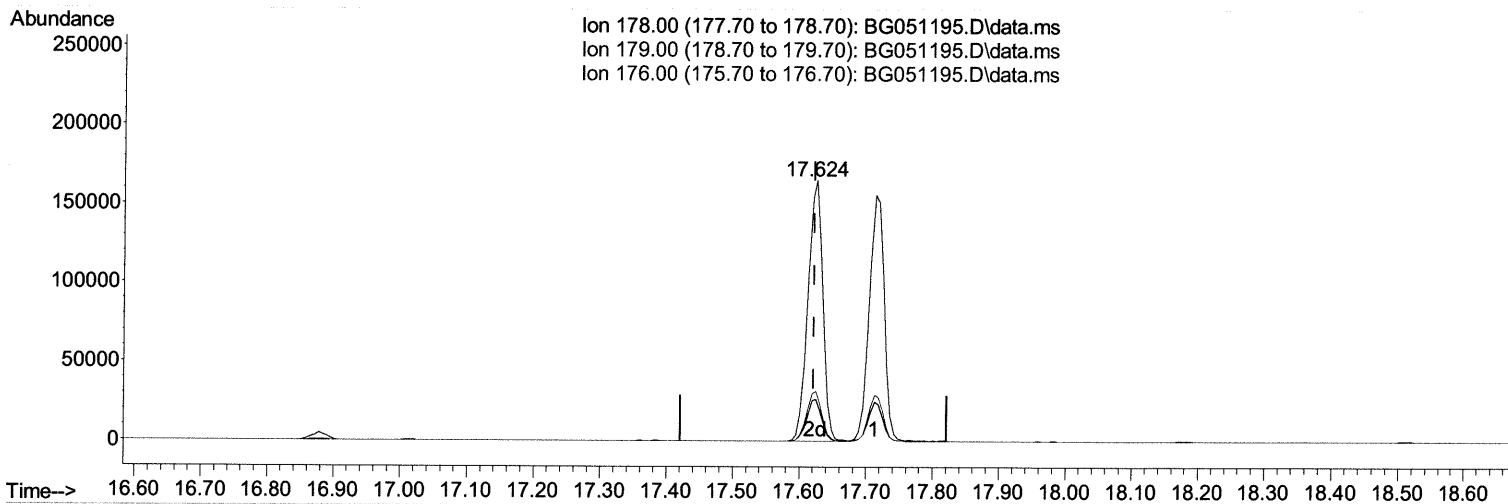
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\  
Data File : BG051195.D  
Acq On : 23 Nov 2021 23:21  
Operator : CG/JU  
Sample : M4780-02MS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DBLQ4MS

## Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 11/30/2021

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TIC: BG051195.D\data.ms

## (72) Phenanthrene

17.624min (+ 0.003) 26.81 ng/ul m 11/24/21 JU

response 254144

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	15.88
176.00	19.40	19.10
0.00	0.00	0.00

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 Operator : CG/JU  
 Sample : M4780-02MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.200	152	25707	20.000	ng/ul	0.00
20) Naphthalene-d8	11.026	136	114840	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.833	164	78411	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.583	188	171712m >	20.000	ng/ul >	0.00 (11/24/21) 14
79) Chrysene-d12	21.878	240	148980	20.000	ng/ul	0.00
88) Perylene-d12	25.280	264	150114	20.000	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.541	96	2249	3.040	ng/ul	0.00
4) Pyridine-d5	3.975	84	17913	8.252	ng/ul	0.00
7) Phenol-d5	7.354	99	49147	19.344	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.513	67	31744	19.894	ng/ul	0.00
11) 2-Chlorophenol-d4	7.730	132	36294	19.838	ng/ul	0.00
15) 4-Methylphenol-d8	8.911	113	38873	18.960	ng/ul	0.00
21) Nitrobenzene-d5	9.375	128	18931	19.528	ng/ul	0.00
24) 2-Nitrophenol-d4	10.098	143	21888	20.016	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.650	165	38582	20.795	ng/ul	0.00
31) 4-Chloroaniline-d4	11.161	131	41718	15.367	ng/ul	0.00
46) Dimethylphthalate-d6	14.222	166	129977	21.543	ng/ul	0.00
49) Acenaphthylene-d8	14.528	160	161188	21.187	ng/ul	0.00
54) 4-Nitrophenol-d4	15.039	143	19005	19.461	ng/ul	0.00
60) Fluorene-d10	15.820	176	116947	21.525	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.950	200	23306	21.996	ng/ul	0.00
73) Anthracene-d10	17.677	188	184418	22.456	ng/ul	0.00
81) Pyrene-d10	19.957	212	214516	23.797	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.045	264	185186	23.099	ng/ul	0.00

Target Compounds				Qvalue	
2) 1,4-Dioxane	3.576	88	6487	7.775	ng/ul 92
5) Pyridine	3.993	79	30734	13.606	ng/ul 98
6) Benzaldehyde	7.330	77	36290	22.429	ng/ul 95
8) Phenol	7.383	94	64445	24.485	ng/ul 99
10) Bis(2-Chloroethyl)ether	7.607	93	44471	22.333	ng/ul 96
12) 2-Chlorophenol	7.759	128	41956	22.504	ng/ul 96
13) 2-Methylphenol	8.641	108	43431	22.153	ng/ul 98
14) 2,2'-oxybis(1-Chloropr...	8.717	45	64930	22.597	ng/ul 98
16) Acetophenone	9.028	105	71680	22.603	ng/ul 96
17) N-Nitroso-di-n-propyla...	8.999	70	40926	22.457	ng/ul 96
18) 4-Methylphenol	8.976	108	46686	22.270	ng/ul 98
19) Hexachloroethane	9.287	117	17604	22.355	ng/ul 94
22) Nitrobenzene	9.416	77	58851	23.152	ng/ul 98
23) Isophorone	9.933	82	112459	22.772	ng/ul 97
25) 2-Nitrophenol	10.133	139	25888	22.855	ng/ul# 90
26) 2,4-Dimethylphenol	10.180	107	42010	18.141	ng/ul 96
27) Bis(2-Chloroethoxy)met...	10.415	93	63782	23.395	ng/ul 97
29) 2,4-Dichlorophenol	10.674	162	43278	23.696	ng/ul 97
30) Naphthalene	11.079	128	146533	23.450	ng/ul 98
32) 4-Chloroaniline	11.185	127	51323	18.831	ng/ul 95
33) Hexachlorobutadiene	11.337	225	28433	22.570	ng/ul 99
34) Caprolactam	11.948	113	16229	22.603	ng/ul 96
35) 4-Chloro-3-methylphenol	12.301	107	55661	25.370	ng/ul 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.665	142	100750	23.704	ng/ul	96
37) 1-Methylnaphthalene	12.889	142	102142	23.359	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.030	216	56688	23.029	ng/ul	99
40) Hexachlorocyclopentadiene	13.000	237	8255	8.297	ng/ul	97
41) 2,4,6-Trichlorophenol	13.276	196	38536	24.946	ng/ul	98
42) 2,4,5-Trichlorophenol	13.353	196	42100	26.025	ng/ul	99
43) 1,1'-Biphenyl	13.664	154	135662	23.164	ng/ul	96
44) 2-Chloronaphthalene	13.711	162	108163	23.217	ng/ul	99
45) 2-Nitroaniline	13.923	65	40675	25.227	ng/ul	91
47) Dimethylphthalate	14.269	163	145881	23.888	ng/ul	99
48) 2,6-Dinitrotoluene	14.404	165	31948	24.905	ng/ul	96
50) Acenaphthylene	14.557	152	177462	23.610	ng/ul	99
51) 3-Nitroaniline	14.745	138	29621	23.361	ng/ul	96
52) Acenaphthene	14.892	153	118672	23.940	ng/ul	96
53) 2,4-Dinitrophenol	14.963	184	13572	19.141	ng/ul	89
55) 4-Nitrophenol	15.063	109	21792	25.723	ng/ul	88
56) Dibenzofuran	15.227	168	173461	24.260	ng/ul	99
57) 2,4-Dinitrotoluene	15.198	165	47432	25.889	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.456	232	33462	26.342	ng/ul#	98
59) Diethylphthalate	15.621	149	161383	25.176	ng/ul	100
61) Fluorene	15.873	166	140336	24.503	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.856	204	74421	24.112	ng/ul	97
63) 4-Nitroaniline	15.909	138	29787	24.140	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.961	198	26783	26.210	ng/ul	99
67) N-Nitrosodiphenylamine	16.073	169	128817	26.205	ng/ul	97
68) 4-Bromophenyl-phenylether	16.755	248	47868	26.010	ng/ul	92
69) Hexachlorobenzene	16.878	284	49175	26.205	ng/ul	97
70) Atrazine	17.019	200	53992	26.134	ng/ul	99
71) Pentachlorophenol	17.231	266	16658	20.033	ng/ul	93
72) Phenanthrene	17.624	178	254144m >	26.806	ng/ul >	11/29/21 J4
74) Anthracene	17.712	178	240490	25.541	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.635	216	60300	24.076	ng/ul	99
76) Pentachlorobenzene	15.145	250	56115	24.046	ng/ul	97
77) Carbazole	17.988	167	220511	26.680	ng/ul	98
78) Di-n-butylphthalate	18.511	149	284415	26.688	ng/ul	99
80) Fluoranthene	19.622	202	316034	28.544	ng/ul	97
82) Pyrene	19.986	202	311774	28.787	ng/ul	97
83) Butylbenzylphthalate	20.850	149	125055	27.774	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.766	252	43617	12.575	ng/ul	99
85) Benzo(a)anthracene	21.860	228	281320	27.841	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.719	149	182436	28.158	ng/ul	100
87) Chrysene	21.931	228	270897	27.907	ng/ul	99
89) Di-n-octyl phthalate	22.988	149	298581	27.455	ng/ul	100
90) Benzo(b)fluoranthene	24.193	252	288486	28.476	ng/ul	99
91) Benzo(k)fluoranthene	24.263	252	251991	26.507	ng/ul	98
93) Benzo(a)pyrene	25.121	252	259495	26.849	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.187	276	293865	27.171	ng/ul	97
95) Dibenzo(a,h)anthracene	29.246	278	243712	26.562	ng/ul	97
96) Benzo(g,h,i)perylene	30.421	276	196329	21.576	ng/ul	94

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