

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
 Data File : BG055698.D
 Acq On : 18 Nov 2022 20:16
 Operator : CG/JU
 Sample : N5691-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-358

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022

Quant Time: Nov 18 23:59:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.247	152	32635	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	148128	20.000	ng	0.00
39) Acenaphthene-d10	14.869	164	120255	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	288445	20.000	ng	0.00
76) Chrysene-d12	21.907	240	260606	20.000	ng	-0.01
86) Perylene-d12	25.327	264	278599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.779	112	235448	130.405	ng	0.00
7) Phenol-d6	7.395	99	328900	136.846	ng	0.00
23) Nitrobenzene-d5	9.422	82	188532	67.272	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	203804	120.356	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	502422	62.591	ng	0.00
79) Terphenyl-d14	20.198	244	860770	66.063	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.126	128	25247	3.153	ng	98
71) Phenanthrene	17.654	178	120202	7.722	ng	97
72) Anthracene	17.748	178	32831	2.171	ng	97
75) Fluoranthene	19.651	202	156569	8.268	ng	100
78) Pyrene	20.016	202	223785	12.686	ng	99
81) Benzo(a)anthracene	21.890	228	97119	5.411	ng	100
83) Chrysene	21.960	228	126888	7.426	ng	99
87) Indeno(1,2,3-cd)pyrene	29.234	276	49240m	2.157	ng	
88) Benzo(b)fluoranthene	24.234	252	92058	5.074	ng	97
90) Benzo(a)pyrene	25.157	252	77565	4.982	ng	96
92) Benzo(g,h,i)perylene	30.462	276	53039	2.822	ng	98

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

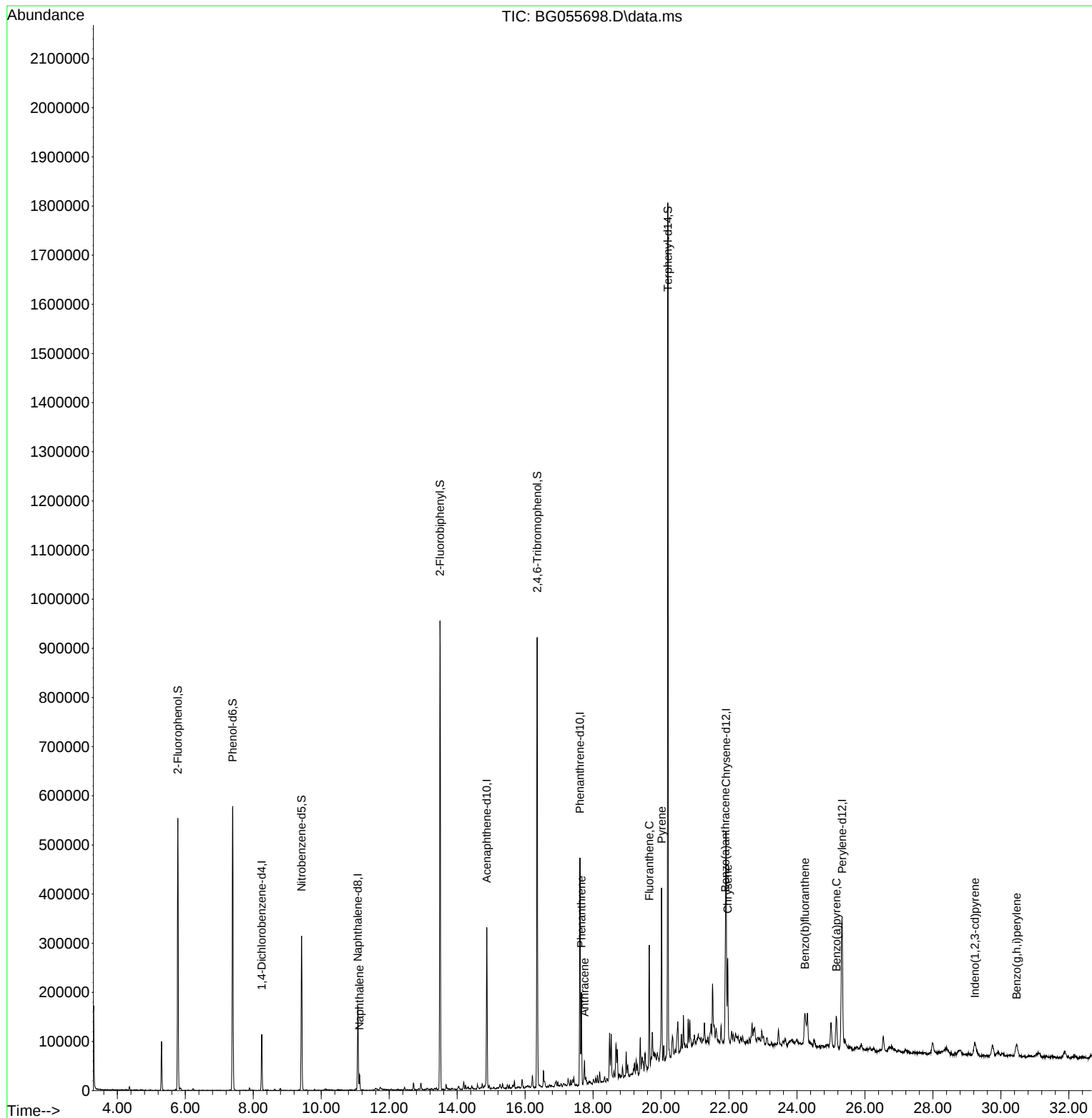
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
Data File : BG055698.D
Acq On : 18 Nov 2022 20:16
Operator : CG/JU
Sample : N5691-01
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ALS Vial : 8 Sample Multiplier: 1

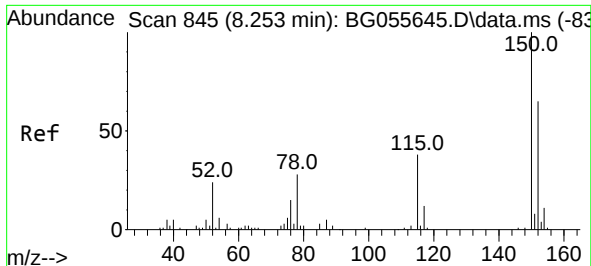
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Quant Time: Nov 18 23:59:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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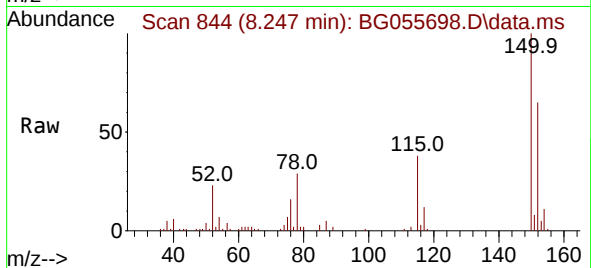
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.247 min Scan# 845
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

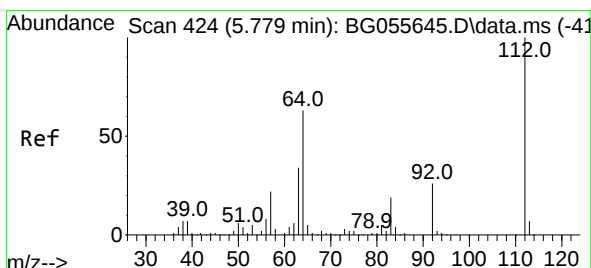
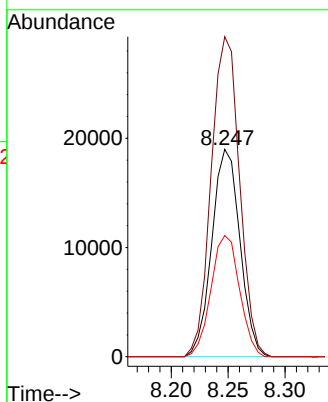
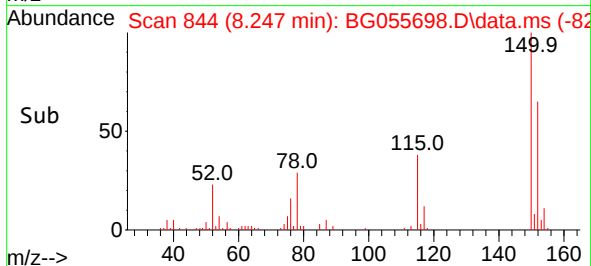
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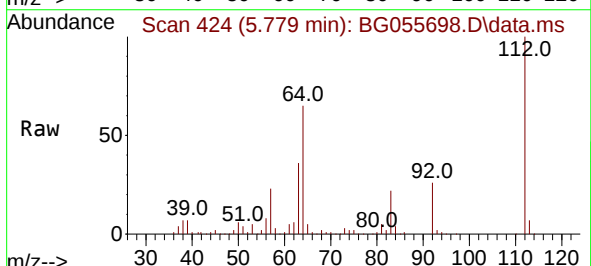
Tgt Ion:152 Resp: 3263
Ion Ratio Lower Upper
152 100
150 154.4 123.0 184.6
115 58.4 47.0 70.4

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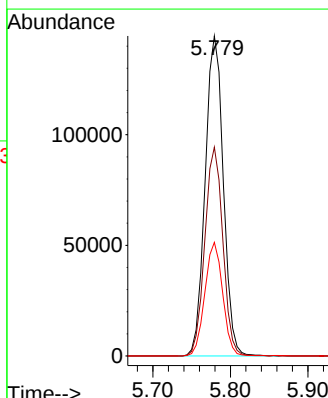
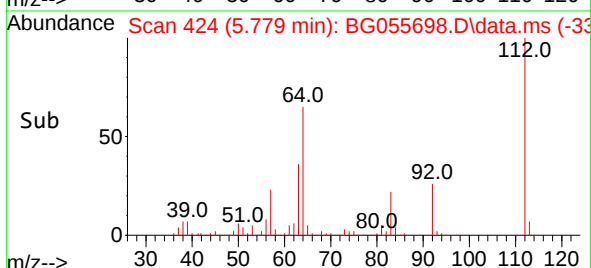
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

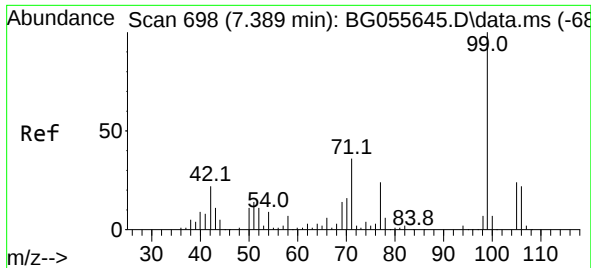


#5
2-Fluorophenol
Concen: 130.405 ng
RT: 5.779 min Scan# 424
Delta R.T. 0.000 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



Tgt Ion:112 Resp: 235448
Ion Ratio Lower Upper
112 100
64 65.2 50.6 76.0
63 35.5 27.5 41.3





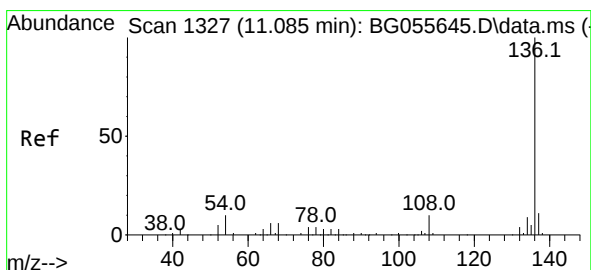
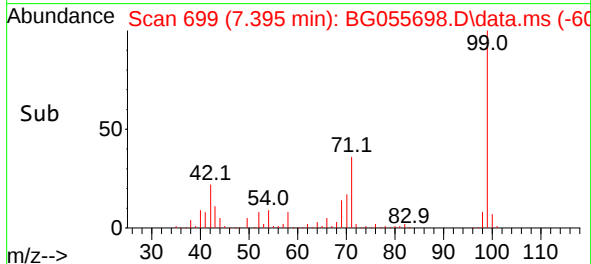
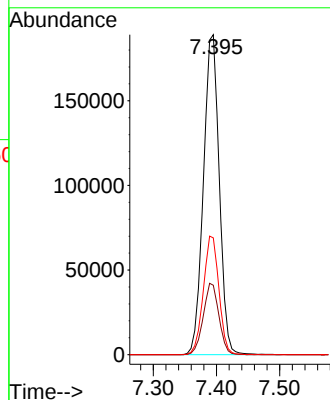
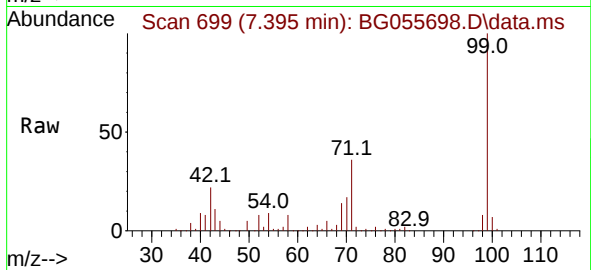
#7
Phenol-d6
Concen: 136.846 ng
RT: 7.395 min Scan# 699
Delta R.T. 0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 328900
Ion Ratio Lower Upper
99 100
42 21.7 18.0 27.0
71 36.5 29.0 43.6

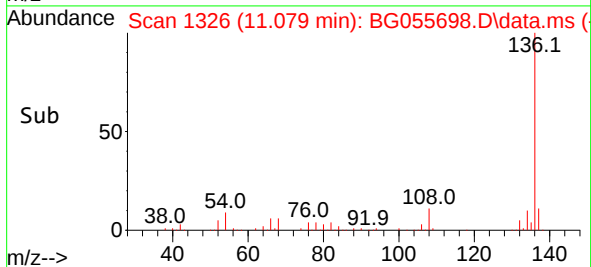
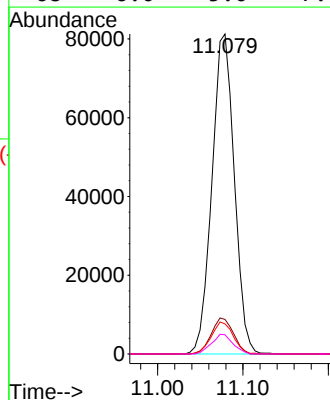
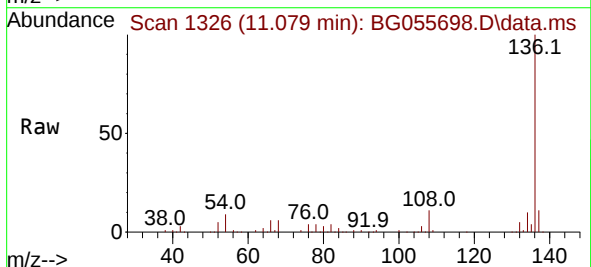
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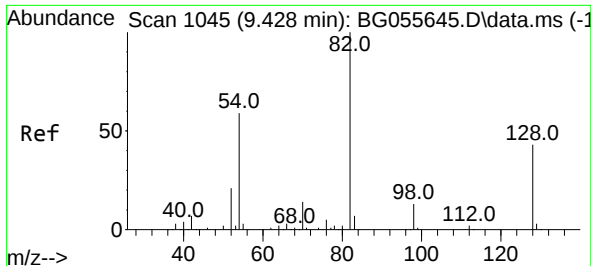
Reviewed By :Christian Giraldo 11/21/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:136 Resp: 148128
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.4 7.8 11.6
68 6.0 5.0 7.4





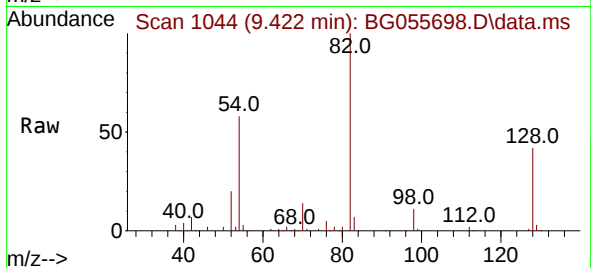
#23
Nitrobenzene-d5
Concen: 67.272 ng
RT: 9.422 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Instrument :

BNA_G

ClientSampleId :

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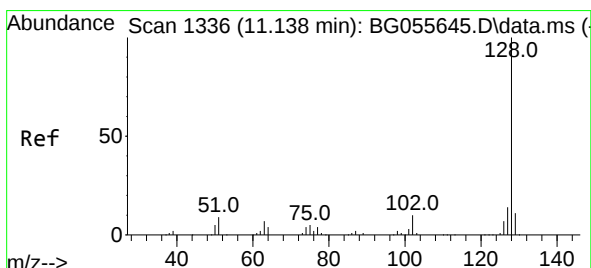
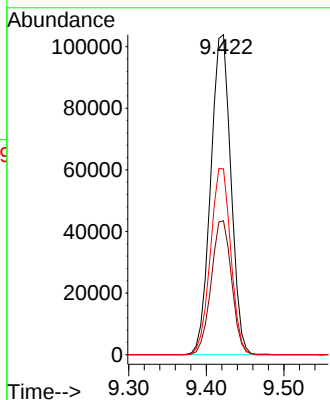
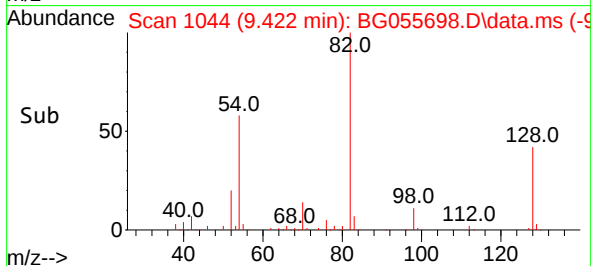


Tgt Ion: 82 Resp: 188532
Ion Ratio Lower Upper
82 100
128 41.8 34.1 51.1
54 58.1 47.3 70.9

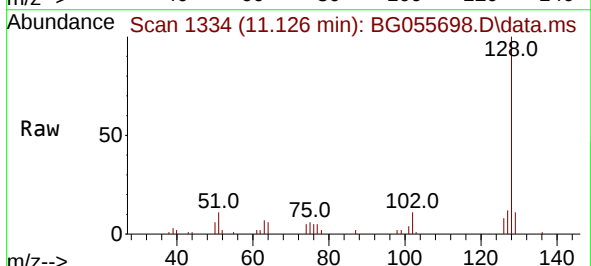
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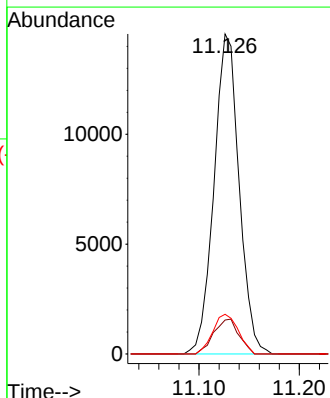
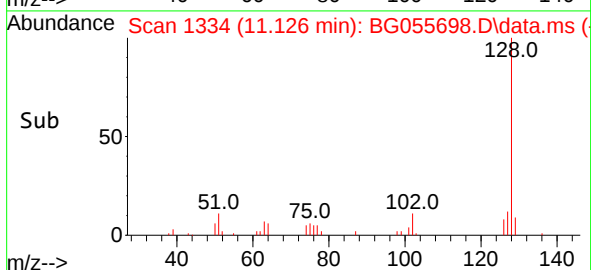
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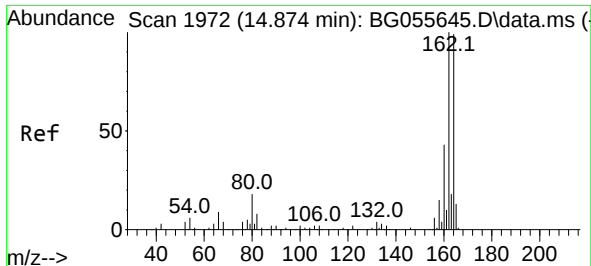


#31
Naphthalene
Concen: 3.153 ng
RT: 11.126 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



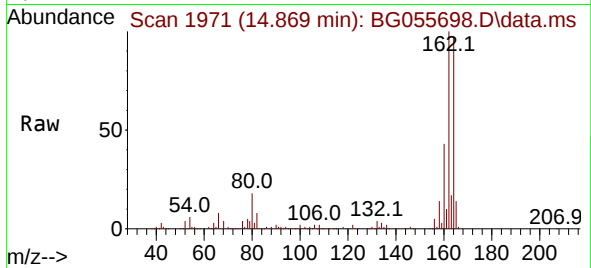
Tgt Ion:128 Resp: 25247
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.4 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

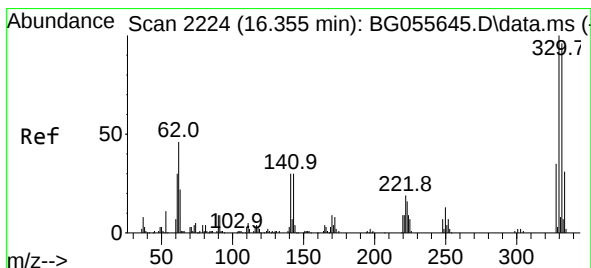
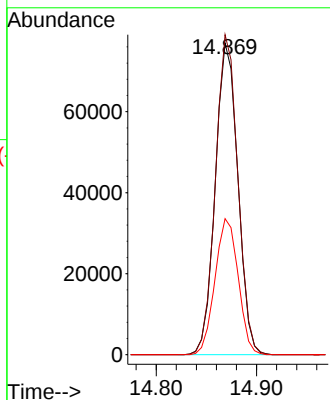
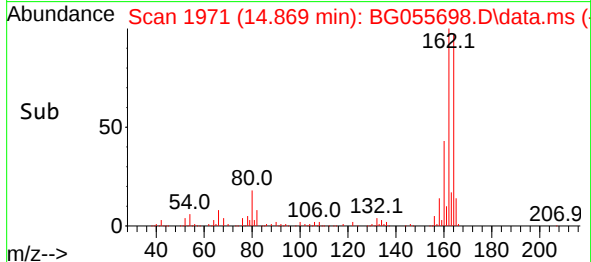
Instrument :
BNA_G
ClientSampleId :
ETGI-358



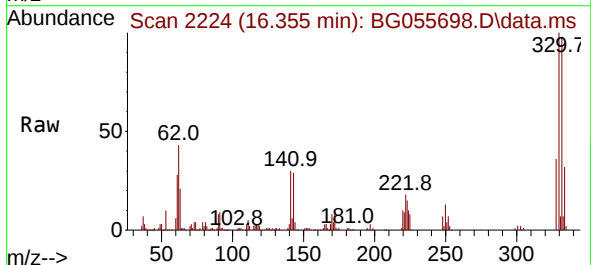
Tgt Ion:164 Resp: 12025
Ion Ratio Lower Upper
164 100
162 102.7 81.1 121.7
160 43.7 34.8 52.2

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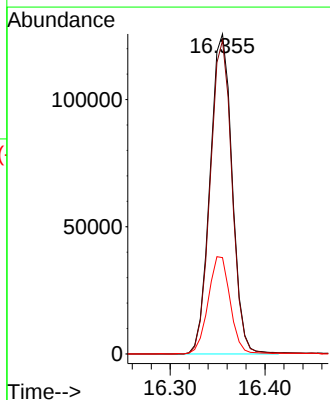
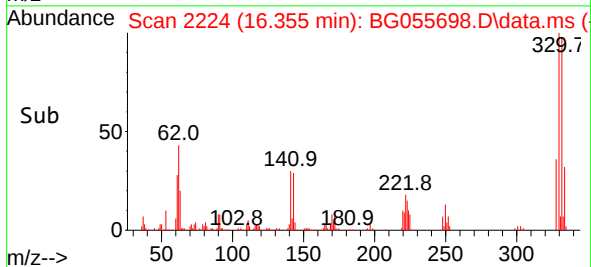
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Supervised By :Jagrut Upadhyay 11/21/2022

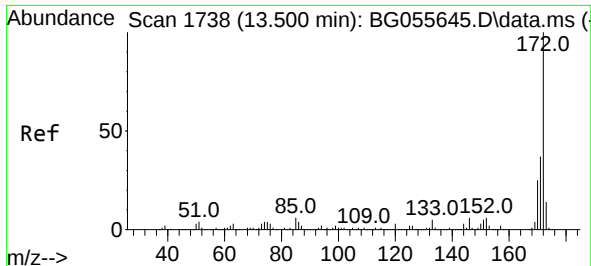


#42
2,4,6-Tribromophenol
Concen: 120.356 ng
RT: 16.355 min Scan# 2224
Delta R.T. 0.000 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



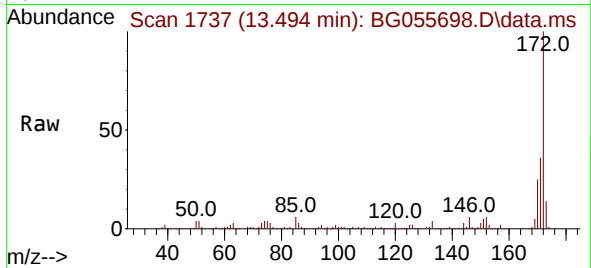
Tgt Ion:330 Resp: 203804
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 30.4 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 62.591 ng
RT: 13.494 min Scan# 1737
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

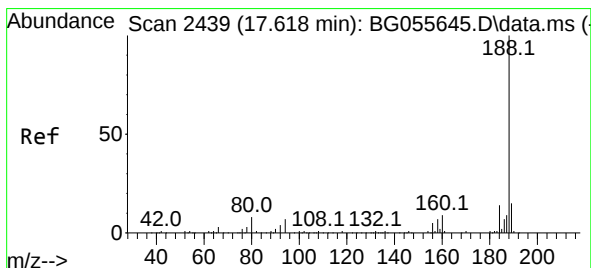
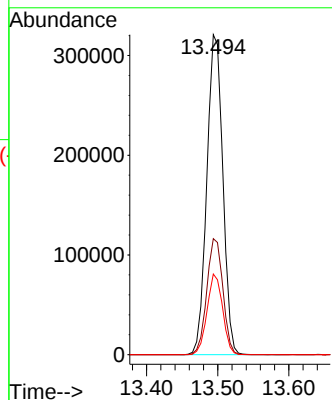
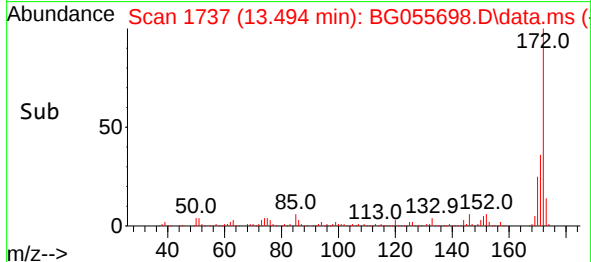
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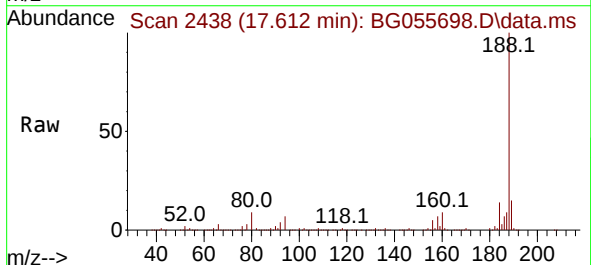
Tgt Ion:172 Resp: 50242
Ion Ratio Lower Upper
172 100
171 36.3 29.8 44.6
170 25.2 20.2 30.4

Manual Integrations
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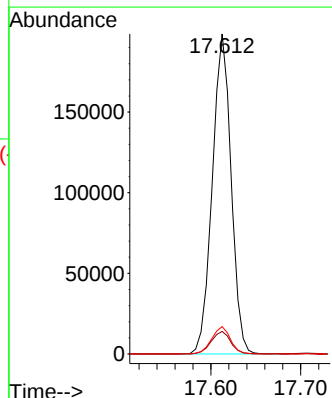
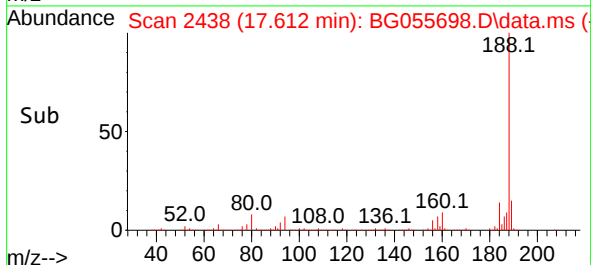
Reviewed By :Christian Giraldo 11/21/2022
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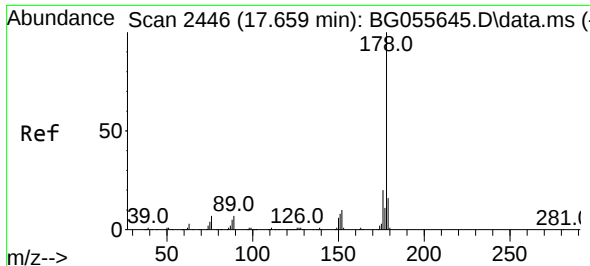


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



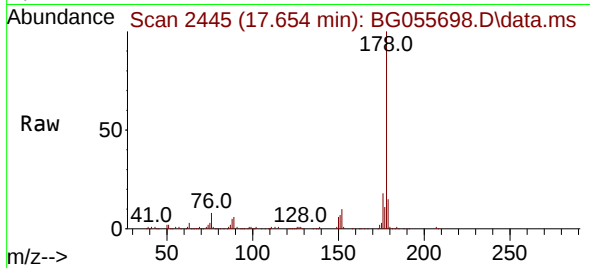
Tgt Ion:188 Resp: 288445
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.2
80 8.6 6.6 10.0





#71
Phenanthrene
Concen: 7.722 ng
RT: 17.654 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

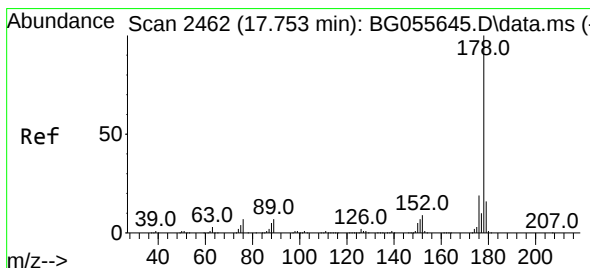
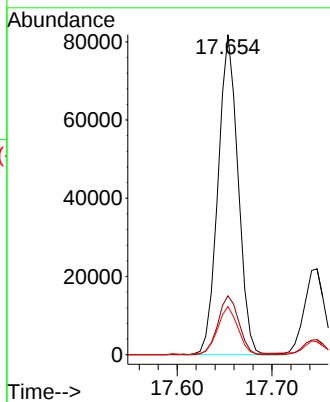
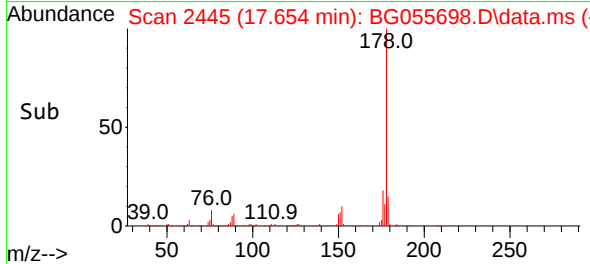
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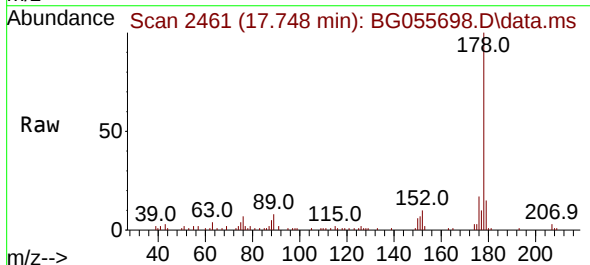
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Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.0 12.7 19.1

Manual Integrations
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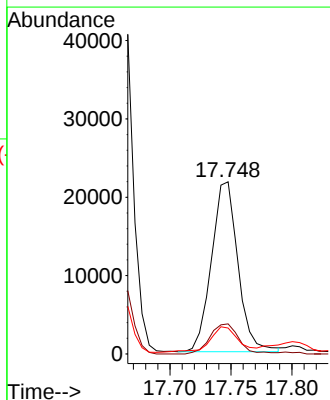
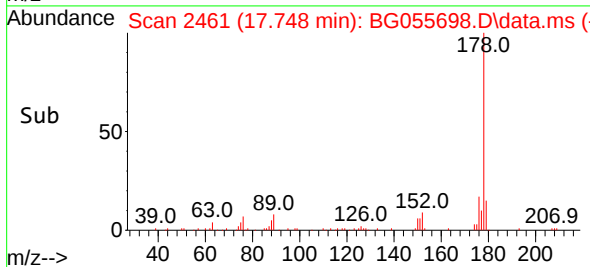
Reviewed By :Christian Giraldo 11/21/2022
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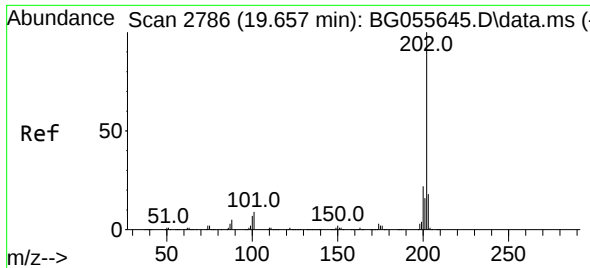


#72
Anthracene
Concen: 2.171 ng
RT: 17.748 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



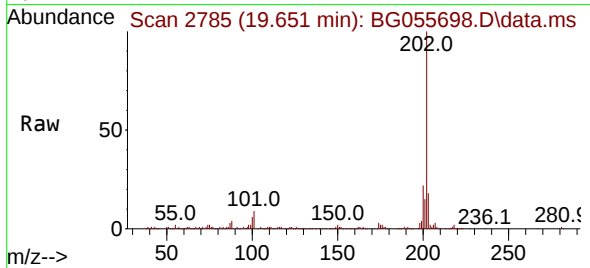
Tgt Ion:178 Resp: 32831
Ion Ratio Lower Upper
178 100
176 17.5 15.5 23.3
179 15.1 12.5 18.7





#75
Fluoranthene
Concen: 8.268 ng
RT: 19.651 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

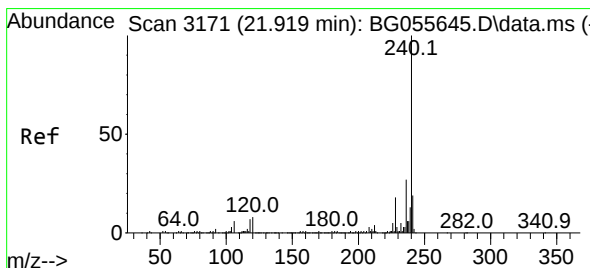
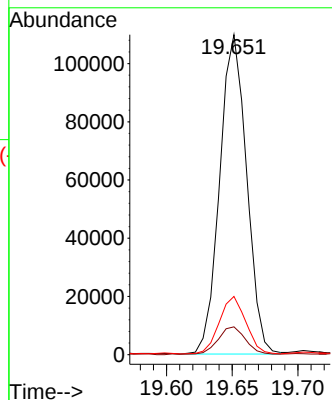
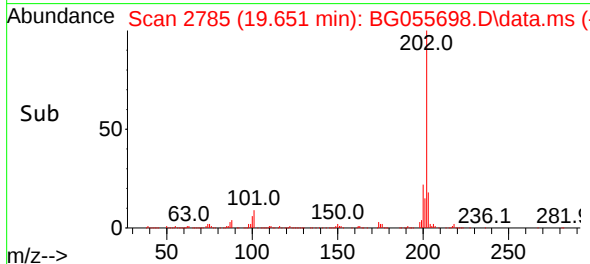
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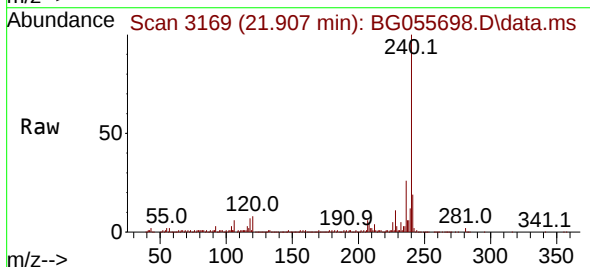
Tgt Ion:202 Resp: 15656
Ion Ratio Lower Upper
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101 8.7 0.0 28.8
203 18.2 0.0 38.1

Manual Integrations
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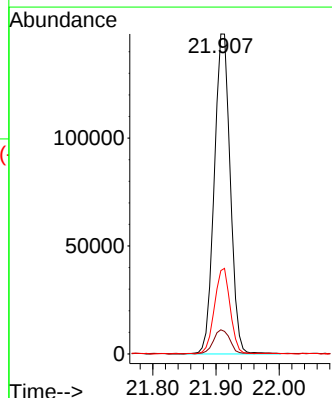
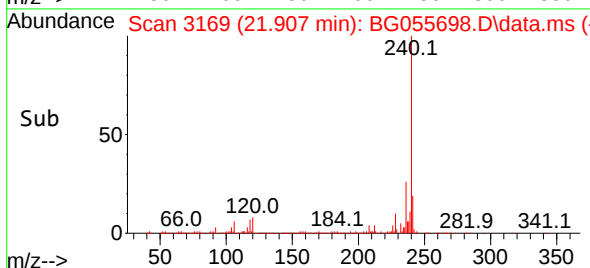
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

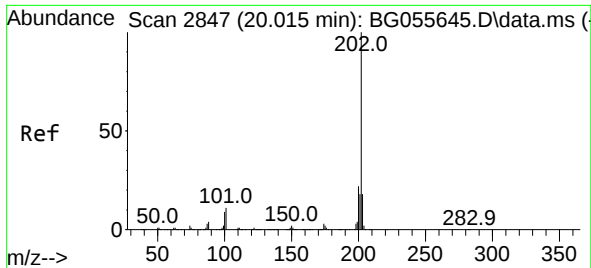


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.907 min Scan# 3169
Delta R.T. -0.012 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



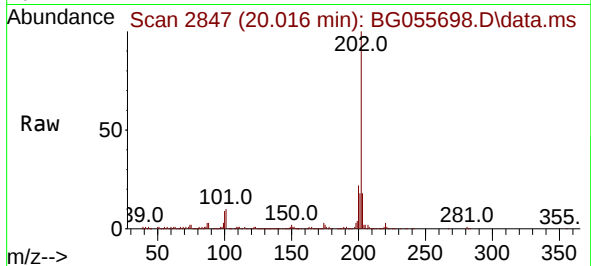
Tgt Ion:240 Resp: 260606
Ion Ratio Lower Upper
240 100
120 7.5 6.3 9.5
236 26.1 21.9 32.9





#78
Pyrene
Concen: 12.686 ng
RT: 20.016 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

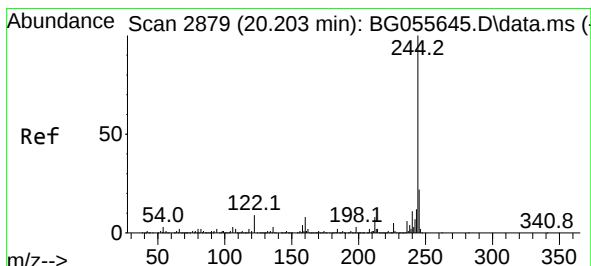
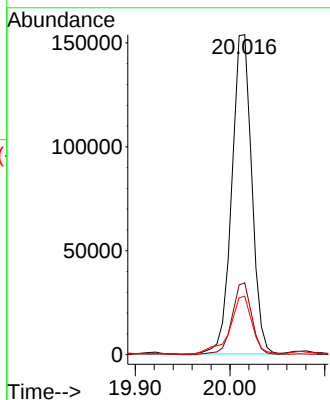
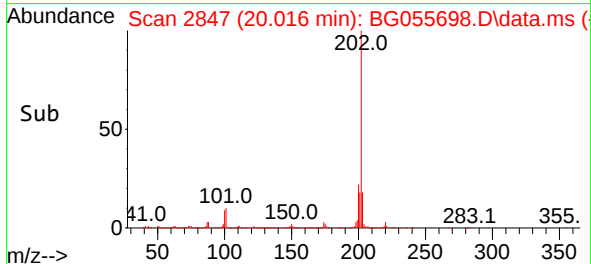
Instrument :
BNA_G
ClientSampleId :
ETGI-358



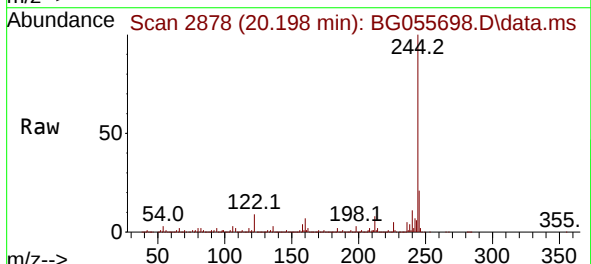
Tgt Ion:202 Resp: 223785
Ion Ratio Lower Upper
202 100
200 22.5 17.8 26.6
203 18.2 14.4 21.6

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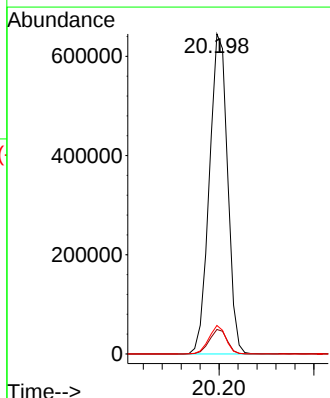
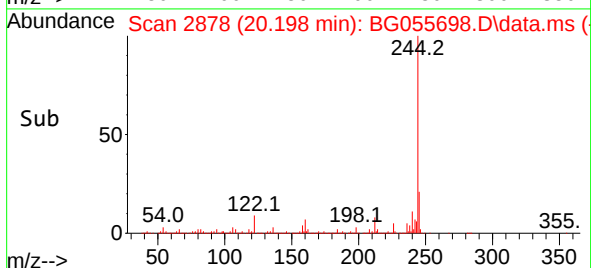
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

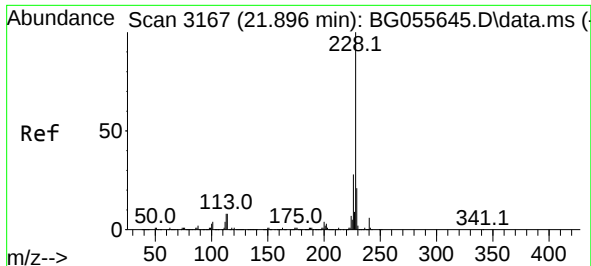


#79
Terphenyl-d14
Concen: 66.063 ng
RT: 20.198 min Scan# 2878
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



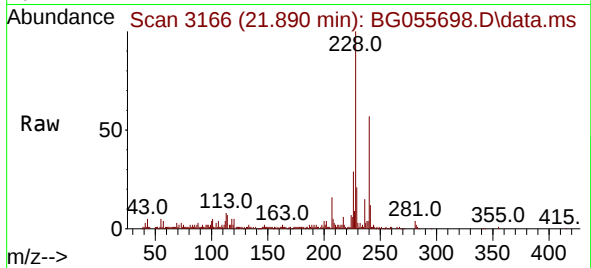
Tgt Ion:244 Resp: 860770
Ion Ratio Lower Upper
244 100
212 7.6 6.3 9.5
122 8.9 6.9 10.3





#81
Benzo(a)anthracene
Concen: 5.411 ng
RT: 21.890 min Scan# 3166
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

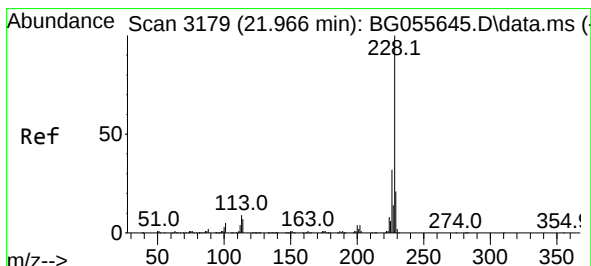
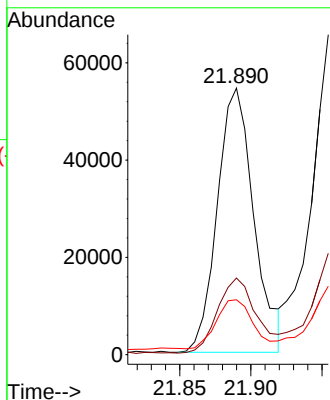
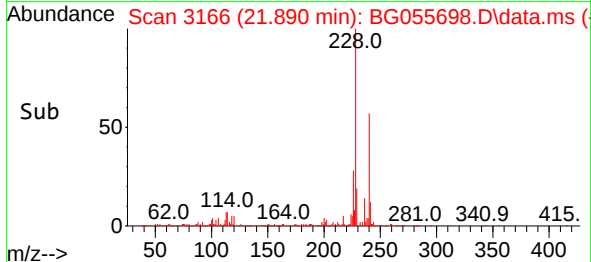
Instrument :
BNA_G
ClientSampleId :
ETGI-358



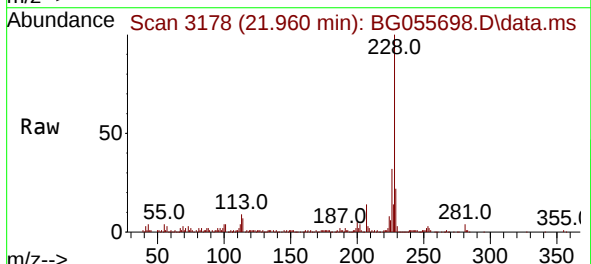
Tgt Ion:228 Resp: 97119
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 20.6 16.5 24.7

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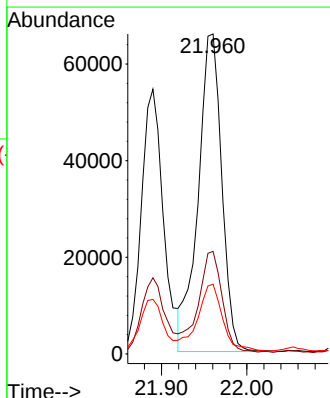
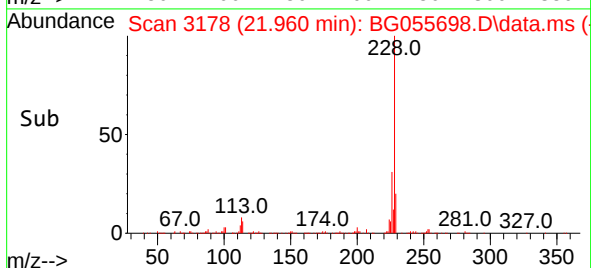
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

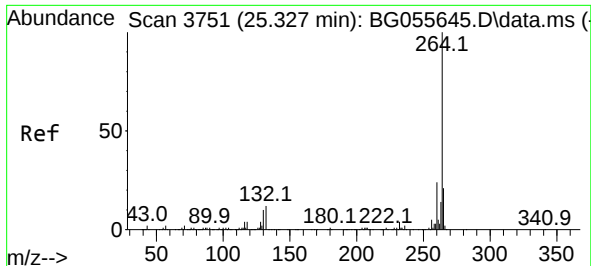


#83
Chrysene
Concen: 7.426 ng
RT: 21.960 min Scan# 3178
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



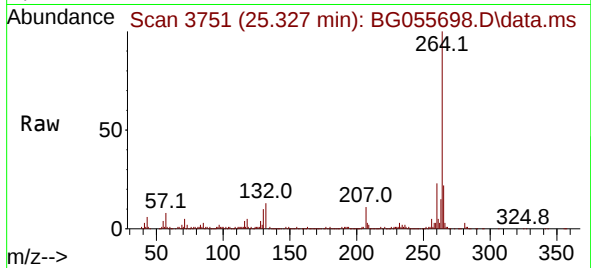
Tgt Ion:228 Resp: 126888
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.2
229 21.8 17.1 25.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3751
Delta R.T. 0.000 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

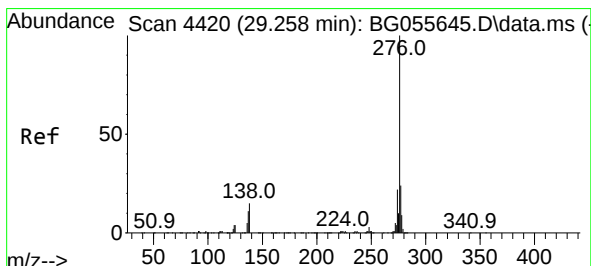
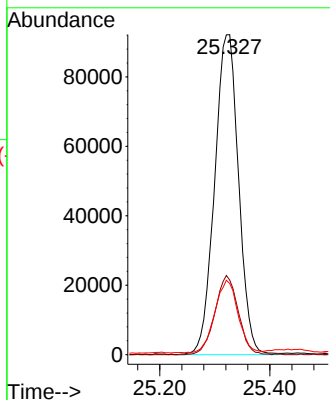
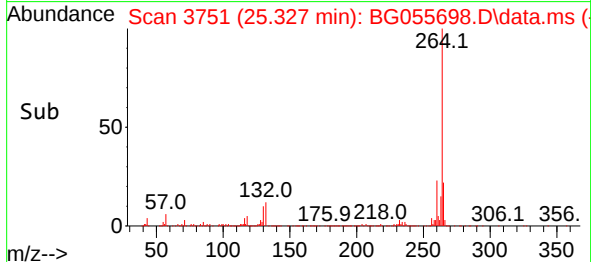
Instrument :
BNA_G
ClientSampleId :
ETGI-358



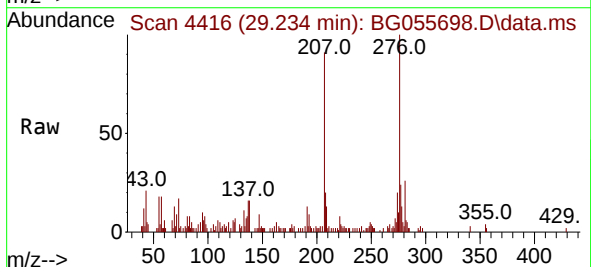
Tgt Ion: 264 Resp: 278599
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 22.2 17.1 25.7

Manual Integrations
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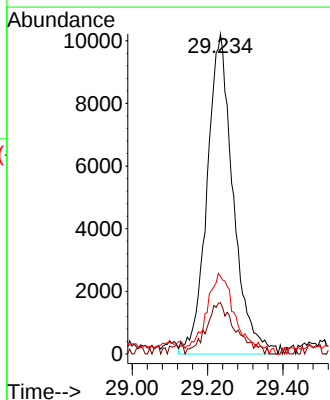
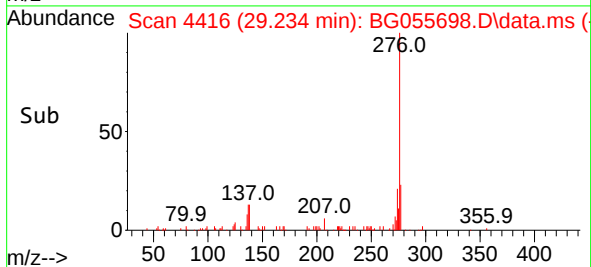
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022

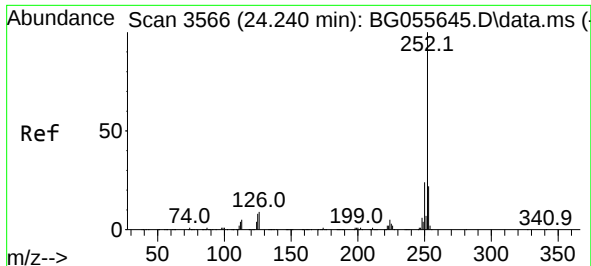


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.157 ng m
RT: 29.234 min Scan# 4416
Delta R.T. -0.023 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16



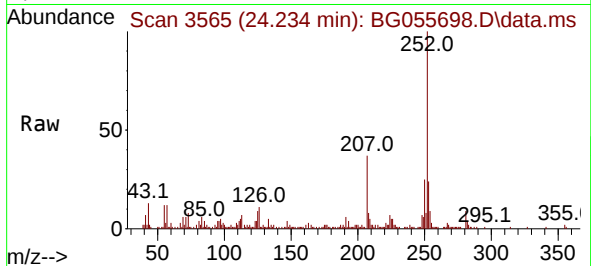
Tgt Ion: 276 Resp: 49240
Ion Ratio Lower Upper
276 100
138 0.6 10.4 15.6#
277 1.4 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 5.074 ng
RT: 24.234 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

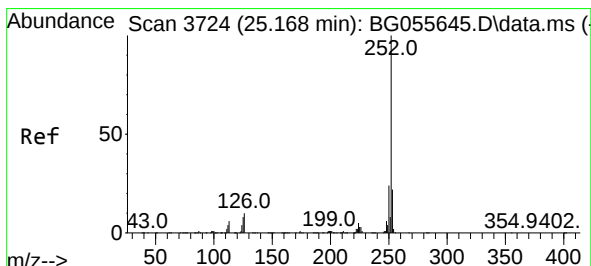
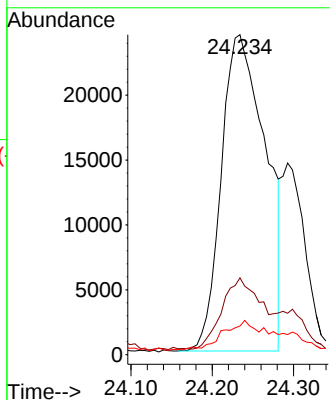
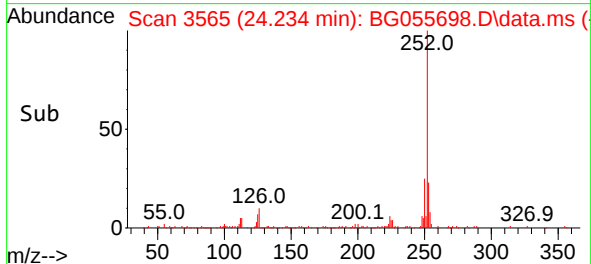
Instrument :
BNA_G
ClientSampleId :
ETGI-358



Tgt Ion:252 Resp: 92058
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 8.9 6.2 9.2

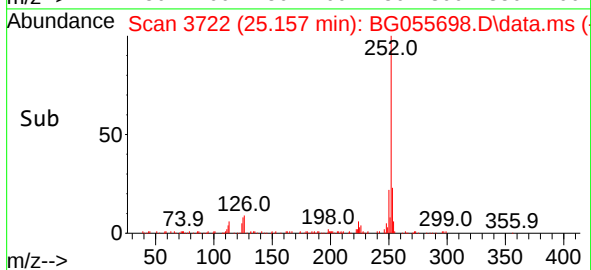
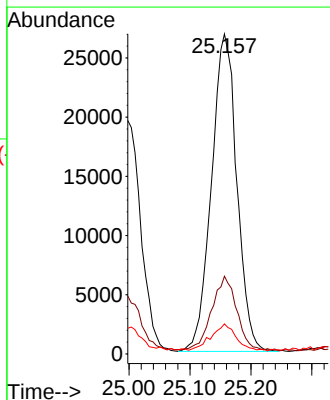
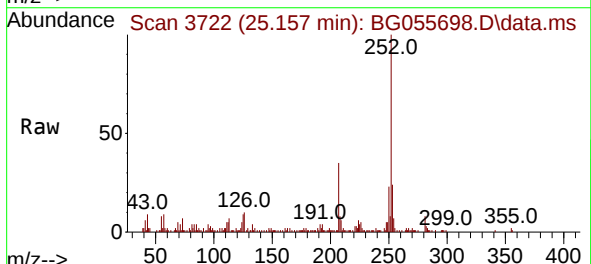
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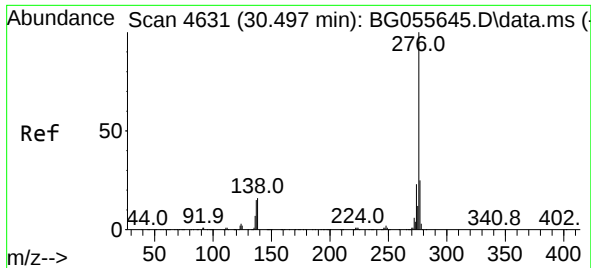
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#90
Benzo(a)pyrene
Concen: 4.982 ng
RT: 25.157 min Scan# 3722
Delta R.T. -0.012 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:252 Resp: 77565
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 9.4 6.4 9.6





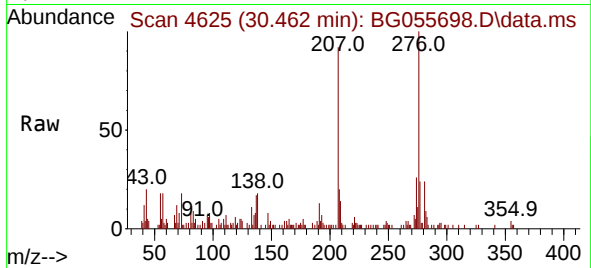
#92
 Benzo(g,h,i)perylene
 Concen: 2.822 ng
 RT: 30.462 min Scan# 4625
 Delta R.T. -0.035 min
 Lab File: BG055698.D
 Acq: 18 Nov 2022 20:16

Instrument :

BNA_G

ClientSampleId :

ETGI-358



Tgt Ion:	276	Resp:	53039
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.8	29.6
138	17.9	13.1	19.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

