

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055753.D
 Acq On : 23 Nov 2022 00:07
 Operator : CG/JU
 Sample : N5664-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

Quant Time: Nov 23 01:42:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.246	152	44279	20.000	ng	0.00
21) Naphthalene-d8	11.072	136	185523	20.000	ng	0.00
39) Acenaphthene-d10	14.868	164	116877	20.000	ng	0.00
64) Phenanthrene-d10	17.611	188	238677	20.000	ng	0.00
76) Chrysene-d12	21.912	240	220034	20.000	ng	0.00
86) Perylene-d12	25.338	264	218689	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.778	112	239837	97.904	ng	0.00
7) Phenol-d6	7.388	99	316082	96.929	ng	0.00
23) Nitrobenzene-d5	9.415	82	202040	57.560	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	131382	79.830	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	411644	52.764	ng	0.00
79) Terphenyl-d14	20.197	244	526620	47.870	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.125	128	34640	3.454	ng	97
49) Acenaphthylene	14.597	152	44591m	4.090	ng	
52) Acenaphthene	14.932	154	15538	2.181	ng	96
55) Dibenzofuran	15.261	168	24304	2.211	ng	# 93
58) Fluorene	15.907	166	41566	4.735	ng	98
71) Phenanthrene	17.652	178	448897	34.852	ng	99
72) Anthracene	17.741	178	132572m	10.594	ng	
74) Di-n-butylphthalate	18.546	149	30510	2.184	ng	# 92
75) Fluoranthene	19.656	202	735740	46.954	ng	99
78) Pyrene	20.014	202	832958	55.927	ng	97
80) Butylbenzylphthalate	20.878	149	23785	4.079	ng	96
81) Benzo(a)anthracene	21.895	228	401062	26.464	ng	# 94
83) Chrysene	21.959	228	415775m	28.818	ng	
84) Bis(2-ethylhexyl)phtha...	21.759	149	119830	14.301	ng	99
87) Indeno(1,2,3-cd)pyrene	29.268	276	114293	6.380	ng	# 84
88) Benzo(b)fluoranthene	24.245	252	352525	24.752	ng	# 92
89) Benzo(k)fluoranthene	24.304	252	183952m	12.957	ng	
90) Benzo(a)pyrene	25.173	252	311990	25.528	ng	# 91
92) Benzo(g,h,i)perylene	30.514	276	100493	6.811	ng	94

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

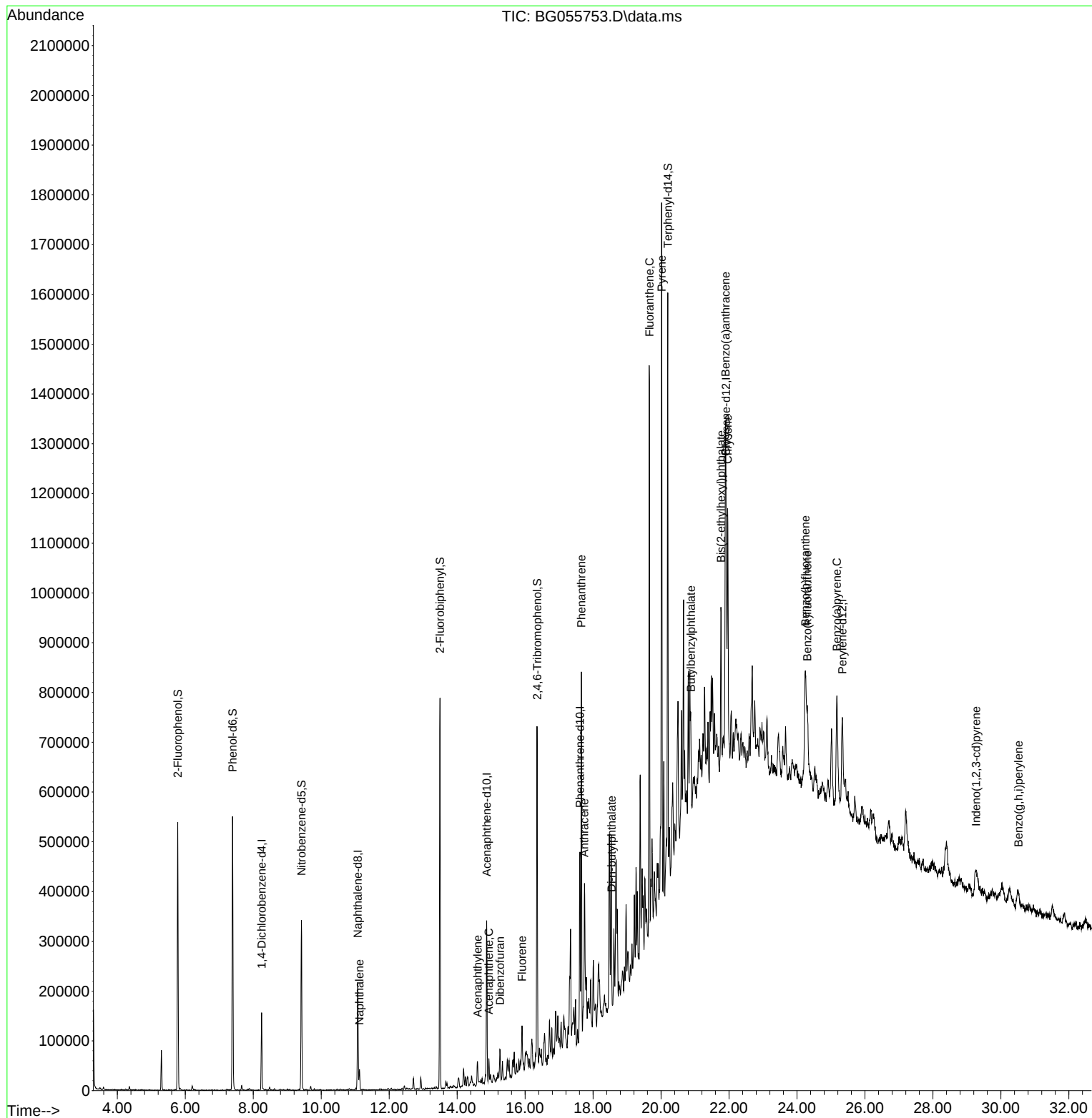
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055753.D
Acq On : 23 Nov 2022 00:07
Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

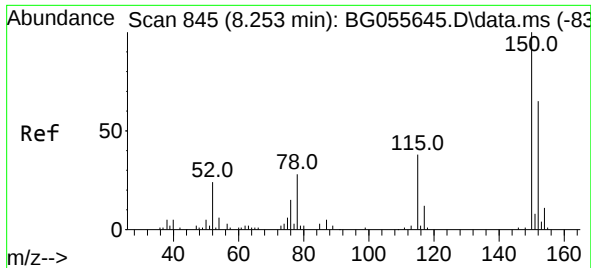
Instrument :
BNA_G
ClientSampleId :
B-2

Quant Time: Nov 23 01:42:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 01:35:20 2022
Response via : Initial Calibration

Manual Integrations
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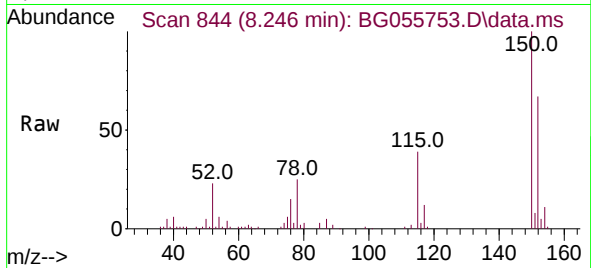
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.246 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

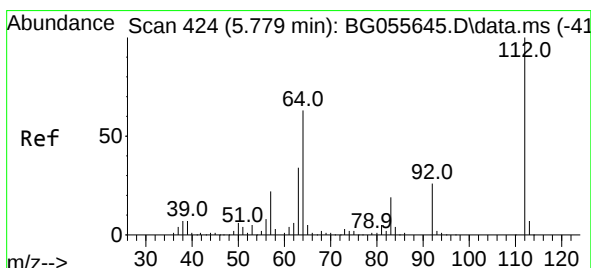
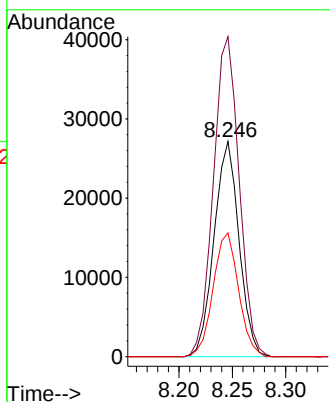
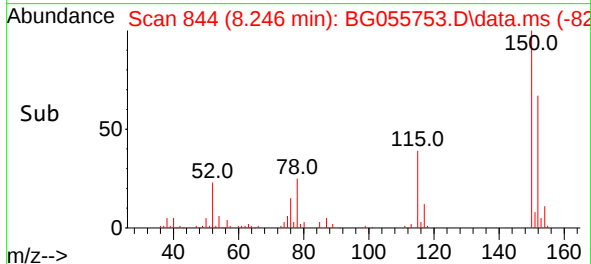
Instrument :
BNA_G
ClientSampleId :
B-2



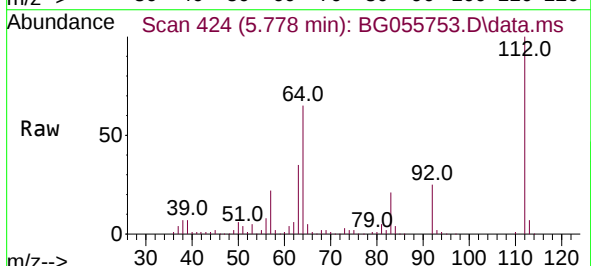
Tgt Ion:152 Resp: 44279
Ion Ratio Lower Upper
152 100
150 148.8 123.0 184.6
115 57.6 47.0 70.4

Manual Integrations
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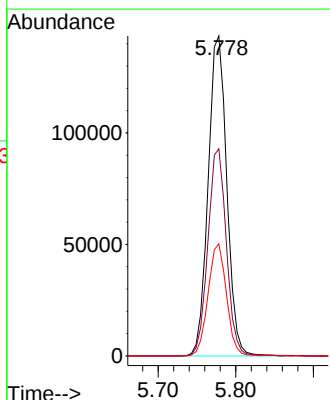
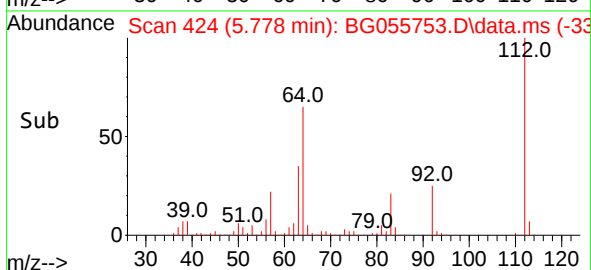
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#5
2-Fluorophenol
Concen: 97.904 ng
RT: 5.778 min Scan# 424
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07



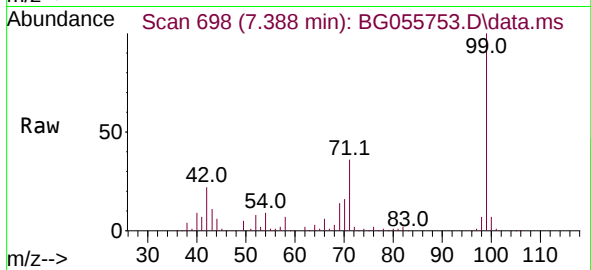
Tgt Ion:112 Resp: 239837
Ion Ratio Lower Upper
112 100
64 64.8 50.6 76.0
63 35.0 27.5 41.3





#7
Phenol-d6
Concen: 96.929 ng
RT: 7.388 min Scan# 698
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

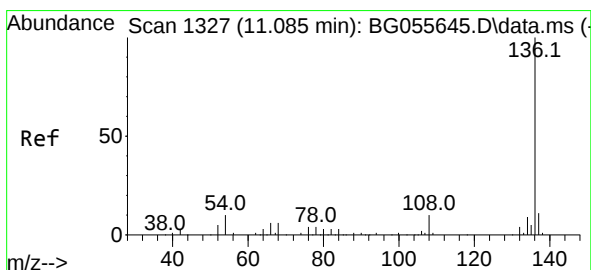
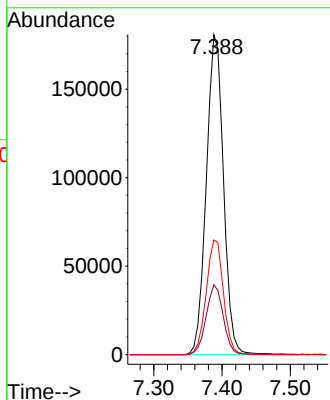
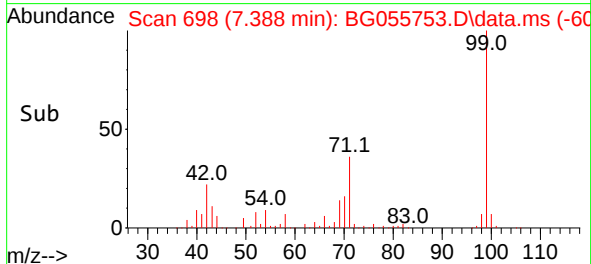
Instrument :
BNA_G
ClientSampleId :
B-2



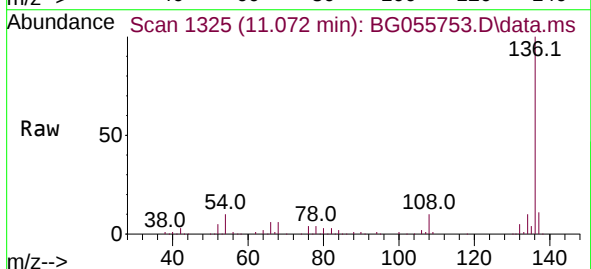
Tgt Ion: 99 Resp: 316082
Ion Ratio Lower Upper
99 100
42 21.8 18.0 27.0
71 35.8 29.0 43.6

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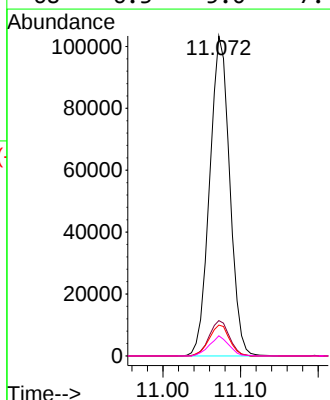
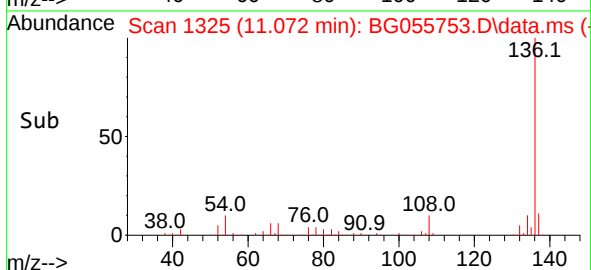
Reviewed By :Christian Giraldo 11/23/2022
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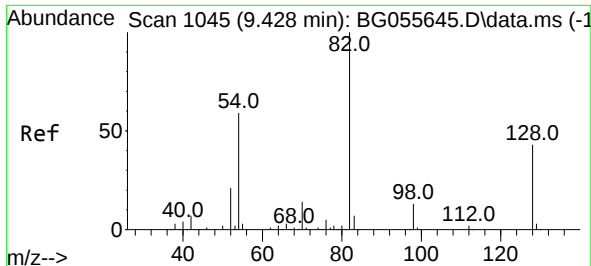


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.072 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07



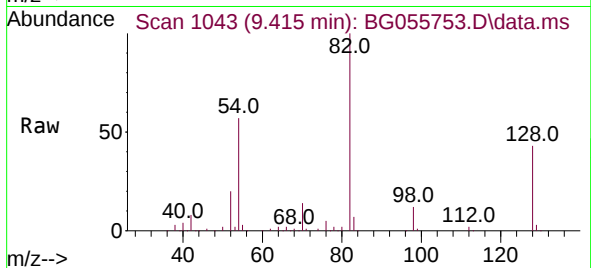
Tgt Ion:136 Resp: 185523
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 9.6 7.8 11.6
68 6.3 5.0 7.4





#23
Nitrobenzene-d5
Concen: 57.560 ng
RT: 9.415 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

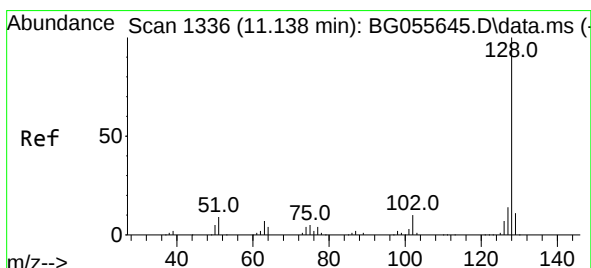
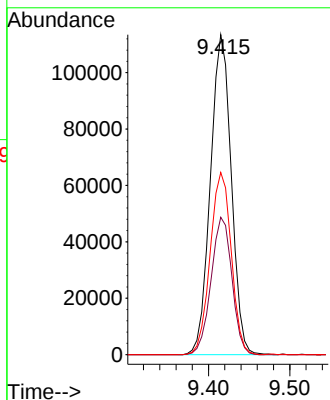
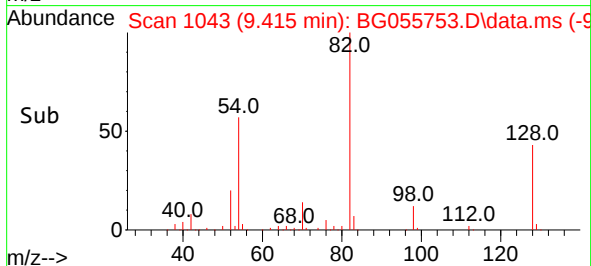
Instrument :
BNA_G
ClientSampleId :
B-2



Tgt Ion: 82 Resp: 202040
Ion Ratio Lower Upper
82 100
128 42.9 34.1 51.1
54 56.9 47.3 70.9

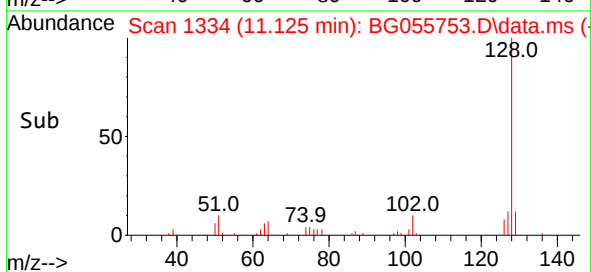
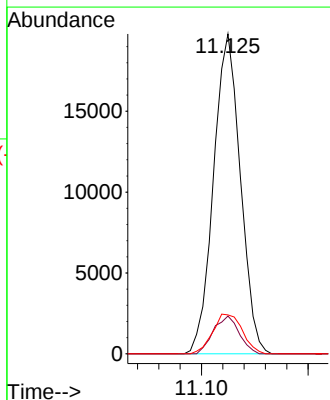
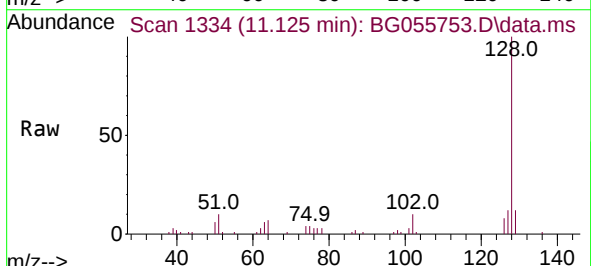
Manual Integrations
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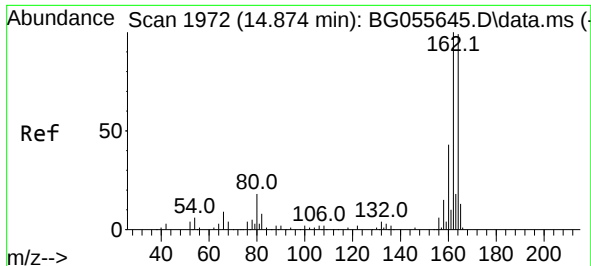
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#31
Naphthalene
Concen: 3.454 ng
RT: 11.125 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

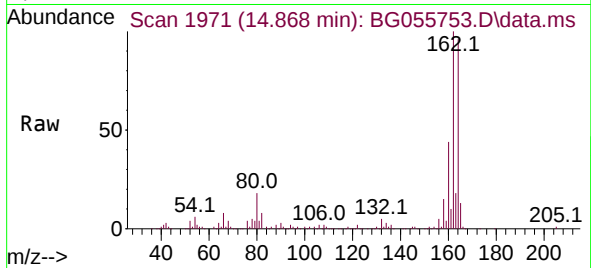
Tgt Ion:128 Resp: 34640
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 12.2 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.868 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

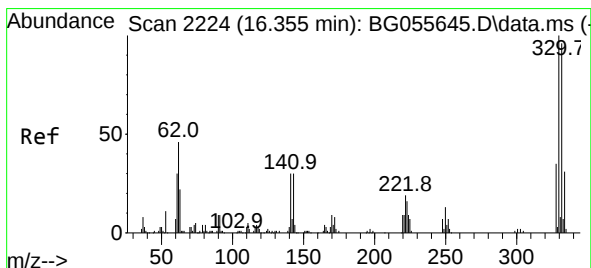
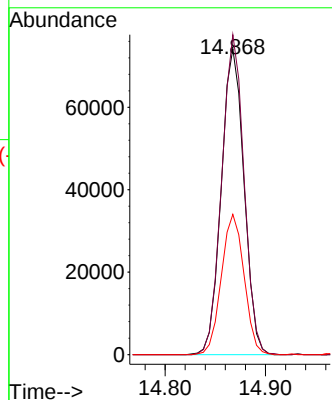
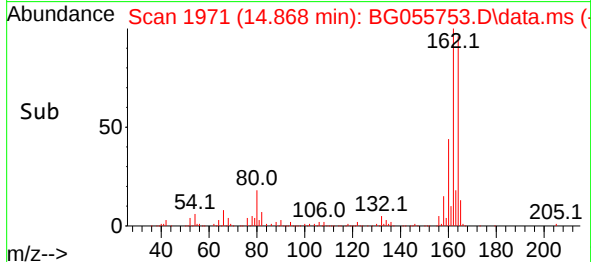
Instrument :
BNA_G
ClientSampleId :
B-2



Tgt Ion:164 Resp: 116872
Ion Ratio Lower Upper
164 100
162 104.6 81.1 121.7
160 45.8 34.8 52.2

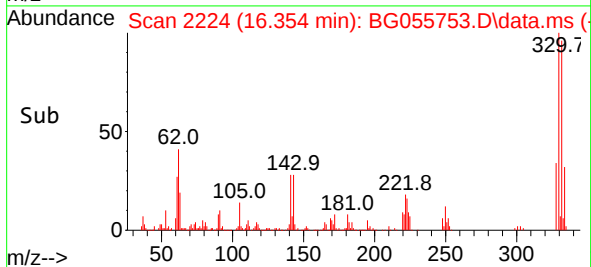
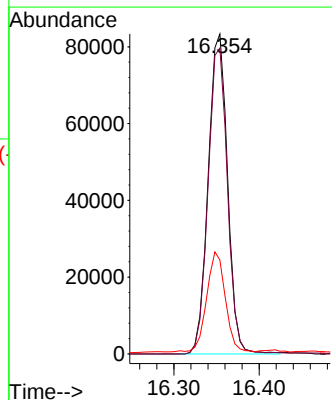
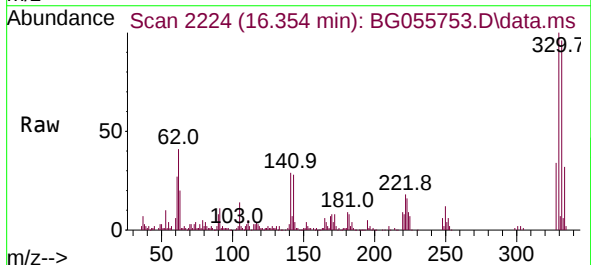
Manual Integrations
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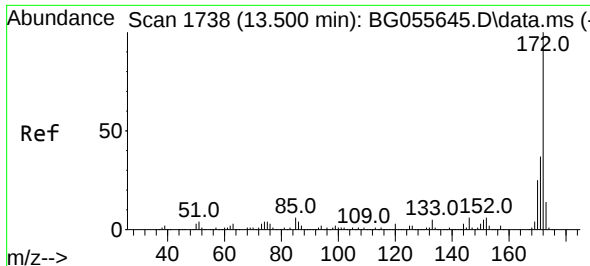
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#42
2,4,6-Tribromophenol
Concen: 79.830 ng
RT: 16.354 min Scan# 2224
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

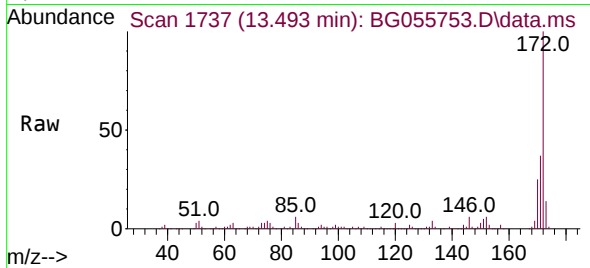
Tgt Ion:330 Resp: 131382
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.8
141 30.1 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 52.764 ng
RT: 13.493 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

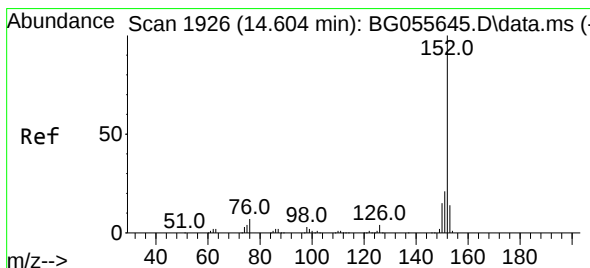
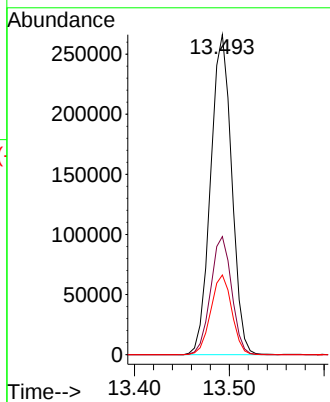
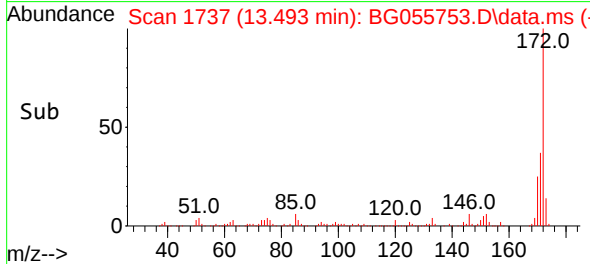
Instrument :
BNA_G
ClientSampleId :
B-2



Tgt Ion:172 Resp: 411644
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 24.9 20.2 30.4

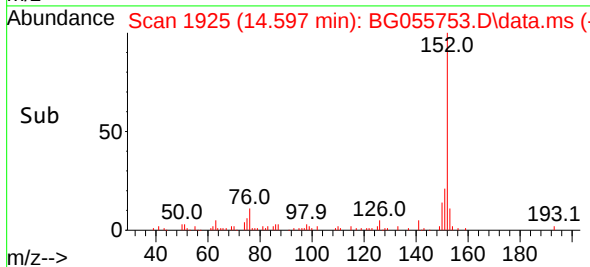
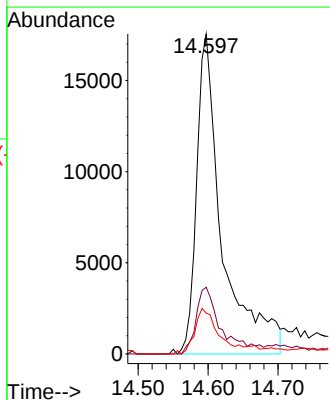
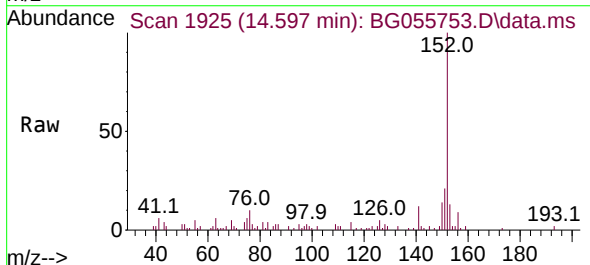
Manual Integrations
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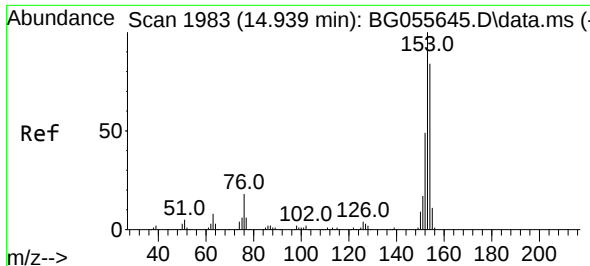
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#49
Acenaphthylene
Concen: 4.090 ng m
RT: 14.597 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:152 Resp: 44591
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 12.8 11.0 16.4





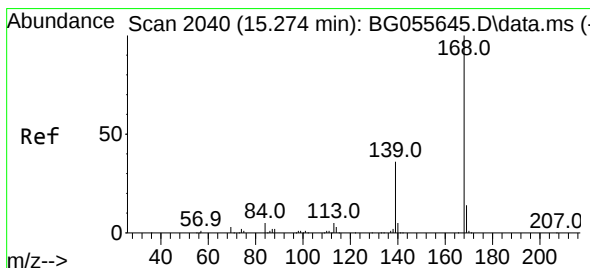
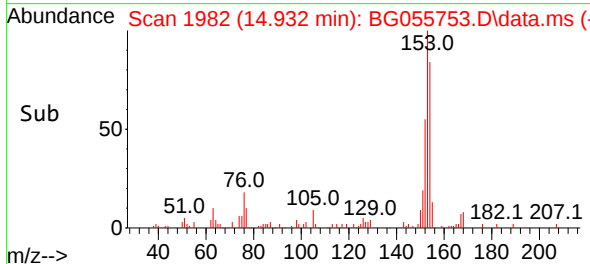
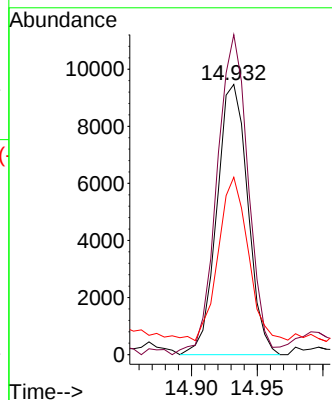
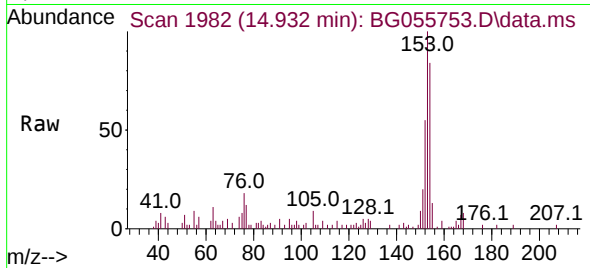
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Acenaphthene
Concen: 2.181 ng
RT: 14.932 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Instrument :
BNA_G
ClientSampleId :
B-2

Tgt Ion:154 Resp: 15538
Ion Ratio Lower Upper
154 100
153 118.4 95.0 142.4
152 65.7 46.1 69.1

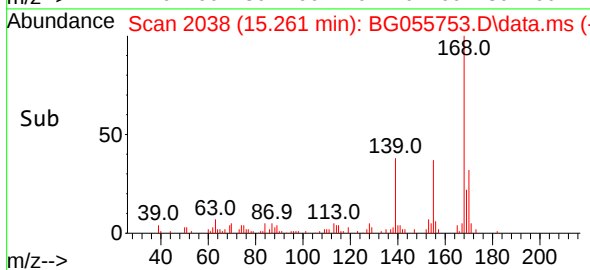
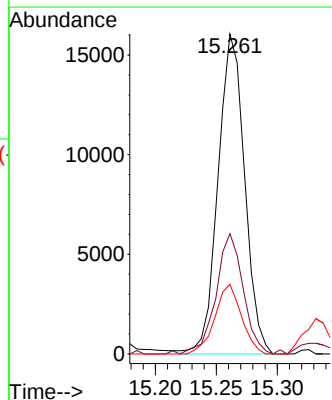
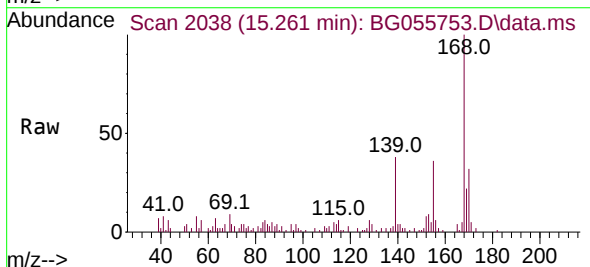
Manual Integrations
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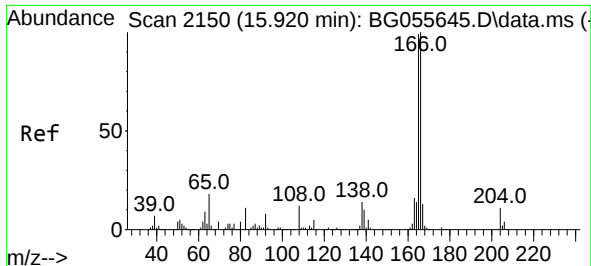
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#55
Dibenzofuran
Concen: 2.211 ng
RT: 15.261 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

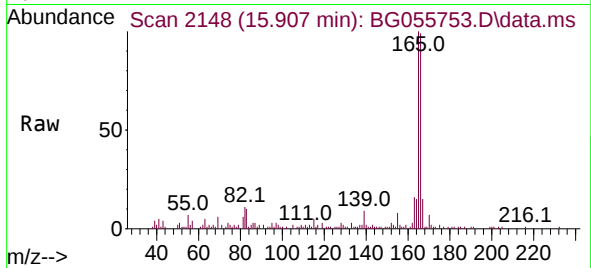
Tgt Ion:168 Resp: 24304
Ion Ratio Lower Upper
168 100
139 37.6 28.8 43.2
169 21.7 11.0 16.4#





#58
Fluorene
Concen: 4.735 ng
RT: 15.907 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

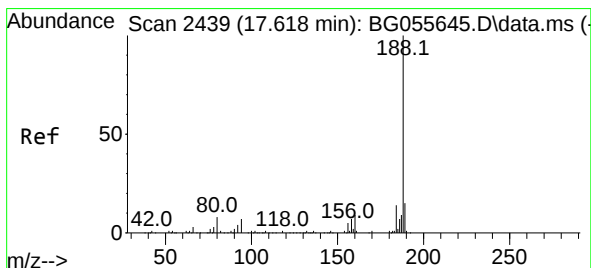
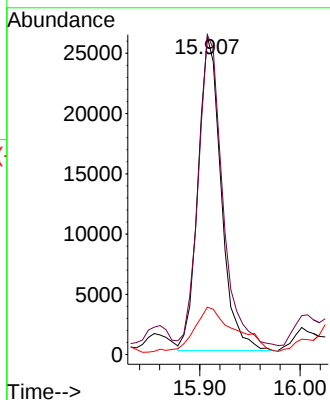
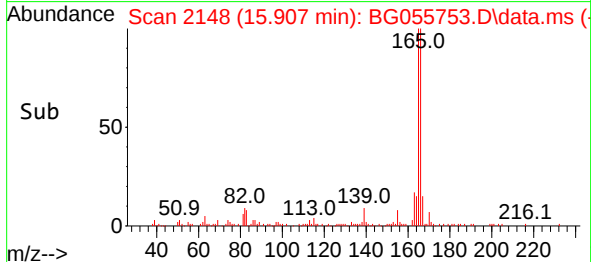
Instrument :
BNA_G
ClientSampleId :
B-2



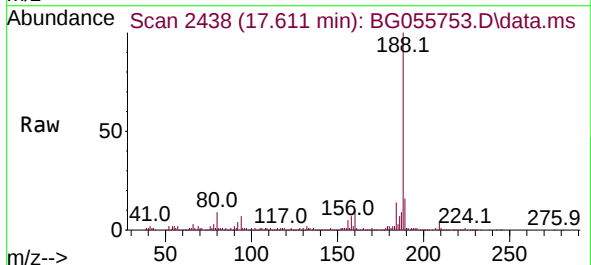
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Ion Ratio Lower Upper
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165 100.6 79.3 118.9
167 14.9 10.6 15.8

Manual Integrations
APPROVED

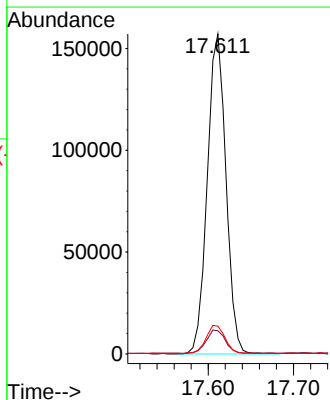
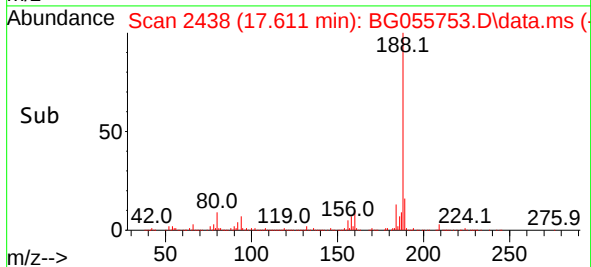
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

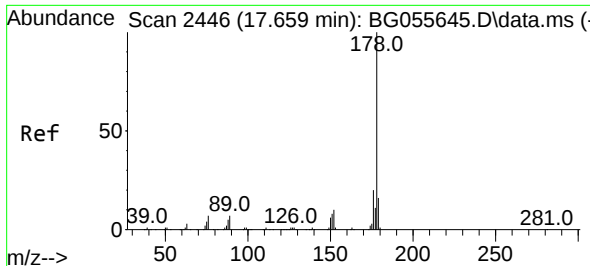


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.611 min Scan# 2438
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07



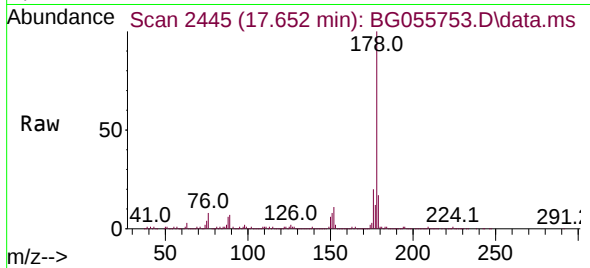
Tgt Ion:188 Resp: 238677
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.7 6.6 10.0





#71
Phenanthrene
Concen: 34.852 ng
RT: 17.652 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

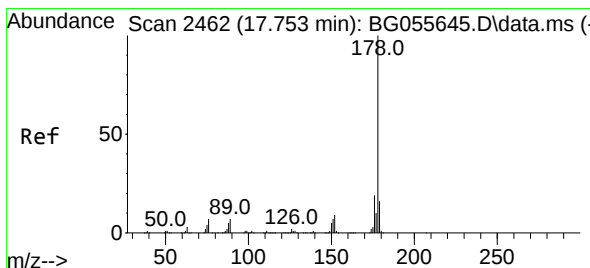
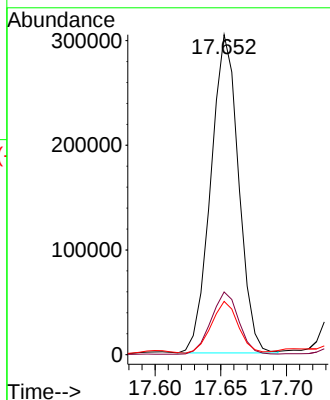
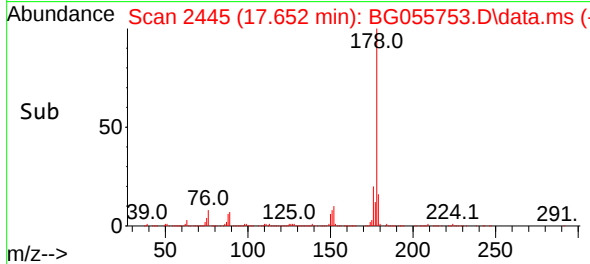
Instrument :
BNA_G
ClientSampleId :
B-2



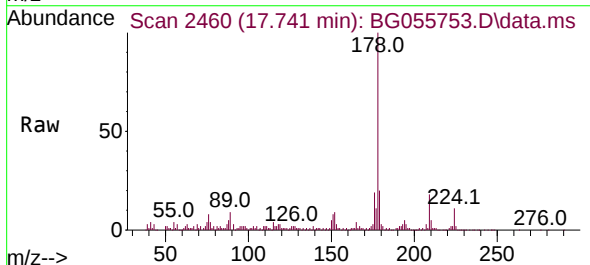
Tgt Ion:178 Resp: 448897
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.6 12.7 19.1

Manual Integrations
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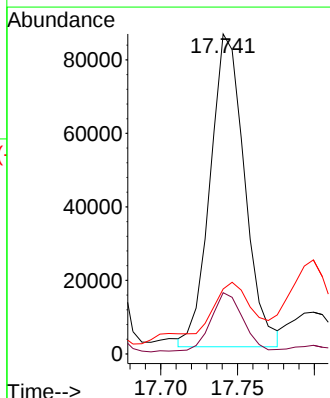
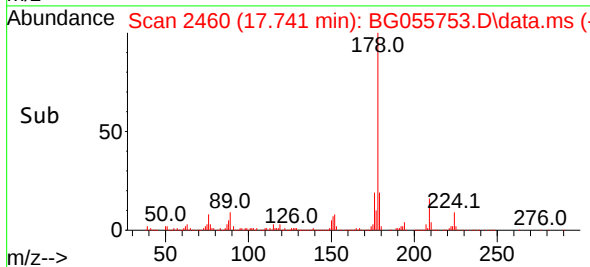
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

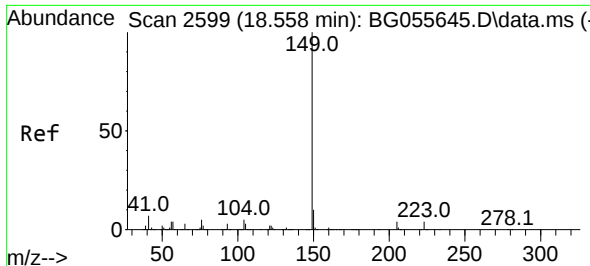


#72
Anthracene
Concen: 10.594 ng m
RT: 17.741 min Scan# 2460
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07



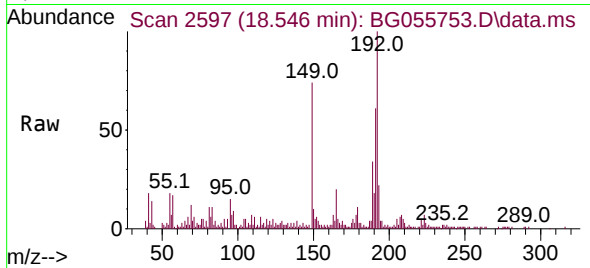
Tgt Ion:178 Resp: 132572
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 20.3 12.5 18.7#





#74
Di-n-butylphthalate
Concen: 2.184 ng
RT: 18.546 min Scan# 2599
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

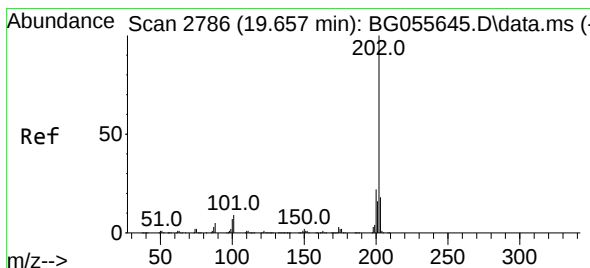
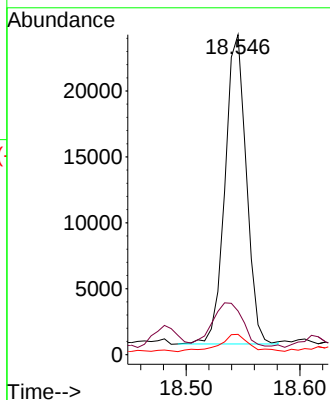
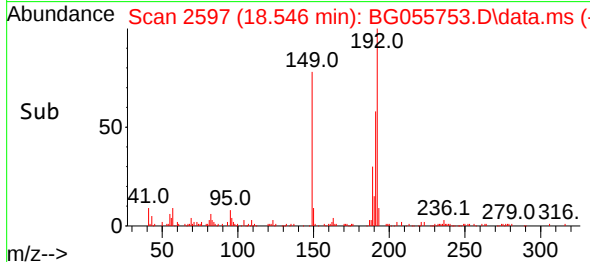
Instrument :
BNA_G
ClientSampleId :
B-2



Tgt Ion:149 Resp: 30510
Ion Ratio Lower Upper
149 100
150 13.6 7.8 11.6
104 6.3 4.0 6.0

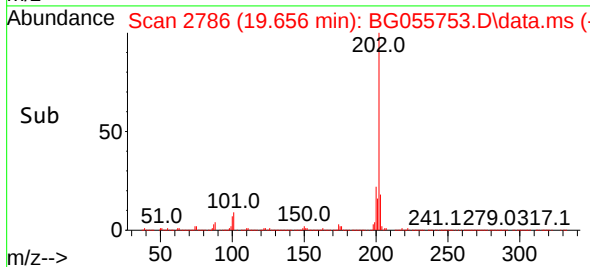
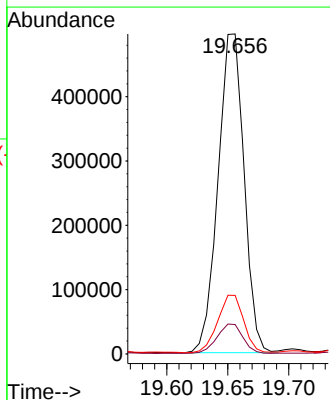
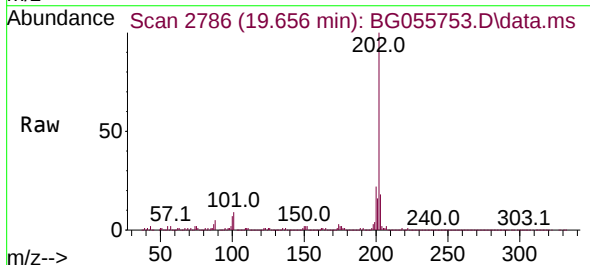
Manual Integrations
APPROVED

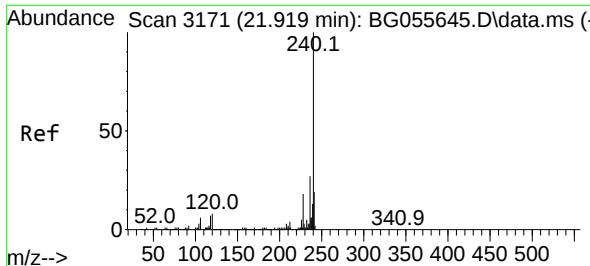
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#75
Fluoranthene
Concen: 46.954 ng
RT: 19.656 min Scan# 2786
Delta R.T. 0.012 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

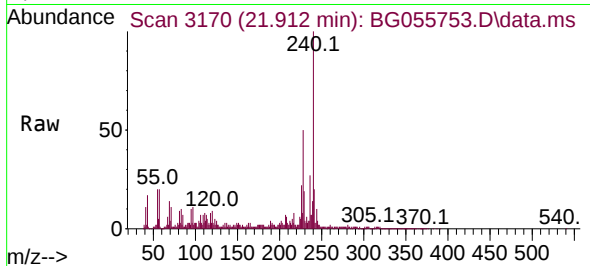
Tgt Ion:202 Resp: 735740
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.8
203 18.3 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.912 min Scan# 3171
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

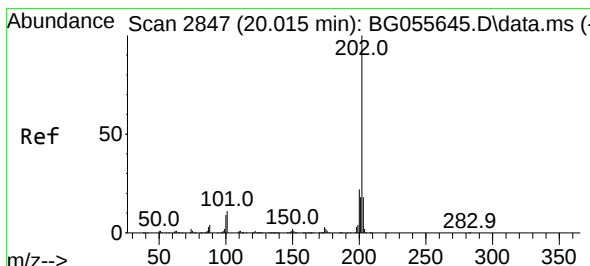
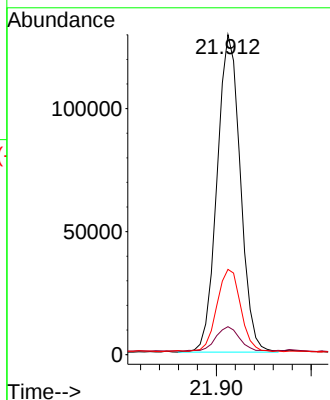
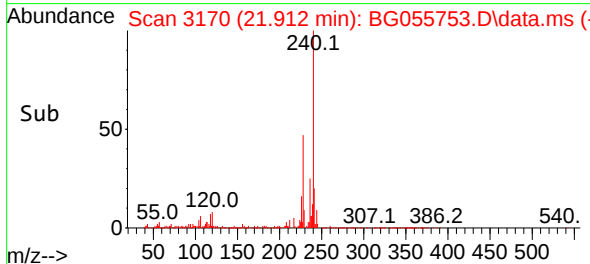
Instrument :
BNA_G
ClientSampleId :
B-2



Tgt Ion:240 Resp: 220034
Ion Ratio Lower Upper
240 100
120 8.7 6.3 9.5
236 26.6 21.9 32.9

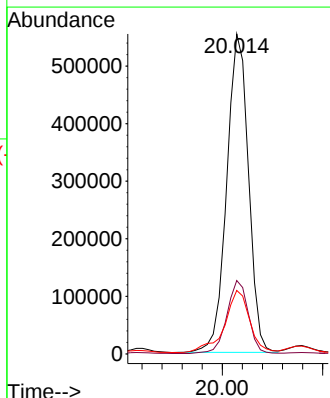
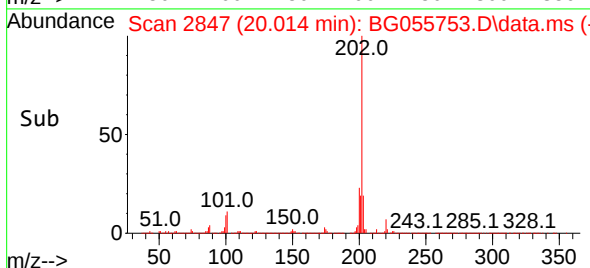
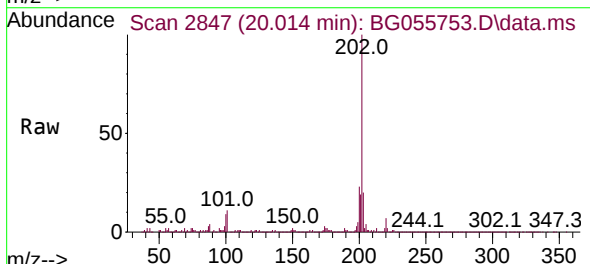
Manual Integrations
APPROVED

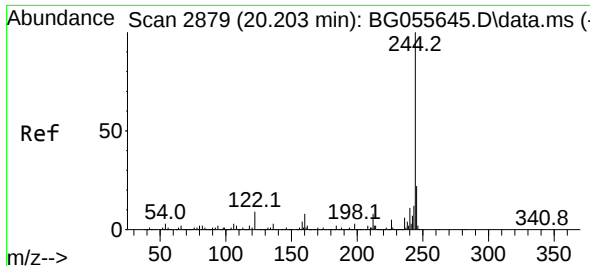
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#78
Pyrene
Concen: 55.927 ng
RT: 20.014 min Scan# 2847
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

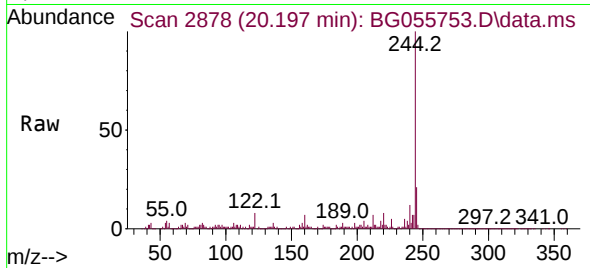
Tgt Ion:202 Resp: 832958
Ion Ratio Lower Upper
202 100
200 22.9 17.8 26.6
203 19.8 14.4 21.6





#79
 Terphenyl-d14
 Concen: 47.870 ng
 RT: 20.197 min Scan# 2879
 Delta R.T. 0.006 min
 Lab File: BG055753.D
 Acq: 23 Nov 2022 00:07

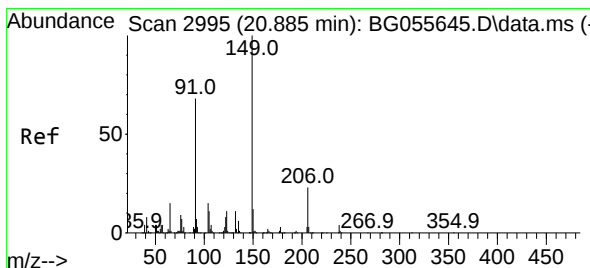
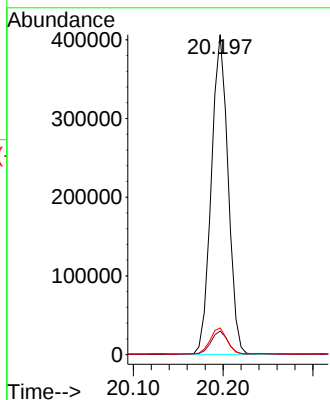
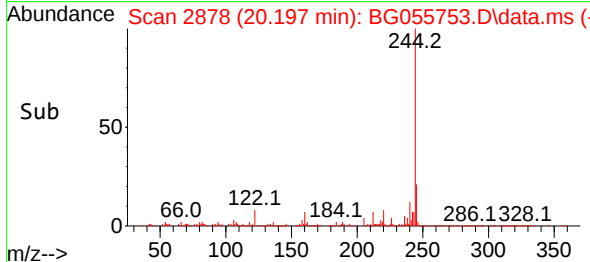
Instrument :
 BNA_G
 ClientSampleId :
 B-2



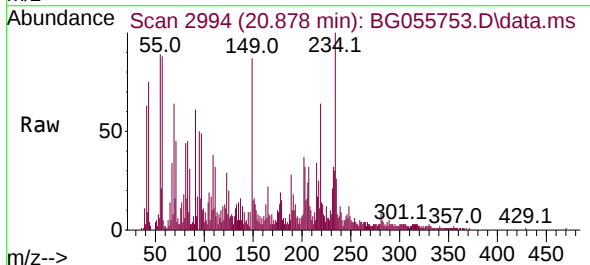
Tgt Ion:244 Resp: 526620
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.3 9.5
 122 8.3 6.9 10.3

Manual Integrations
 APPROVED

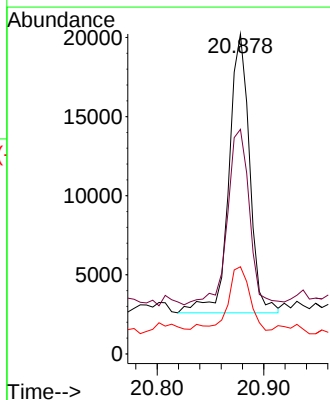
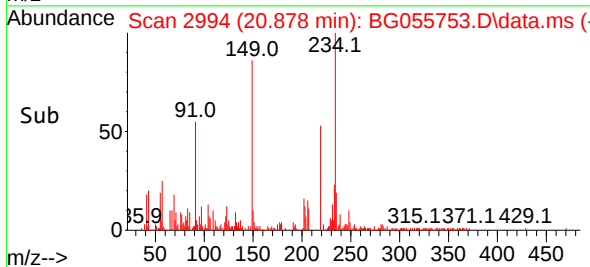
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

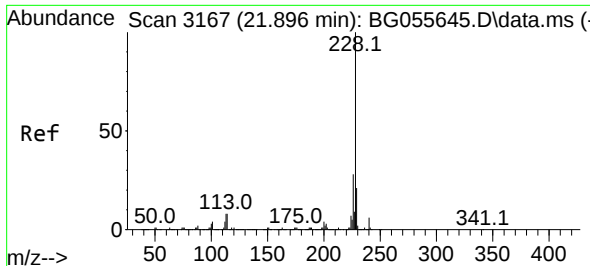


#80
 Butylbenzylphthalate
 Concen: 4.079 ng
 RT: 20.878 min Scan# 2994
 Delta R.T. 0.006 min
 Lab File: BG055753.D
 Acq: 23 Nov 2022 00:07



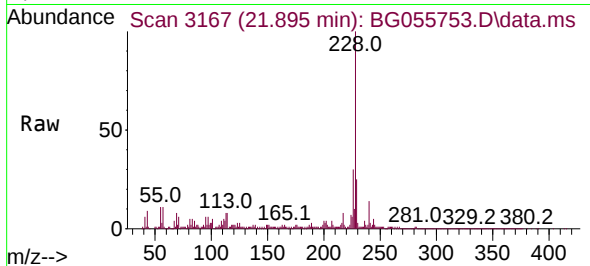
Tgt Ion:149 Resp: 23785
 Ion Ratio Lower Upper
 149 100
 91 70.2 54.6 81.8
 206 27.2 18.3 27.5





#81
Benzo(a)anthracene
Concen: 26.464 ng
RT: 21.895 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

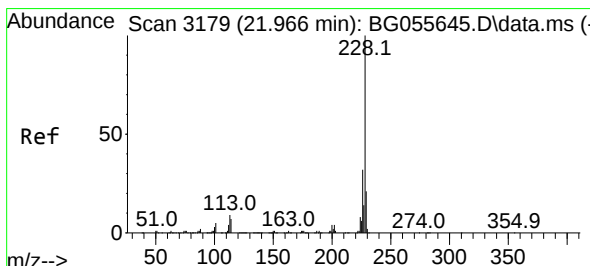
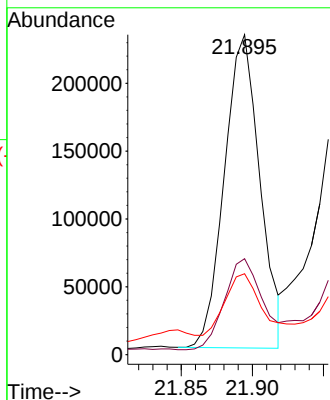
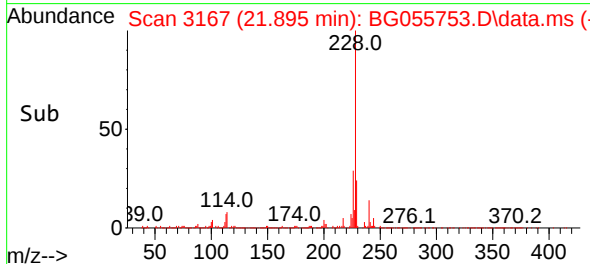
Instrument :
BNA_G
ClientSampleId :
B-2



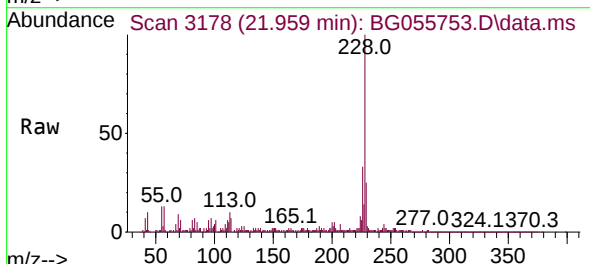
Tgt Ion:228 Resp: 401062
Ion Ratio Lower Upper
228 100
226 30.0 22.7 34.1
229 25.3 16.5 24.7

Manual Integrations
APPROVED

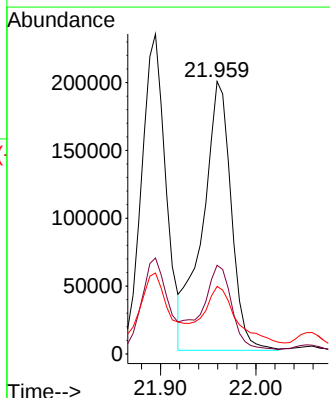
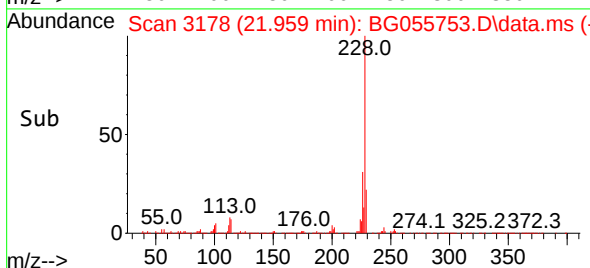
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

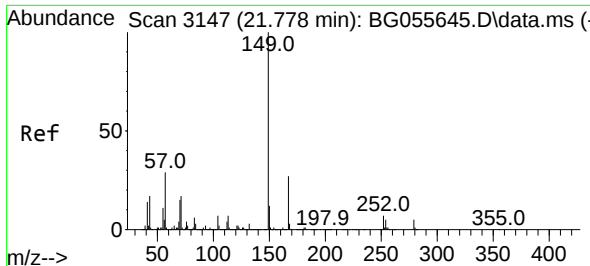


#83
Chrysene
Concen: 28.818 ng m
RT: 21.959 min Scan# 3178
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07



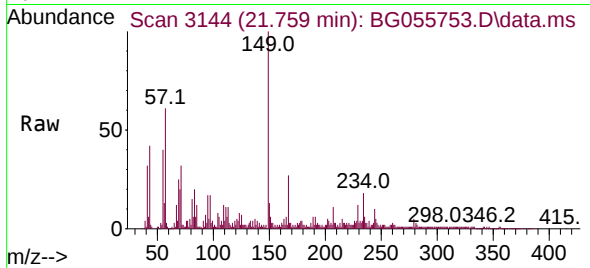
Tgt Ion:228 Resp: 415775
Ion Ratio Lower Upper
228 100
226 32.5 25.4 38.2
229 24.8 17.1 25.7





#84
Bis(2-ethylhexyl)phthalate
Concen: 14.301 ng
RT: 21.759 min Scan# 3147
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

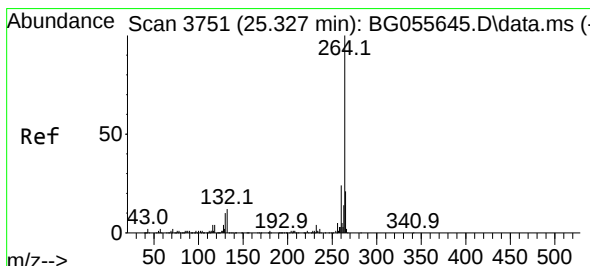
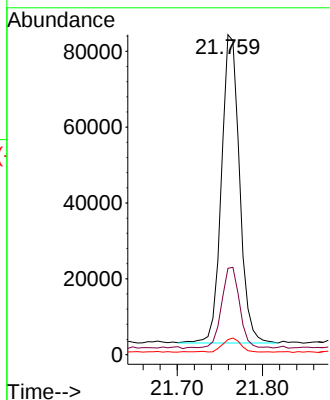
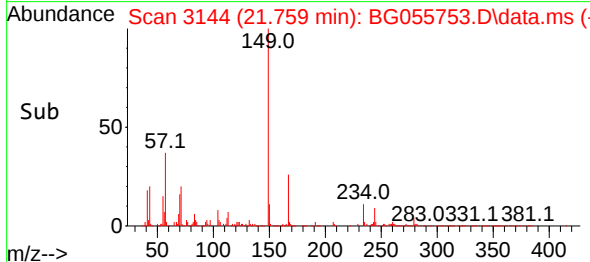
Instrument :
BNA_G
ClientSampleId :
B-2



Tgt Ion:149 Resp: 119830
Ion Ratio Lower Upper
149 100
167 27.0 22.0 33.0
279 4.7 3.7 5.5

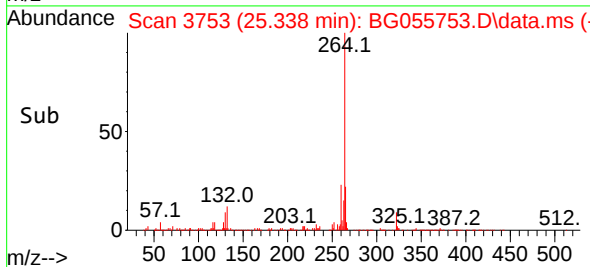
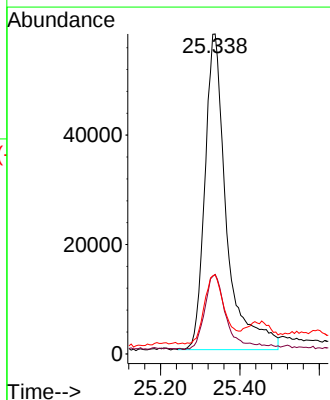
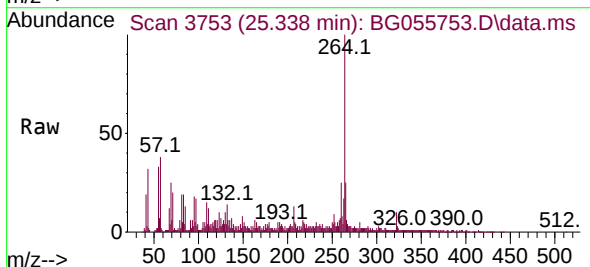
Manual Integrations
APPROVED

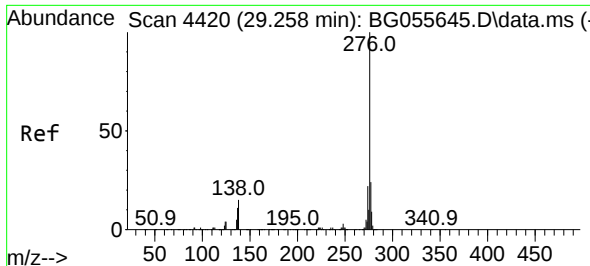
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.338 min Scan# 3753
Delta R.T. 0.035 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

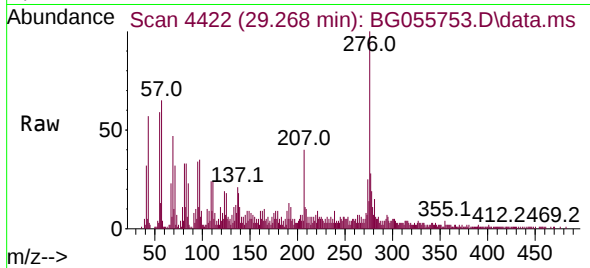
Tgt Ion:264 Resp: 218689
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 24.8 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.380 ng
RT: 29.268 min Scan# 4420
Delta R.T. 0.035 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

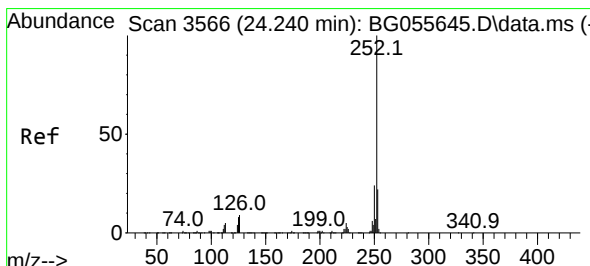
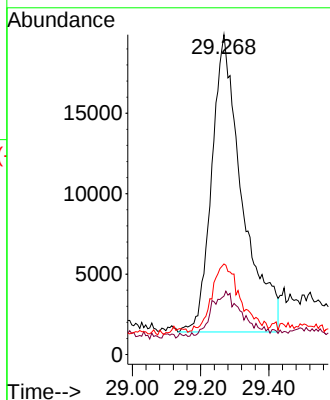
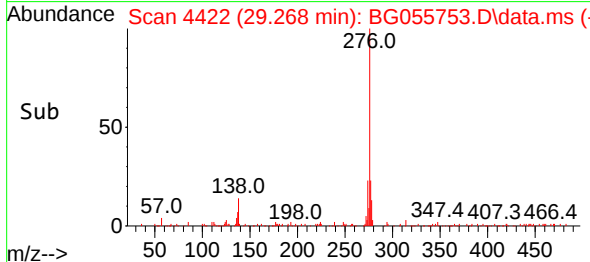
Instrument :
BNA_G
ClientSampleId :
B-2



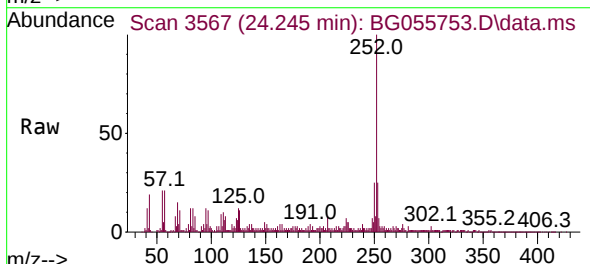
Tgt Ion: 276 Resp: 114293
Ion Ratio Lower Upper
276 100
138 0.0 10.4 15.6
277 21.4 20.2 30.4

Manual Integrations
APPROVED

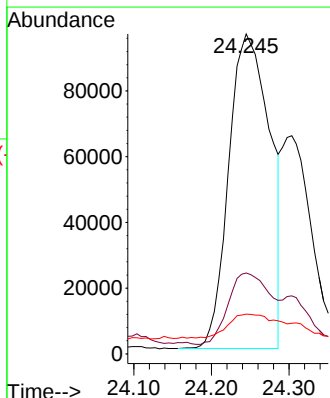
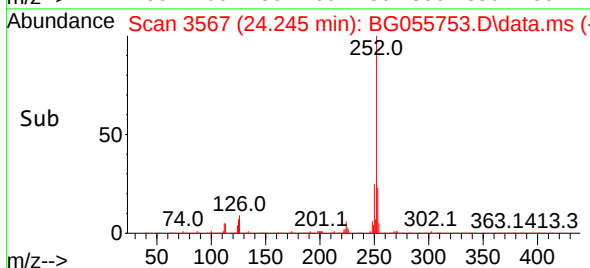
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022

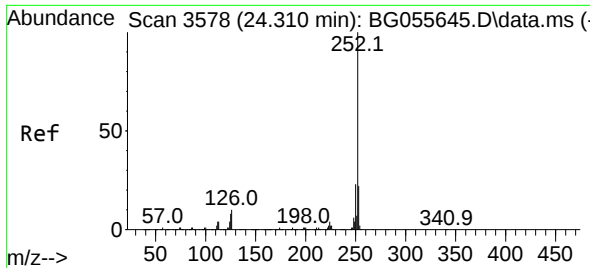


#88
Benzo(b)fluoranthene
Concen: 24.752 ng
RT: 24.245 min Scan# 3567
Delta R.T. 0.023 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07



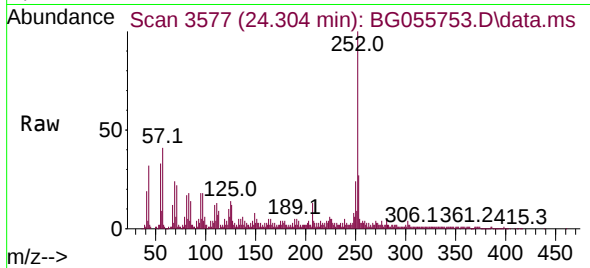
Tgt Ion: 252 Resp: 352525
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 12.4 6.2 9.2#





#89
Benzo(k)fluoranthene
Concen: 12.957 ng m
RT: 24.304 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

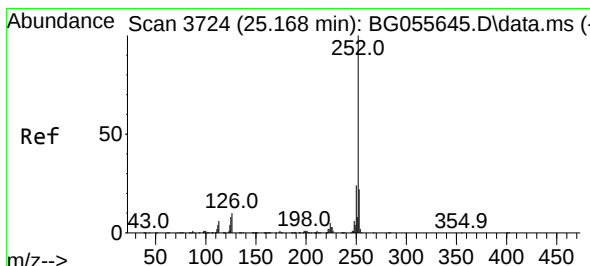
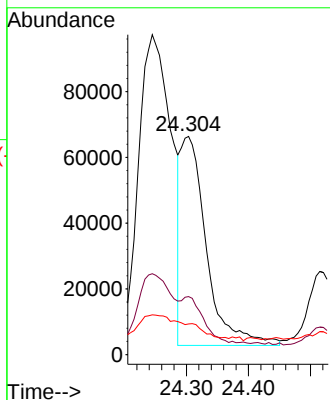
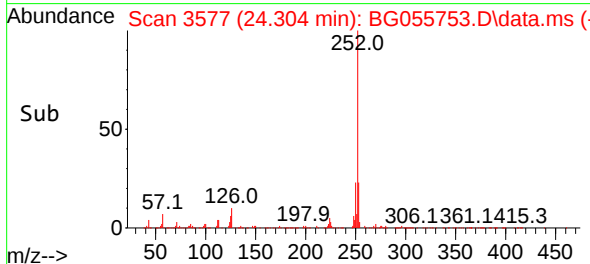
Instrument :
BNA_G
ClientSampleId :
B-2



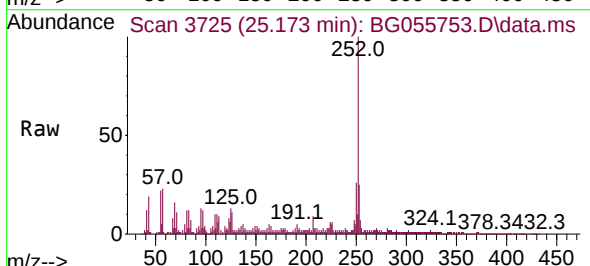
Tgt Ion:252 Resp: 183952
Ion Ratio Lower Upper
252 100
253 26.6 17.8 26.6
125 14.1 6.1 9.1

Manual Integrations
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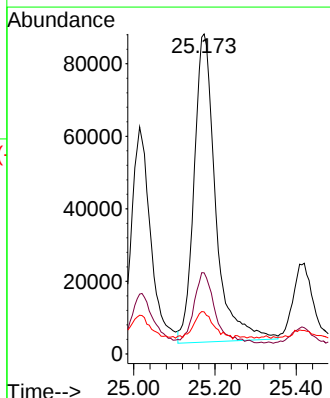
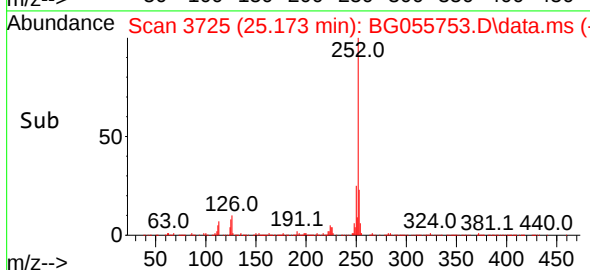
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

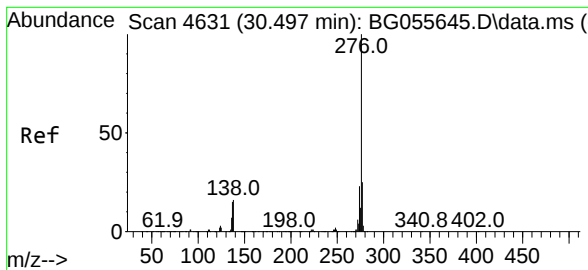


#90
Benzo(a)pyrene
Concen: 25.528 ng
RT: 25.173 min Scan# 3725
Delta R.T. 0.024 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07



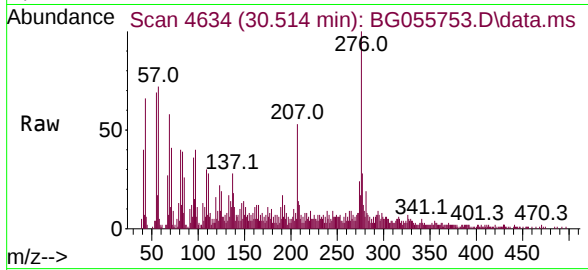
Tgt Ion:252 Resp: 311990
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 13.1 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.811 ng
 RT: 30.514 min Scan# 4634
 Delta R.T. 0.053 min
 Lab File: BG055753.D
 Acq: 23 Nov 2022 00:07

Instrument :
 BNA_G
 ClientSampleId :
 B-2



Tgt Ion:276 Resp: 100493
 Ion Ratio Lower Upper
 276 100
 277 28.0 19.8 29.6
 138 18.3 13.1 19.7

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

