

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112822\  
 Data File : BG055816.D  
 Acq On : 28 Nov 2022 22:35  
 Operator : CG/JU  
 Sample : N5772-01 2X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampleId :**  
 LOCATION-1

**Manual Integrations**  
**APPROVED**  
 Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :Jagrut Upadhyay 11/29/2022

Quant Time: Nov 29 02:16:06 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 29 02:02:15 2022  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
<b>Internal Standards</b>							
1) 1,4-Dichlorobenzene-d4	8.232	152	58610	20.000	ng	0.00	
21) Naphthalene-d8	11.058	136	234215	20.000	ng	0.00	
39) Acenaphthene-d10	14.853	164	154499	20.000	ng	0.00	
64) Phenanthrene-d10	17.597	188	316289	20.000	ng	0.00	
76) Chrysene-d12	21.892	240	293915	20.000	ng	0.00	
86) Perylene-d12	25.294	264	322487	20.000	ng	0.00	
<b>System Monitoring Compounds</b>							
5) 2-Fluorophenol	5.764	112	149723	46.174	ng	0.00	
7) Phenol-d6	7.380	99	189724	43.954	ng	0.00	
23) Nitrobenzene-d5	9.401	82	114400	25.816	ng	0.00	
42) 2,4,6-Tribromophenol	16.340	330	87206	40.085	ng	0.00	
45) 2-Fluorobiphenyl	13.479	172	276815	26.842	ng	0.00	
79) Terphenyl-d14	20.183	244	376740	25.638	ng	0.00	
<b>Target Compounds</b>							
52) Acenaphthene	14.918	154	78035	8.286	ng		98
55) Dibenzofuran	15.247	168	59489	4.094	ng		98
58) Fluorene	15.893	166	113219	9.757	ng		100
71) Phenanthrene	17.644	178	925864	54.245	ng		98
72) Anthracene	17.727	178	261111	15.745	ng		100
73) Carbazole	17.997	167	100397	6.734	ng		99
75) Fluoranthene	19.642	202	1166375	56.171	ng		98
78) Pyrene	20.000	202	1038601	52.205	ng		97
81) Benzo(a)anthracene	21.875	228	536093	26.482	ng		98
83) Chrysene	21.939	228	510545m	26.492	ng		
87) Indeno(1,2,3-cd)pyrene	29.213	276	185486	7.021	ng		93
88) Benzo(b)fluoranthene	24.213	252	547135	26.051	ng		97
89) Benzo(k)fluoranthene	24.272	252	209565m	10.010	ng		
90) Benzo(a)pyrene	25.136	252	424908	23.577	ng		96
91) Dibenzo(a,h)anthracene	29.254	278	52252	2.420	ng	#	79
92) Benzo(g,h,i)perylene	30.441	276	166951	7.673	ng		95

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

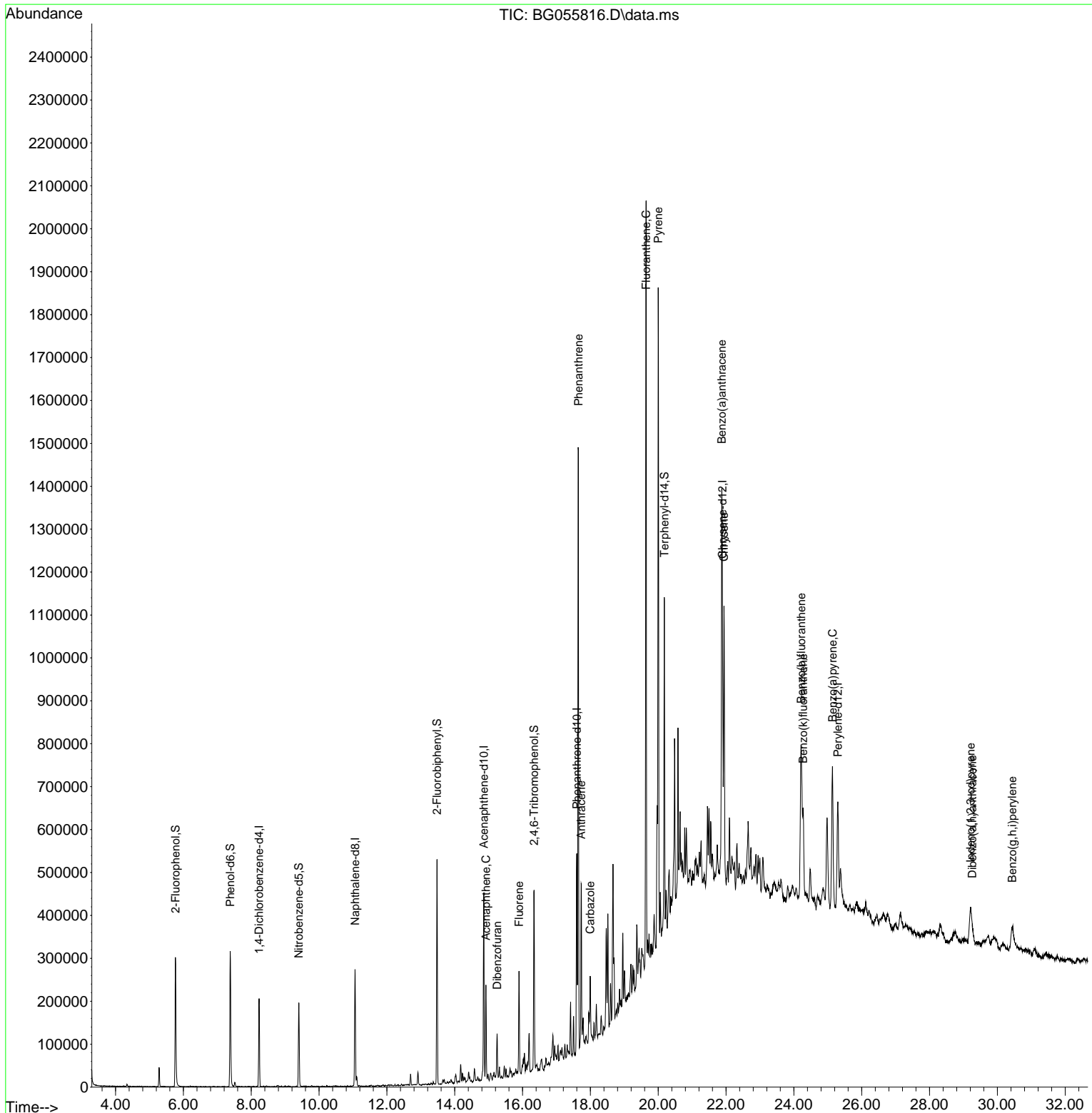
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112822\  
 Data File : BG055816.D  
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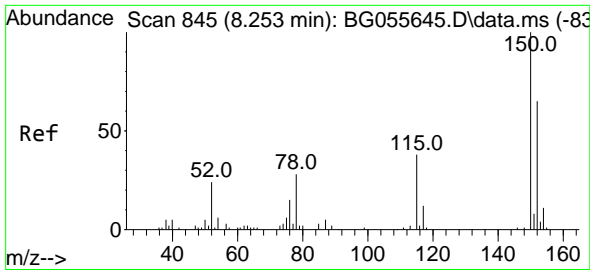
**Instrument :**  
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Quant Time: Nov 29 02:16:06 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG11622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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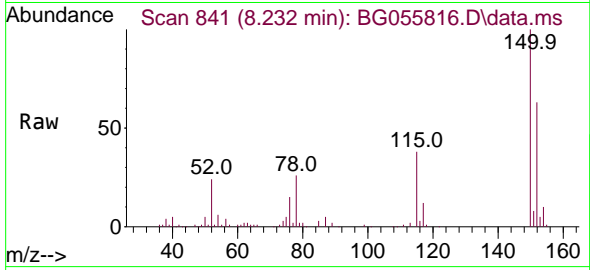
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.232 min Scan# 841  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

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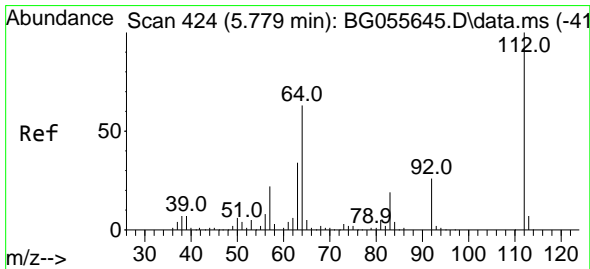
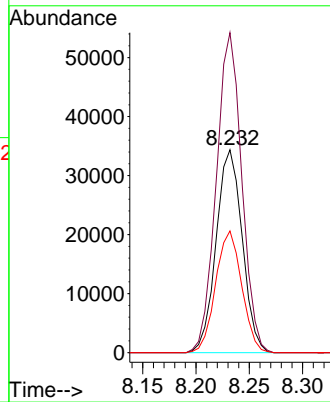
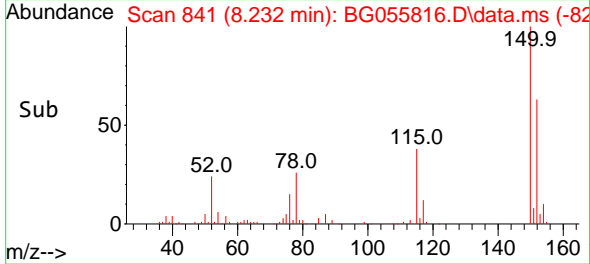


Tgt Ion:152 Resp: 58610  
 Ion Ratio Lower Upper  
 152 100  
 150 157.8 123.0 184.6  
 115 60.0 47.0 70.4

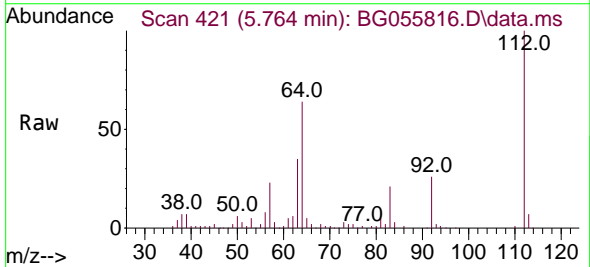
Manual Integrations

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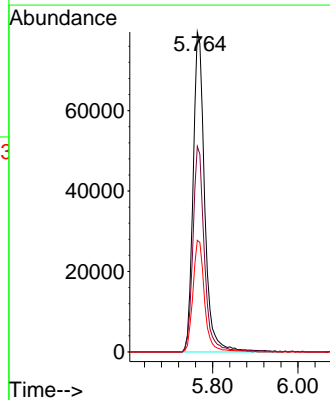
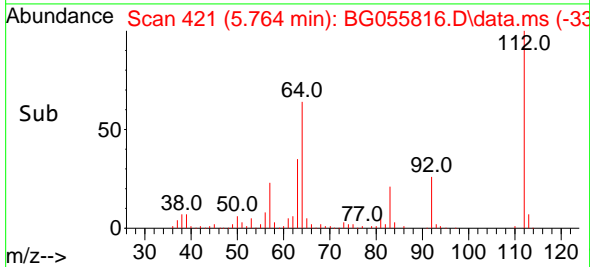
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 Supervised By :Jagrut Upadhyay 11/29/2022

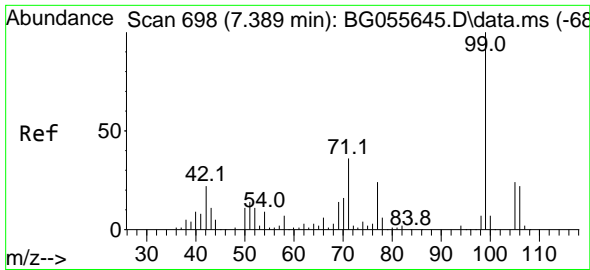


#5  
 2-Fluorophenol  
 Concen: 46.174 ng  
 RT: 5.764 min Scan# 421  
 Delta R.T. 0.006 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:112 Resp: 149723  
 Ion Ratio Lower Upper  
 112 100  
 64 64.2 50.6 76.0  
 63 34.9 27.5 41.3





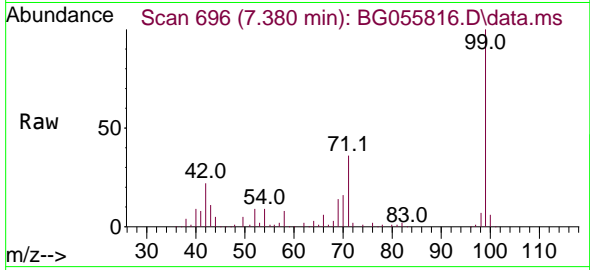
#7  
 Phenol-d6  
 Concen: 43.954 ng  
 RT: 7.380 min Scan# 69  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

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BNA\_G

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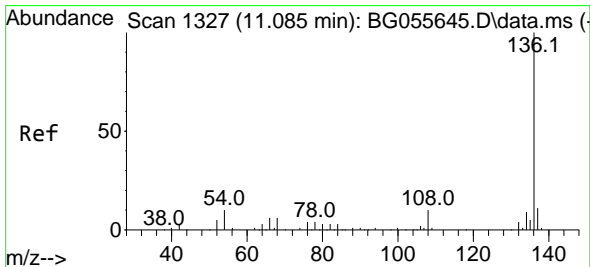
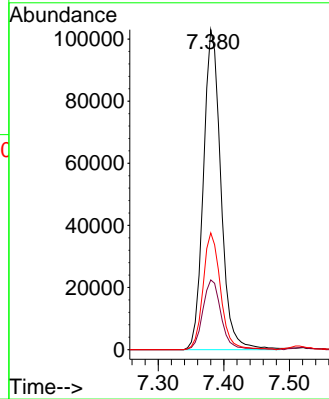
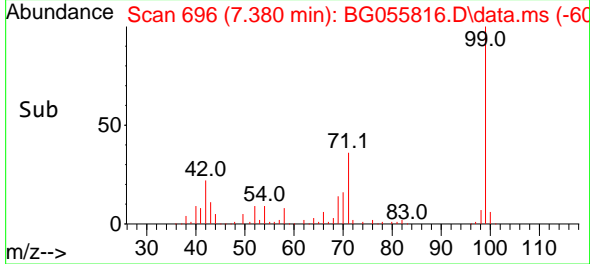


Tgt Ion: 99 Resp: 189724  
 Ion Ratio Lower Upper  
 99 100  
 42 21.8 18.0 27.0  
 71 36.5 29.0 43.6

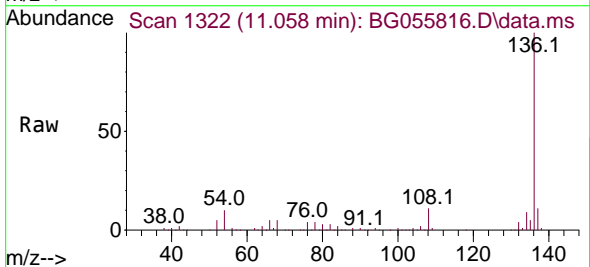
Manual Integrations

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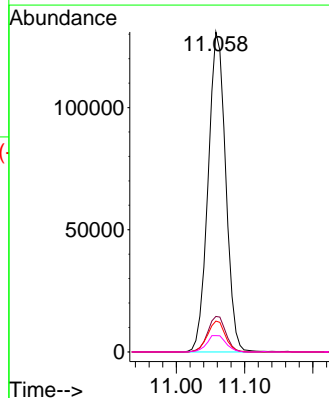
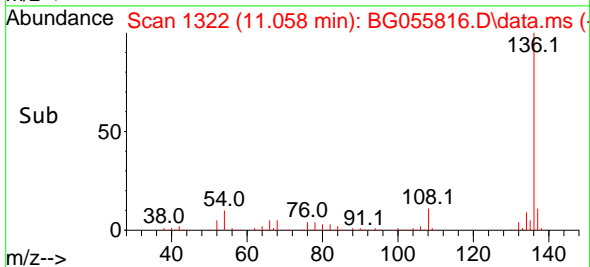
Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :Jagrut Upadhyay 11/29/2022

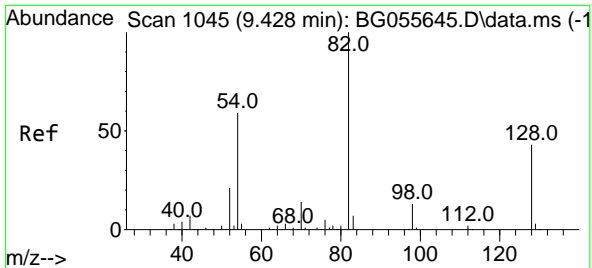


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 11.058 min Scan# 1322  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



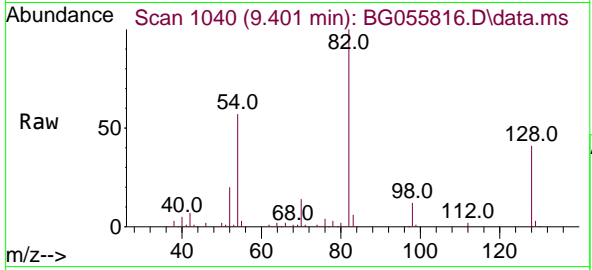
Tgt Ion:136 Resp: 234215  
 Ion Ratio Lower Upper  
 136 100  
 137 11.1 9.0 13.6  
 54 9.6 7.8 11.6  
 68 5.1 5.0 7.4





#23  
 Nitrobenzene-d5  
 Concen: 25.816 ng  
 RT: 9.401 min Scan# 1040  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

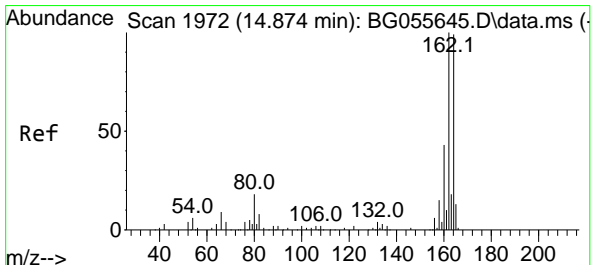
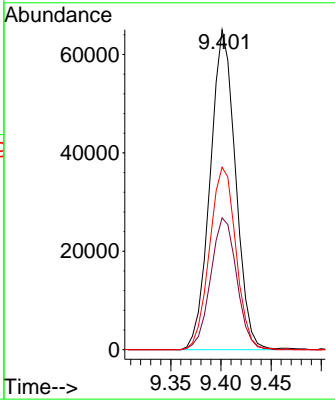
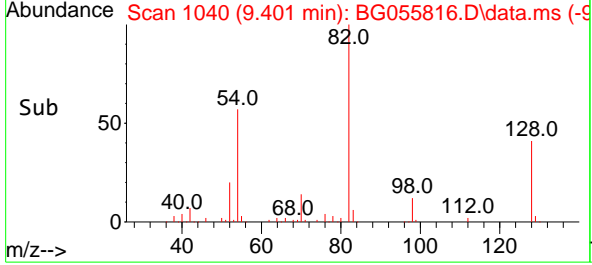
Instrument : BNA\_G  
 ClientSampleId : LOCATION-1



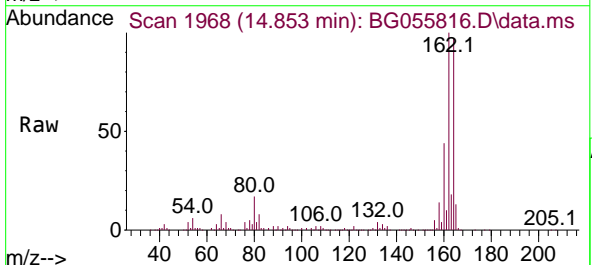
Tgt Ion: 82 Resp: 114400

Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.1	51.1
54	57.0	47.3	70.9

Manual Integrations  
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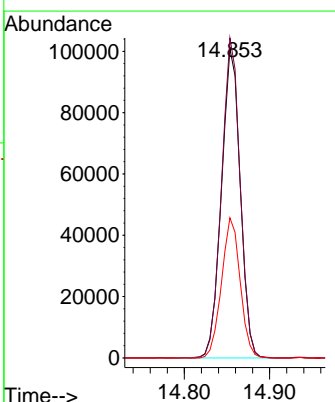
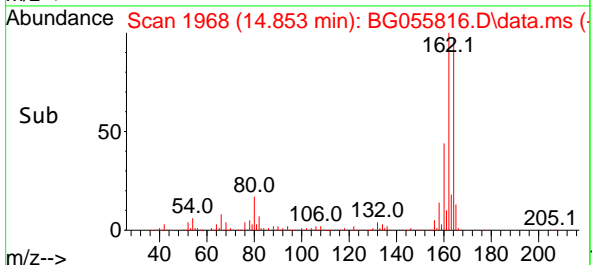


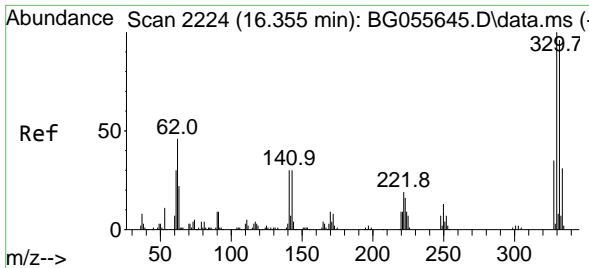
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.853 min Scan# 1968  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:164 Resp: 154499

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.1	121.7
160	45.3	34.8	52.2





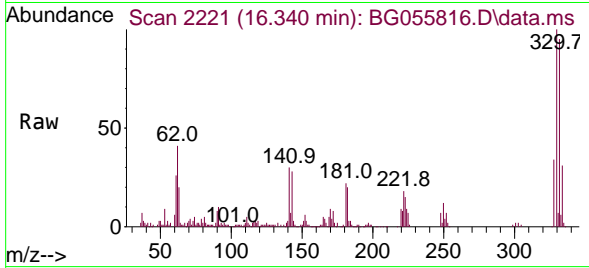
#42  
 2,4,6-Tribromophenol  
 Concen: 40.085 ng  
 RT: 16.340 min Scan# 21  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

ClientSampleId :

LOCATION-1

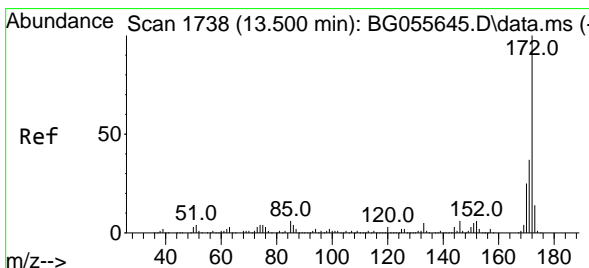
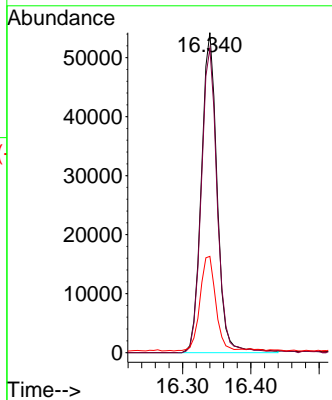
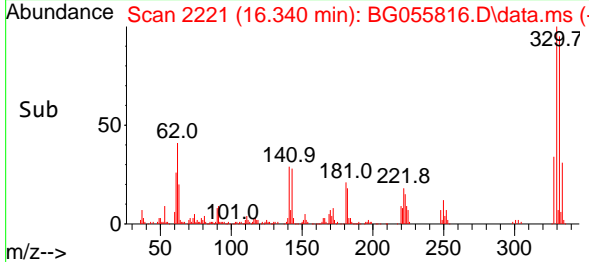


Tgt Ion:330 Resp: 87206  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.8 116.8  
 141 29.4 23.9 35.9

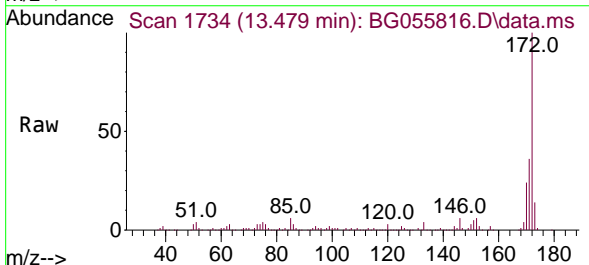
Manual Integrations

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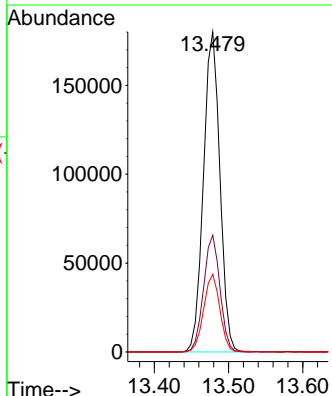
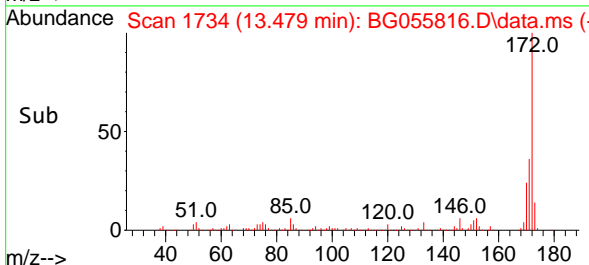
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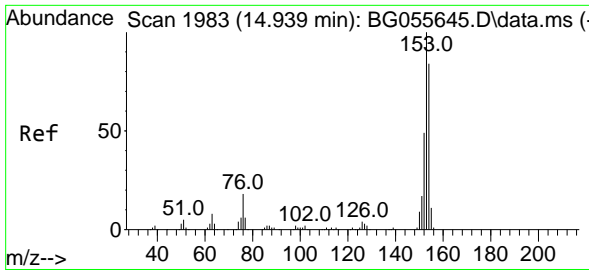


#45  
 2-Fluorobiphenyl  
 Concen: 26.842 ng  
 RT: 13.479 min Scan# 1734  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:172 Resp: 276815  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.8 44.6  
 170 24.2 20.2 30.4





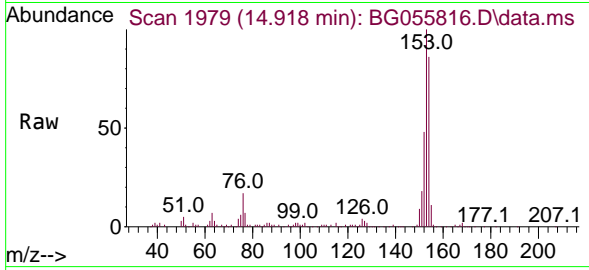
#52  
 Acenaphthene  
 Concen: 8.286 ng  
 RT: 14.918 min Scan# 1983  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

ClientSampleId :

LOCATION-1

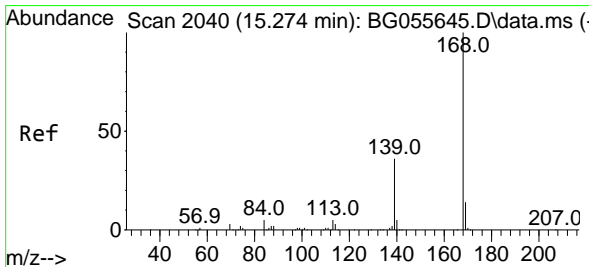
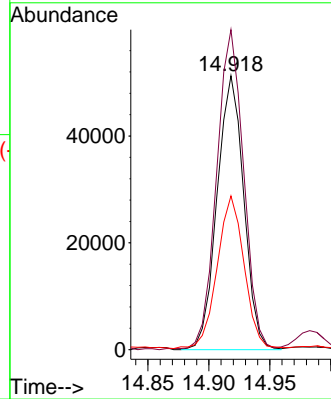
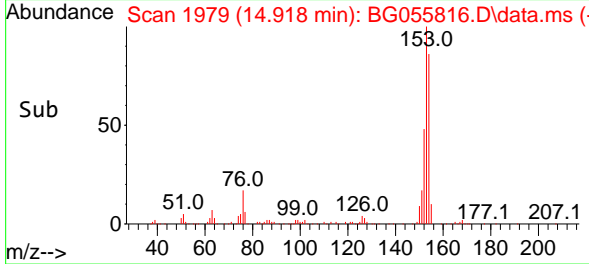


Tgt Ion:154 Resp: 78035  
 Ion Ratio Lower Upper  
 154 100  
 153 116.8 95.0 142.4  
 152 56.1 46.1 69.1

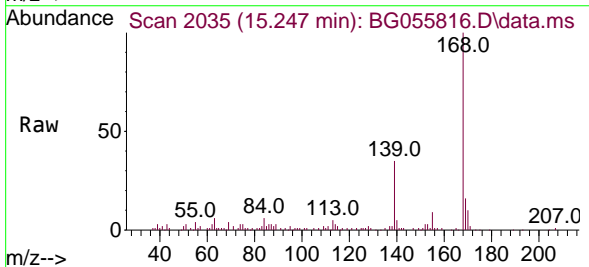
Manual Integrations

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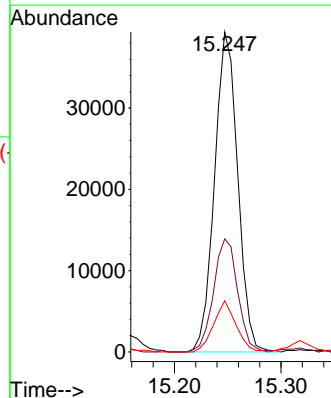
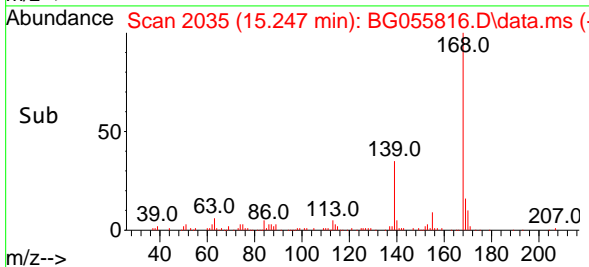
Reviewed By :Christian Giraldo 11/29/2022  
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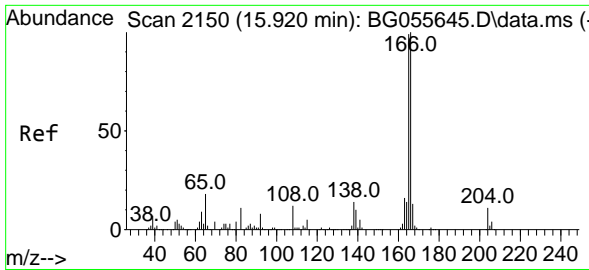


#55  
 Dibenzofuran  
 Concen: 4.094 ng  
 RT: 15.247 min Scan# 2035  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



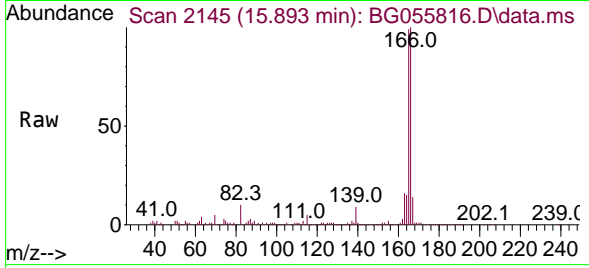
Tgt Ion:168 Resp: 59489  
 Ion Ratio Lower Upper  
 168 100  
 139 35.3 28.8 43.2  
 169 16.0 11.0 16.4





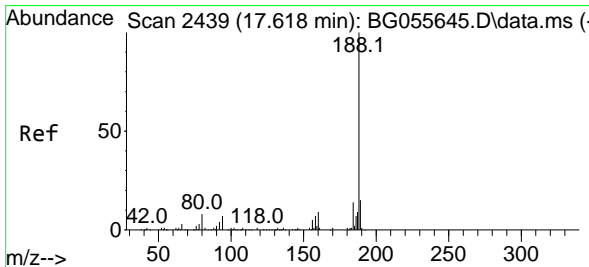
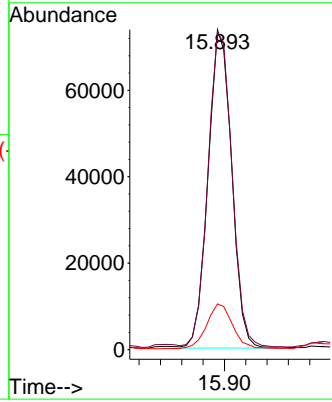
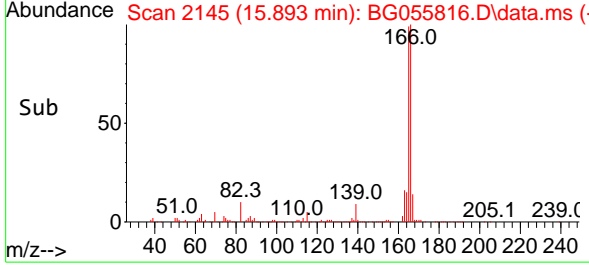
#58  
 Fluorene  
 Concen: 9.757 ng  
 RT: 15.893 min Scan# 2150  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

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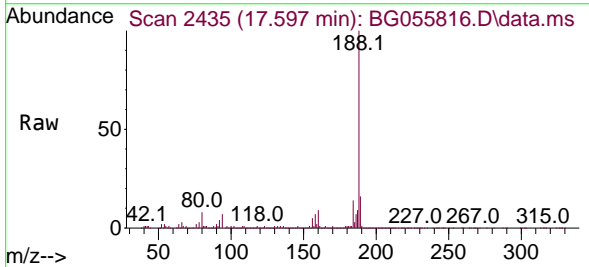


Tgt Ion:166 Resp: 113219  
 Ion Ratio Lower Upper  
 166 100  
 165 99.3 79.3 118.9  
 167 14.3 10.6 15.8

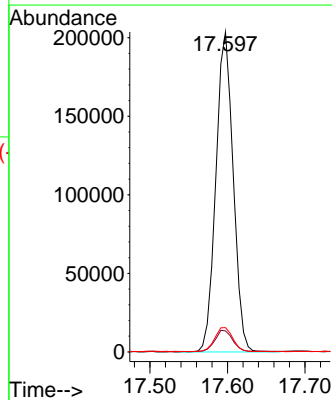
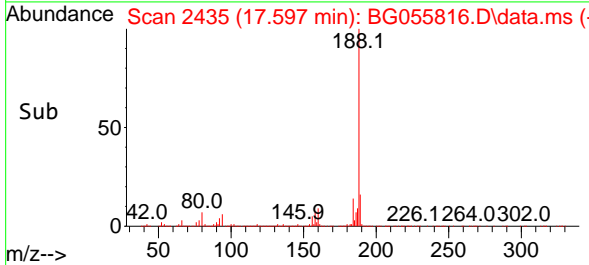
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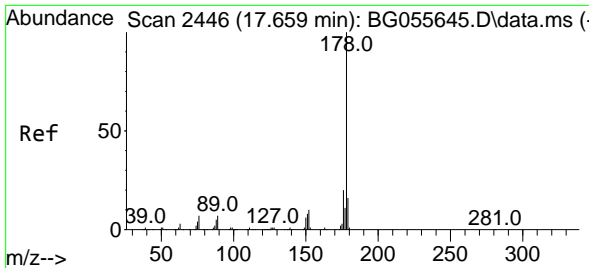
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.597 min Scan# 2435  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:188 Resp: 316289  
 Ion Ratio Lower Upper  
 188 100  
 94 6.6 5.4 8.2  
 80 7.6 6.6 10.0







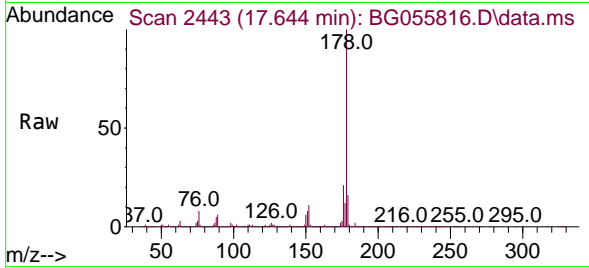
#71  
 Phenanthrene  
 Concen: 54.245 ng  
 RT: 17.644 min Scan# 2443  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

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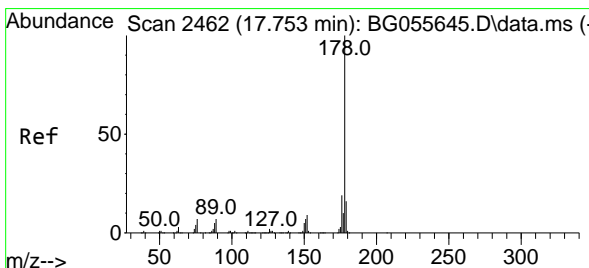
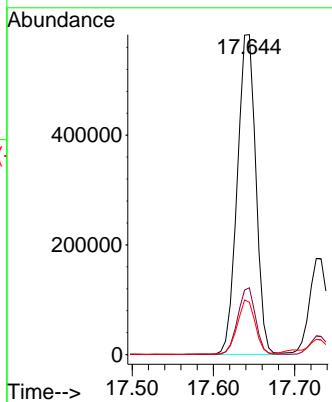
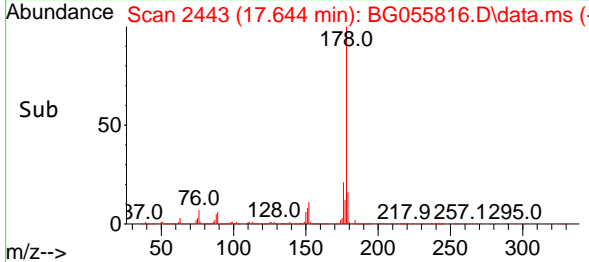


Tgt Ion:178 Resp: 925864  
 Ion Ratio Lower Upper  
 178 100  
 176 20.9 16.0 24.0  
 179 16.4 12.7 19.1

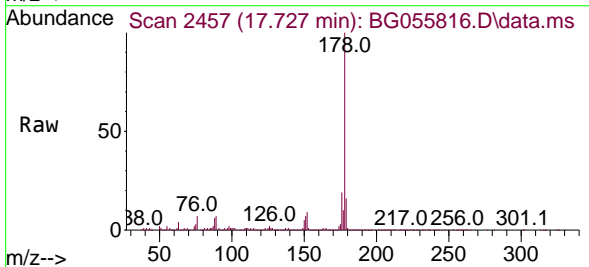
Manual Integrations

APPROVED

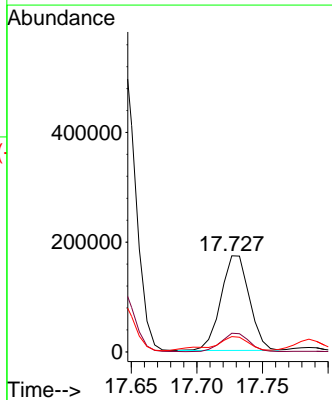
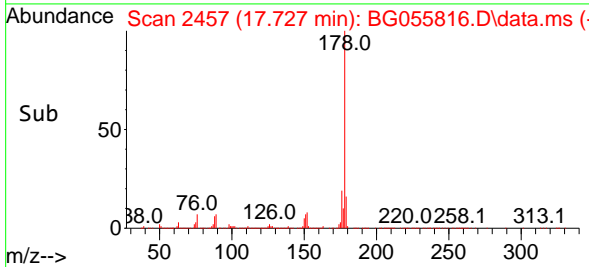
Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :Jagrut Upadhyay 11/29/2022

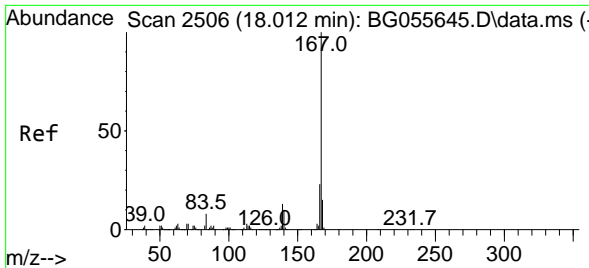


#72  
 Anthracene  
 Concen: 15.745 ng  
 RT: 17.727 min Scan# 2457  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:178 Resp: 261111  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.5 23.3  
 179 15.9 12.5 18.7





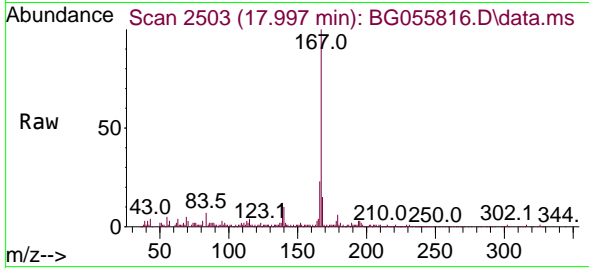
#73  
 Carbazole  
 Concen: 6.734 ng  
 RT: 17.997 min Scan# 21  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

Client Sample Id :

LOCATION-1

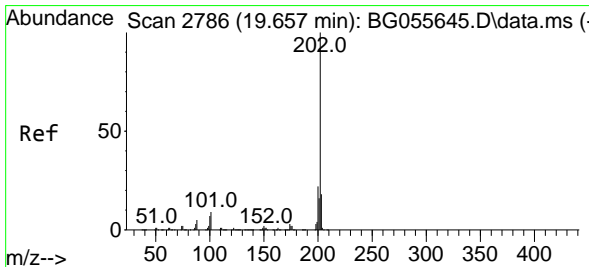
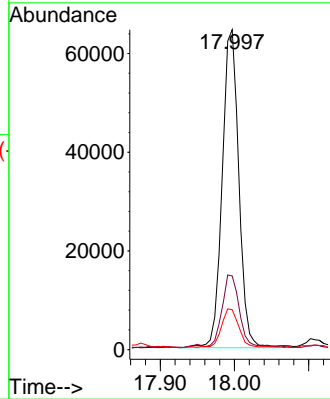
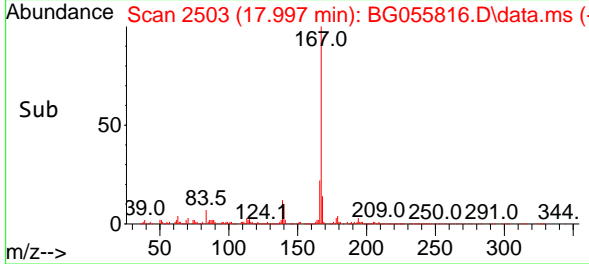


Tgt Ion:167 Resp: 100397  
 Ion Ratio Lower Upper  
 167 100  
 166 23.0 18.2 27.2  
 139 12.5 10.2 15.4

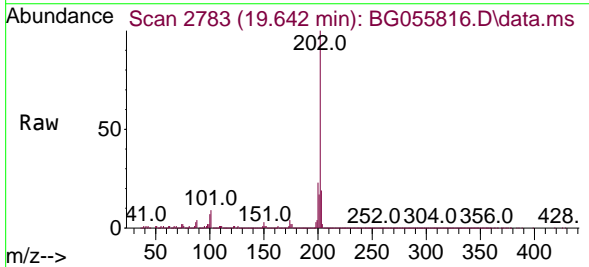
Manual Integrations

APPROVED

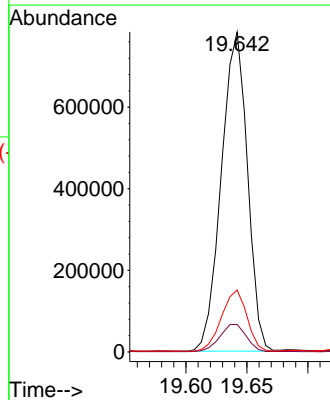
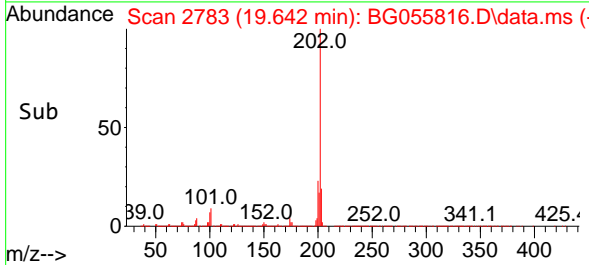
Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :Jagrut Upadhyay 11/29/2022

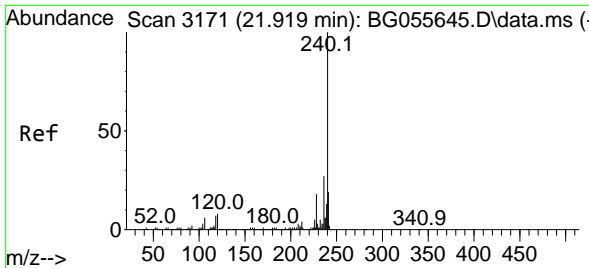


#75  
 Fluoranthene  
 Concen: 56.171 ng  
 RT: 19.642 min Scan# 2783  
 Delta R.T. 0.006 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:202 Resp: 1166375  
 Ion Ratio Lower Upper  
 202 100  
 101 8.6 0.0 28.8  
 203 19.3 0.0 38.1





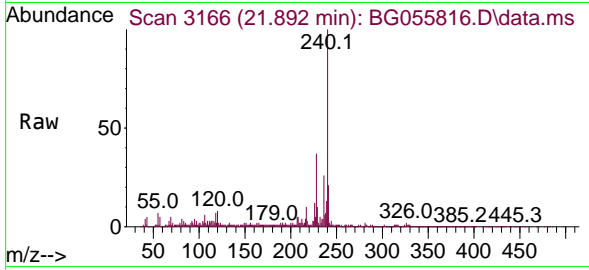
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.892 min Scan# 3171  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

Client Sample Id :

LOCATION-1

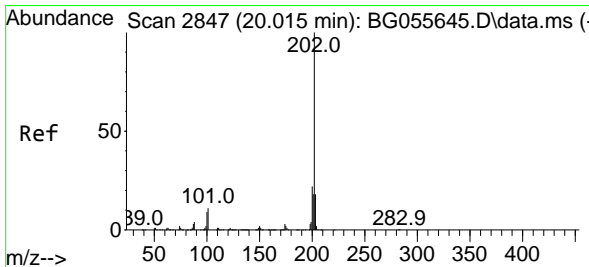
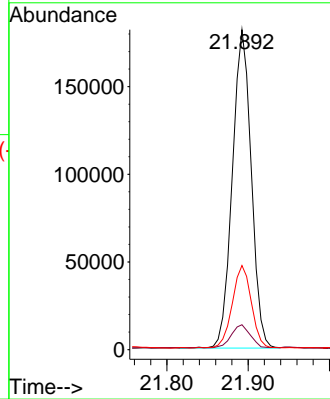
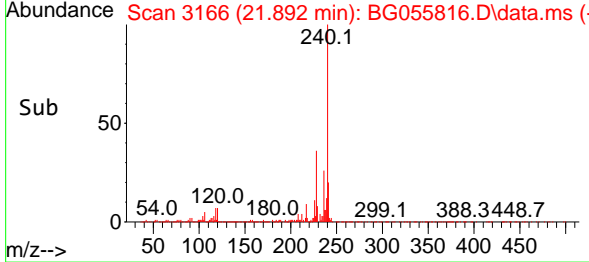


Tgt Ion:240 Resp: 293915  
 Ion Ratio Lower Upper  
 240 100  
 120 7.8 6.3 9.5  
 236 26.3 21.9 32.9

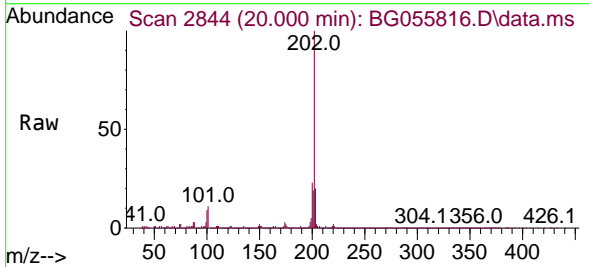
Manual Integrations

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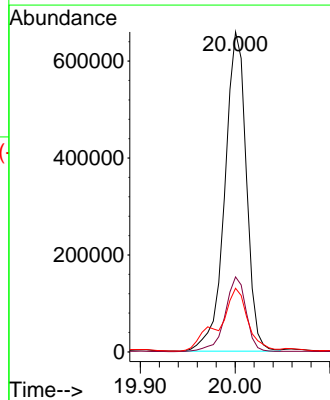
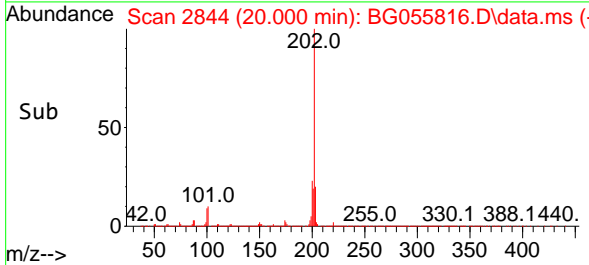
Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :Jagrut Upadhyay 11/29/2022

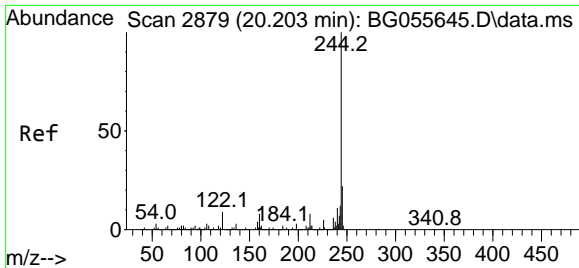


#78  
 Pyrene  
 Concen: 52.205 ng  
 RT: 20.000 min Scan# 2844  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:202 Resp: 1038601  
 Ion Ratio Lower Upper  
 202 100  
 200 23.4 17.8 26.6  
 203 19.9 14.4 21.6





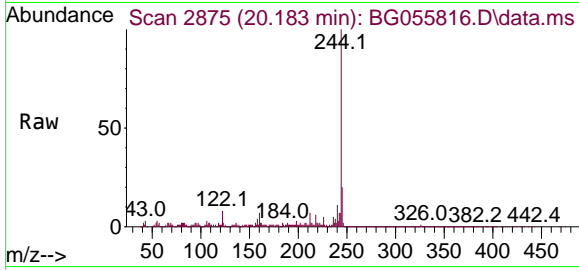
#79  
 Terphenyl-d14  
 Concen: 25.638 ng  
 RT: 20.183 min Scan# 2875  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

ClientSampleId :

LOCATION-1

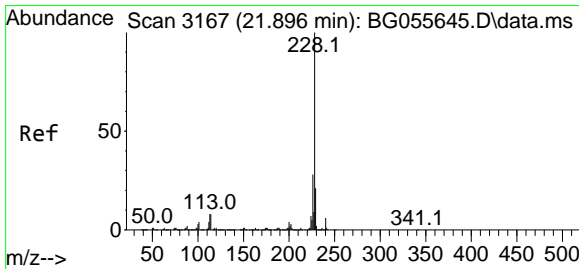
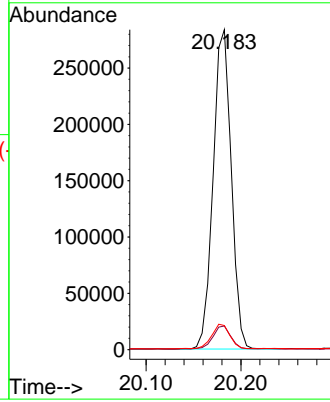
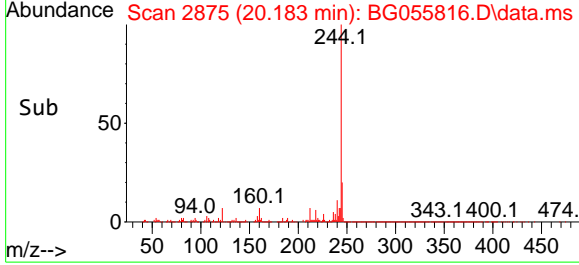


Tgt Ion:244 Resp: 376740  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.3 9.5  
 122 7.5 6.9 10.3

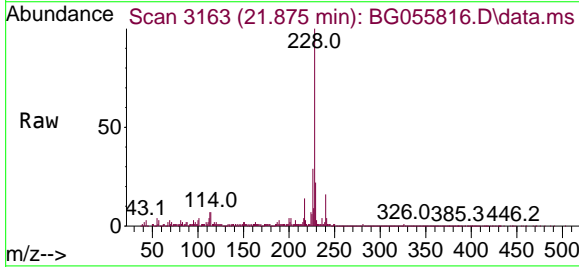
Manual Integrations

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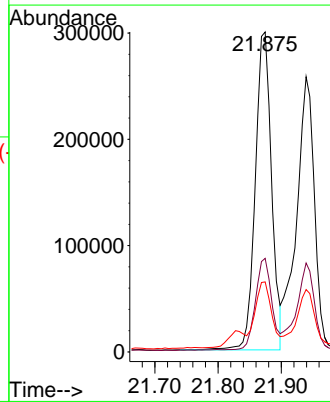
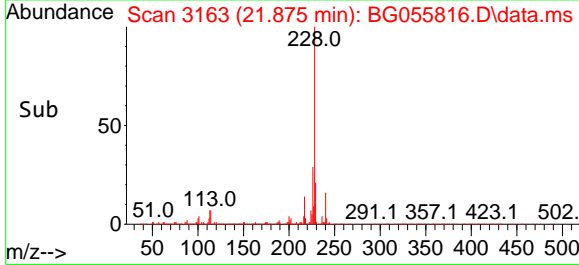
Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :Jagrut Upadhyay 11/29/2022

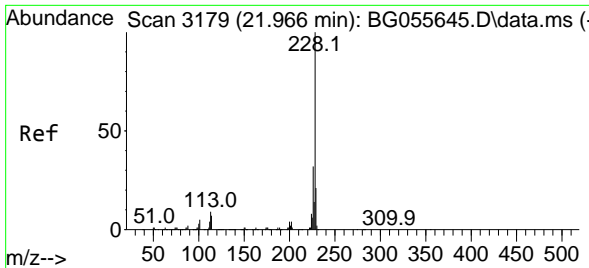


#81  
 Benzo(a)anthracene  
 Concen: 26.482 ng  
 RT: 21.875 min Scan# 3163  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:228 Resp: 536093  
 Ion Ratio Lower Upper  
 228 100  
 226 29.2 22.7 34.1  
 229 21.9 16.5 24.7





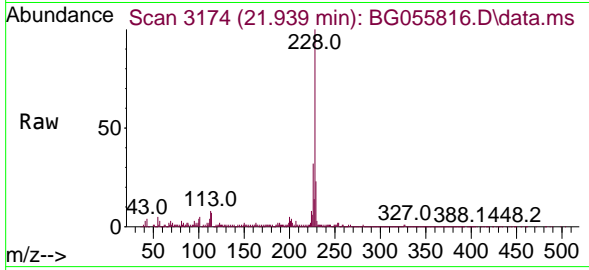
#83  
 Chrysene  
 Concen: 26.492 ng m  
 RT: 21.939 min Scan# 3179  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

Client Sample Id :

LOCATION-1

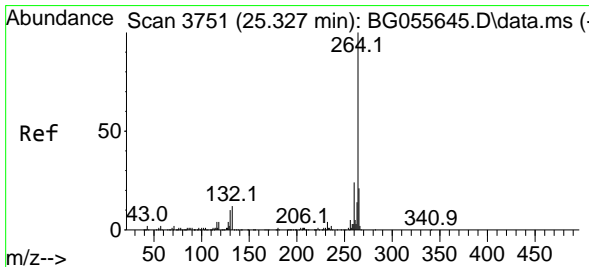
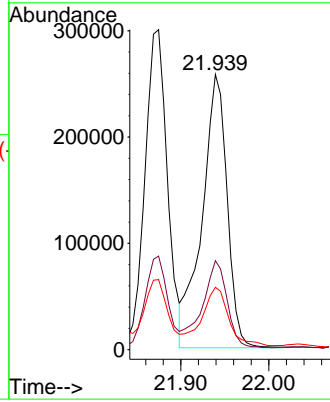
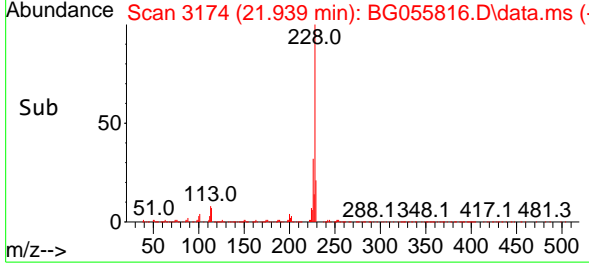


Tgt Ion: 228 Resp: 510545  
 Ion Ratio Lower Upper  
 228 100  
 226 32.3 25.4 38.2  
 229 22.7 17.1 25.7

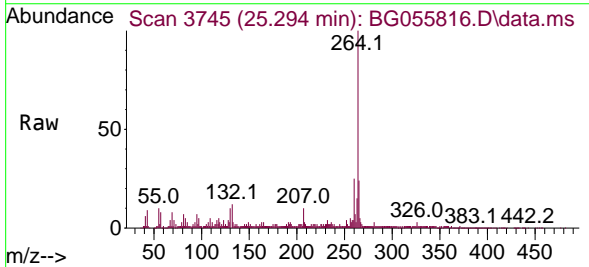
Manual Integrations

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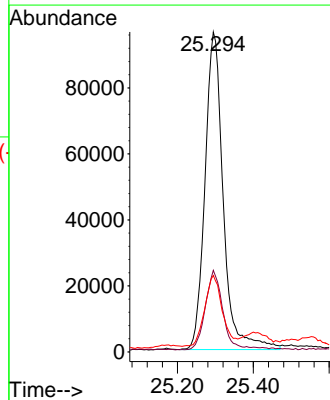
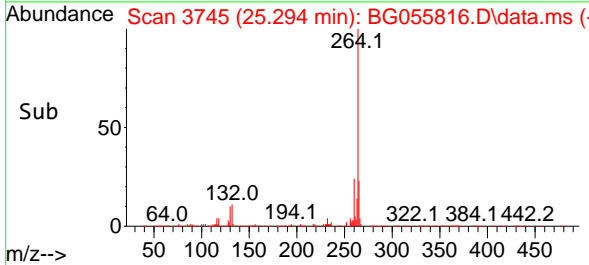
Reviewed By : Christian Giraldo 11/29/2022  
 Supervised By : Jagrut Upadhyay 11/29/2022

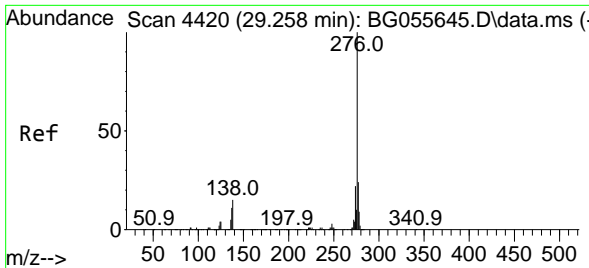


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.294 min Scan# 3745  
 Delta R.T. 0.006 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



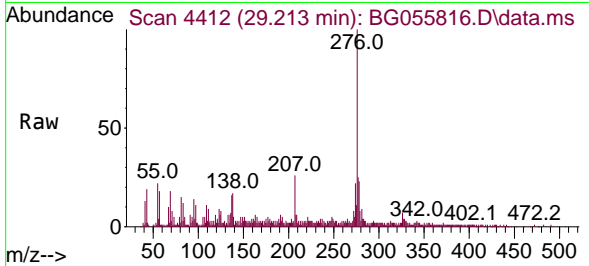
Tgt Ion: 264 Resp: 322487  
 Ion Ratio Lower Upper  
 264 100  
 260 25.5 19.5 29.3  
 265 23.9 17.1 25.7





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 7.021 ng  
 RT: 29.213 min Scan# 4420  
 Delta R.T. 0.001 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

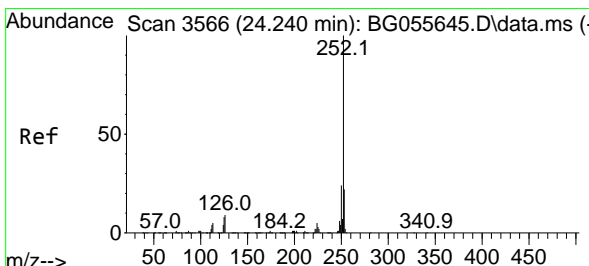
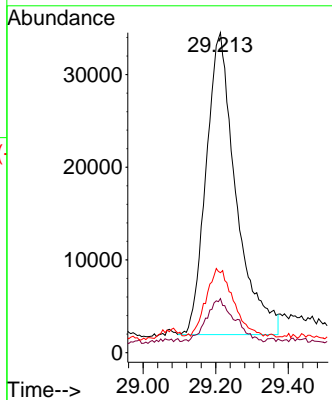
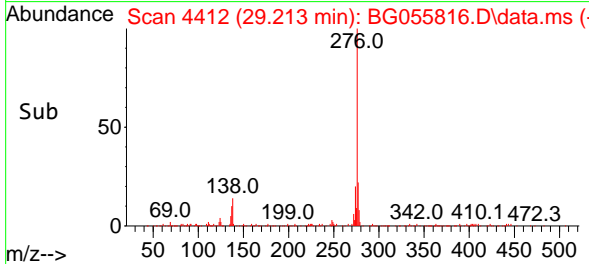
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOCATION-1



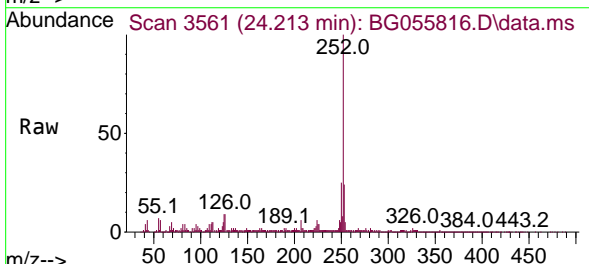
Tgt Ion: 276 Resp: 185486  
 Ion Ratio Lower Upper  
 276 100  
 138 14.0 10.4 15.6  
 277 20.3 20.2 30.4

Manual Integrations  
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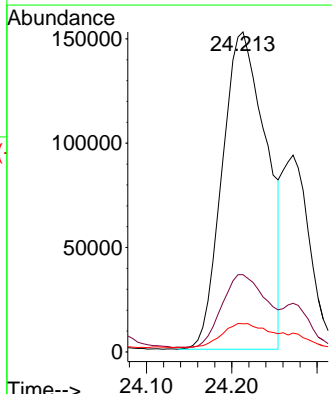
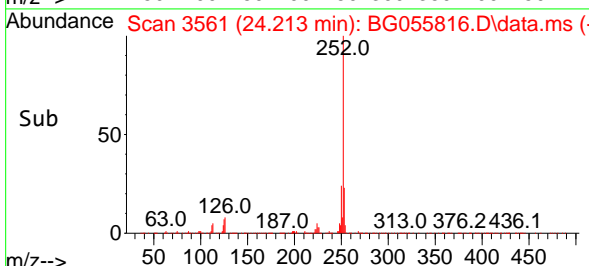
Reviewed By : Christian Giraldo 11/29/2022  
 Supervised By : Jagrut Upadhyay 11/29/2022

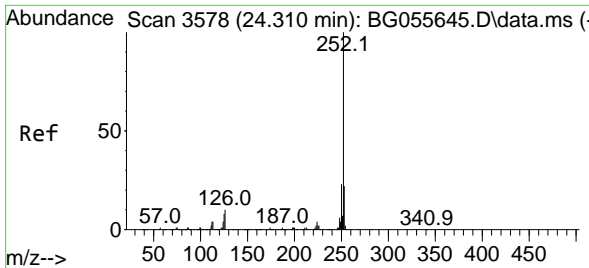


#88  
 Benzo(b)fluoranthene  
 Concen: 26.051 ng  
 RT: 24.213 min Scan# 3561  
 Delta R.T. 0.006 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion: 252 Resp: 547135  
 Ion Ratio Lower Upper  
 252 100  
 253 24.1 18.0 27.0  
 125 8.8 6.2 9.2





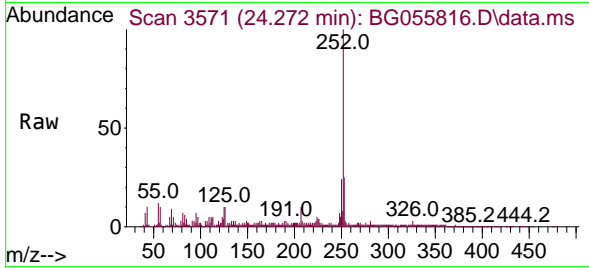
#89  
 Benzo(k)fluoranthene  
 Concen: 10.010 ng m  
 RT: 24.272 min Scan# 31  
 Delta R.T. -0.005 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

ClientSampleId :

LOCATION-1

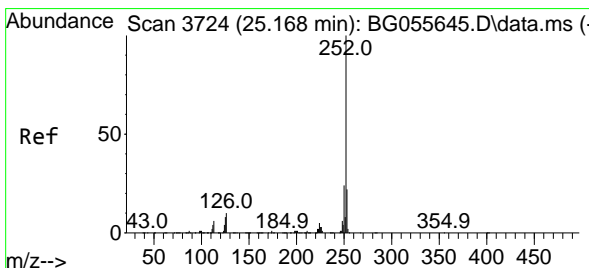
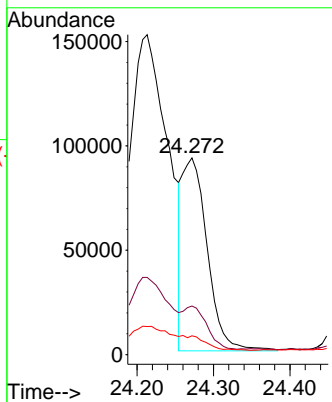
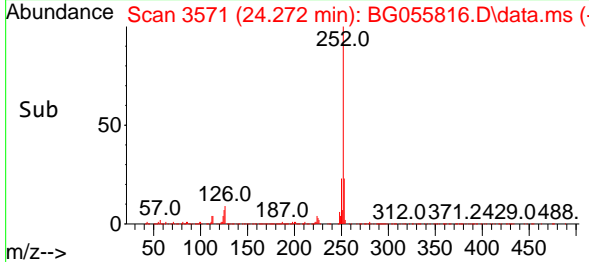


Tgt Ion:252 Resp: 209568  
 Ion Ratio Lower Upper  
 252 100  
 253 24.7 17.8 26.6  
 125 9.5 6.1 9.1

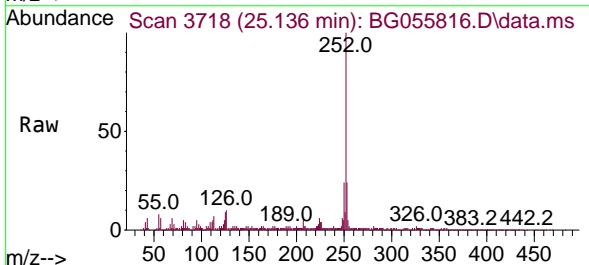
Manual Integrations

APPROVED

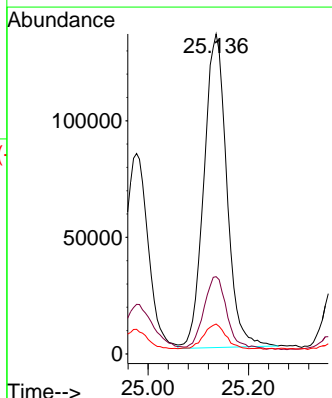
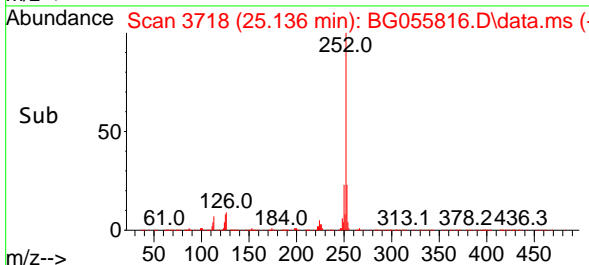
Reviewed By :Christian Giraldo 11/29/2022  
 Supervised By :Jagrut Upadhyay 11/29/2022

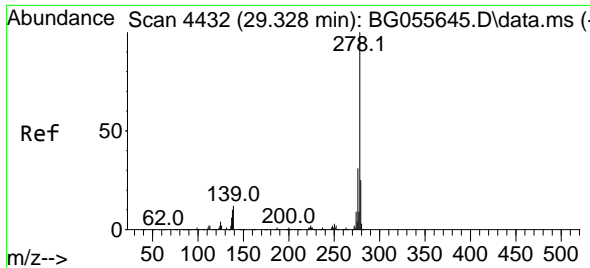


#90  
 Benzo(a)pyrene  
 Concen: 23.577 ng  
 RT: 25.136 min Scan# 3718  
 Delta R.T. 0.006 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion:252 Resp: 424908  
 Ion Ratio Lower Upper  
 252 100  
 253 24.1 17.8 26.6  
 125 9.3 6.4 9.6





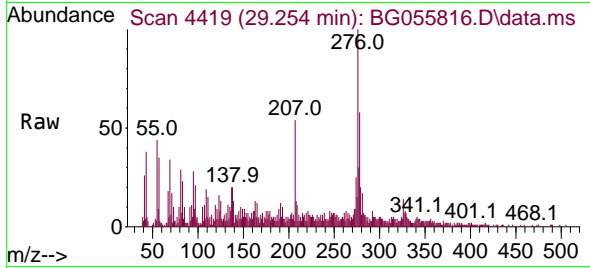
#91  
 Dibenzo(a,h)anthracene  
 Concen: 2.420 ng  
 RT: 29.254 min Scan# 4419  
 Delta R.T. -0.011 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35

Instrument :

BNA\_G

ClientSampleId :

LOCATION-1

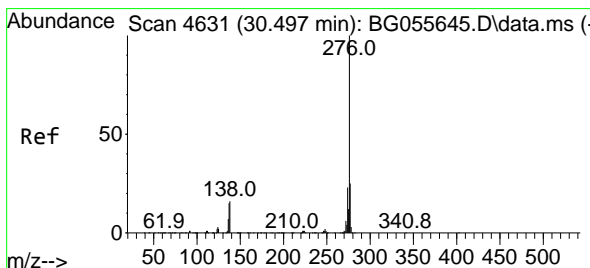
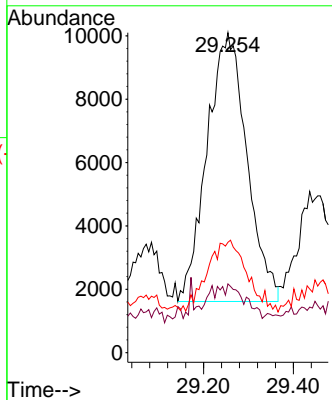
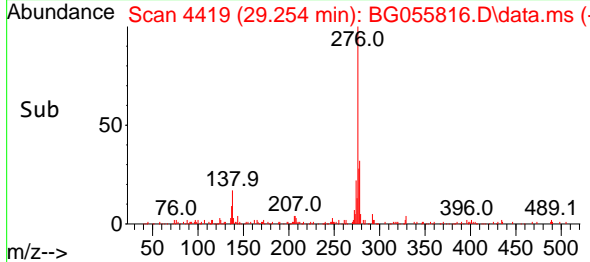


Tgt Ion: 278 Resp: 5225  
 Ion Ratio Lower Upper  
 278 100  
 139 21.5 9.8 14.8  
 279 34.5 19.8 29.6

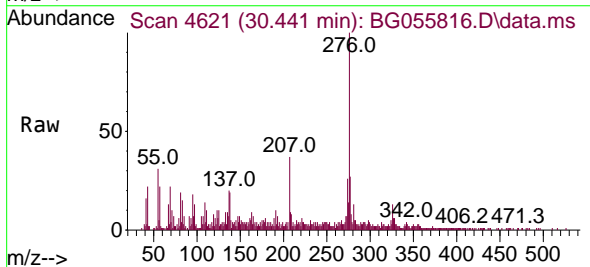
Manual Integrations

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Reviewed By : Christian Giraldo 11/29/2022  
 Supervised By : Jagrut Upadhyay 11/29/2022



#92  
 Benzo(g,h,i)perylene  
 Concen: 7.673 ng  
 RT: 30.441 min Scan# 4621  
 Delta R.T. 0.006 min  
 Lab File: BG055816.D  
 Acq: 28 Nov 2022 22:35



Tgt Ion: 276 Resp: 166951  
 Ion Ratio Lower Upper  
 276 100  
 277 27.0 19.8 29.6  
 138 18.6 13.1 19.7

