

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055755.D
 Acq On : 23 Nov 2022 1:29
 Operator : CG/JU
 Sample : N5751-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

Manual Integrations
 APPROVED

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

Quant Time: Nov 23 02:52:15 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	8.247	152	52966	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	207983	20.000	ng	0.00
39) Acenaphthene-d10	14.869	164	130709	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	263214	20.000	ng	0.00
76) Chrysene-d12	21.914	240	244580	20.000	ng	0.00
86) Perylene-d12	25.339	264	206580	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.780	112	137749	47.008	ng	0.00
7) Phenol-d6	7.395	99	176246	45.183	ng	0.00
23) Nitrobenzene-d5	9.417	82	110764	28.148	ng	0.00
42) 2,4,6-Tribromophenol	16.356	330	79967	43.447	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	260909	29.904	ng	0.00
79) Terphenyl-d14	20.198	244	343630	28.101	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.654	178	123687	8.708	ng	98
75) Fluoranthene	19.652	202	284833	16.483	ng	99
78) Pyrene	20.016	202	252197	15.234	ng	99
81) Benzo(a)anthracene	21.890	228	149452	8.872	ng	99
83) Chrysene	21.961	228	174743m	10.896	ng	
84) Bis(2-ethylhexyl)phtha...	21.767	149	40162	4.312	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.270	276	71186m	4.206	ng	
88) Benzo(b)fluoranthene	24.246	252	218201	16.219	ng	# 93
89) Benzo(k)fluoranthene	24.305	252	82386m	6.143	ng	
90) Benzo(a)pyrene	25.175	252	126217	10.933	ng	# 88
92) Benzo(g,h,i)perylene	30.515	276	68028m	4.881	ng	

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

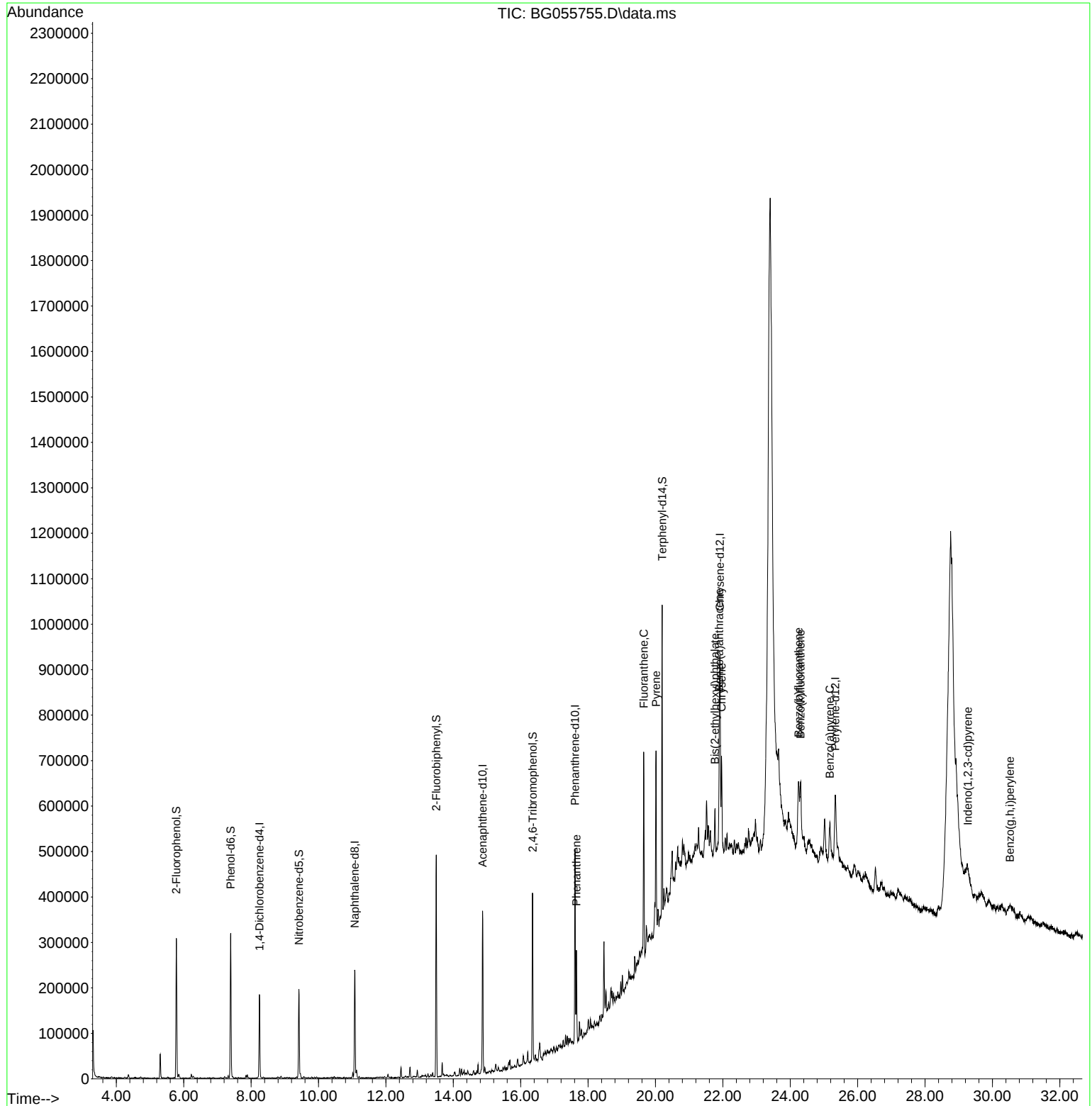
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
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Quant Time: Nov 23 02:52:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 01:35:20 2022
Response via : Initial Calibration

Manual Integrations
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.247 min Scan# 845
Delta R.T. 0.001 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

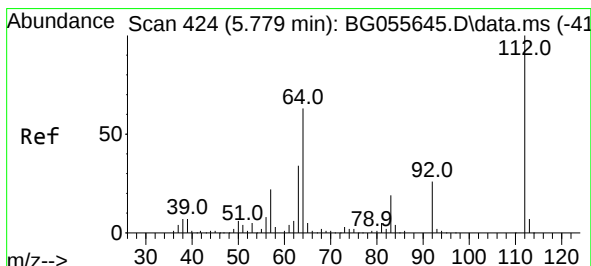
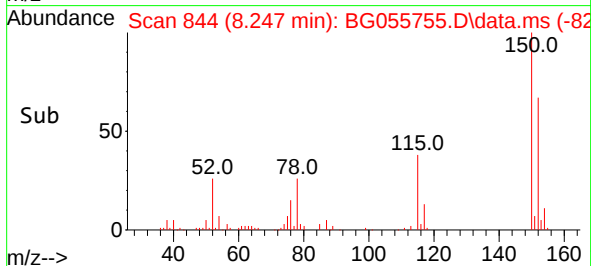
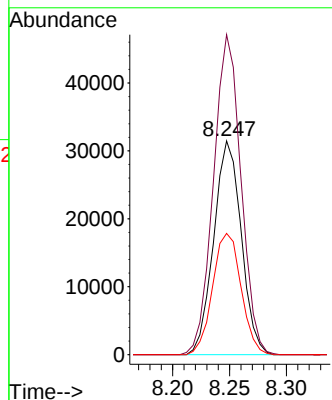
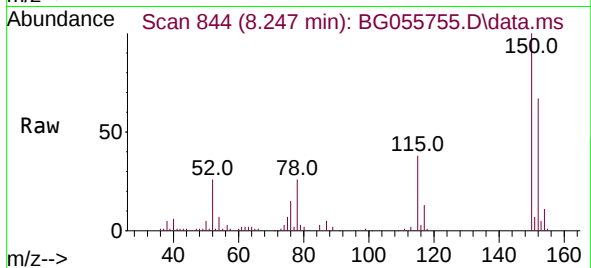
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Tgt Ion:152 Resp: 52966
Ion Ratio Lower Upper
152 100
150 149.7 123.0 184.6
115 56.7 47.0 70.4

Manual Integrations

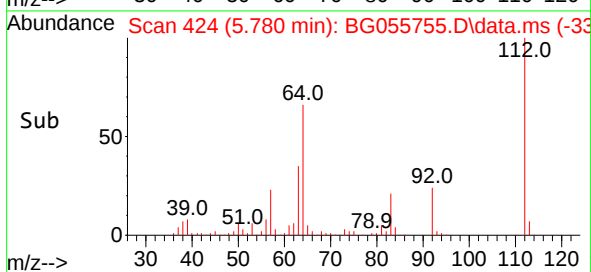
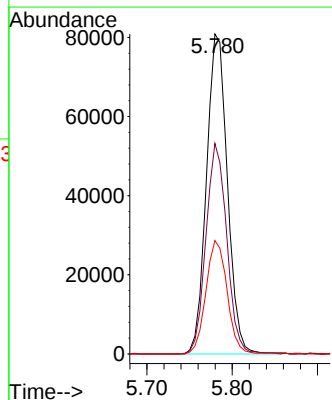
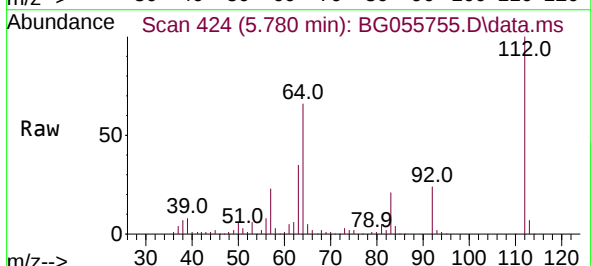
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#5
2-Fluorophenol
Concen: 47.008 ng
RT: 5.780 min Scan# 424
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:112 Resp: 137749
Ion Ratio Lower Upper
112 100
64 65.8 50.6 76.0
63 35.4 27.5 41.3





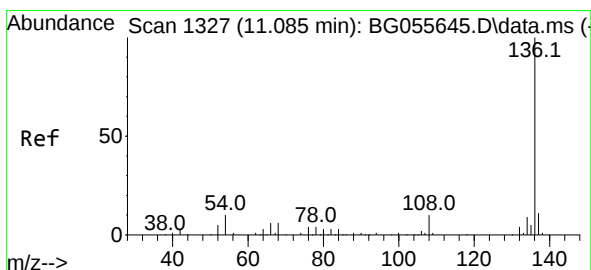
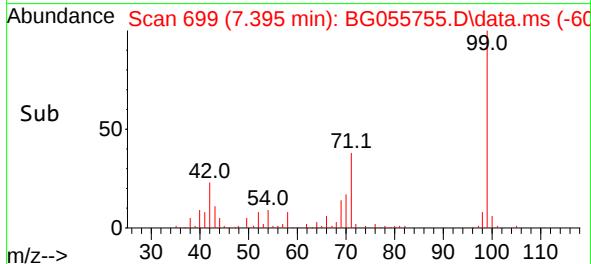
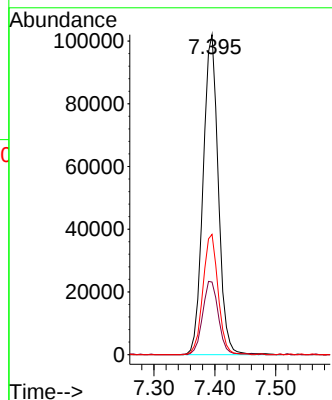
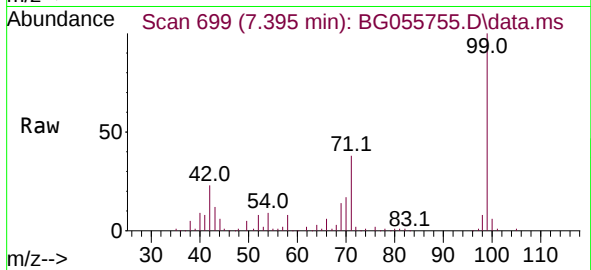
#7
Phenol-d6
Concen: 45.183 ng
RT: 7.395 min Scan# 699
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tgt Ion: 99 Resp: 176246
Ion Ratio Lower Upper
99 100
42 22.7 18.0 27.0
71 37.6 29.0 43.6

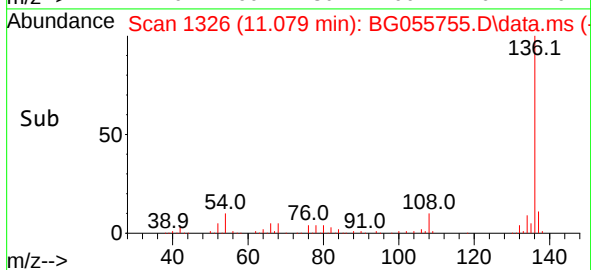
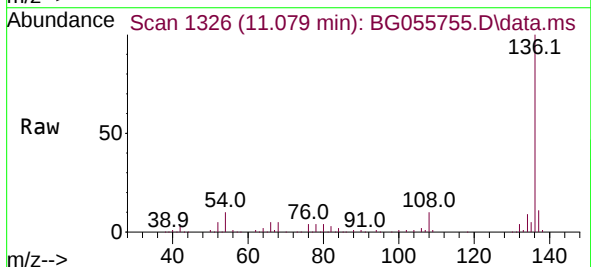
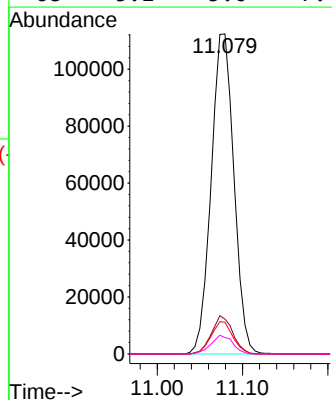
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 1326
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:136 Resp: 207983
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 9.9 7.8 11.6
68 5.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 28.148 ng

RT: 9.417 min Scan# 1043

Delta R.T. 0.002 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

Tgt Ion: 82 Resp: 110764

Ion Ratio Lower Upper

82 100

128 41.2 34.1 51.1

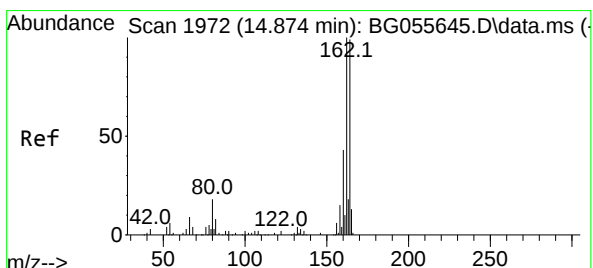
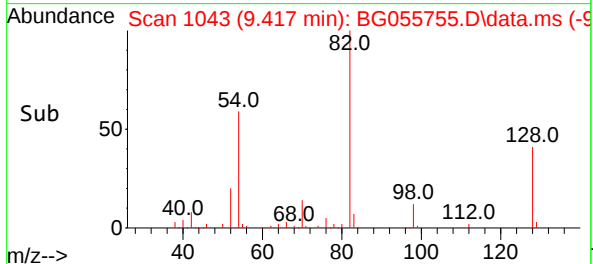
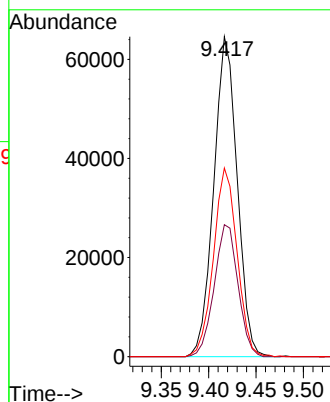
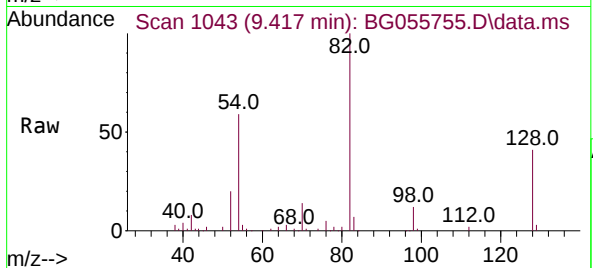
54 58.9 47.3 70.9

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Supervised By :Jagrut Upadhyay 11/23/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.869 min Scan# 1971

Delta R.T. 0.002 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

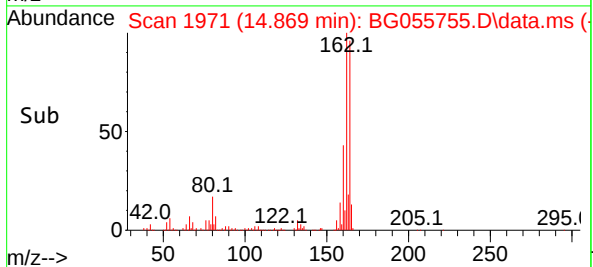
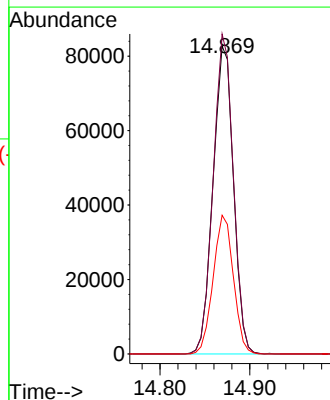
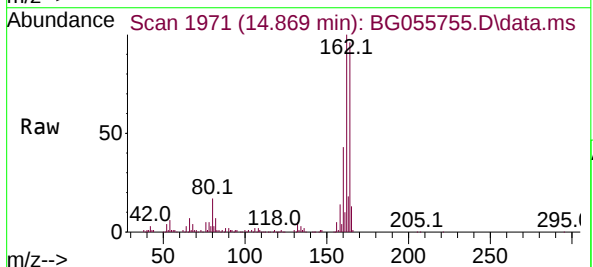
Tgt Ion:164 Resp: 130709

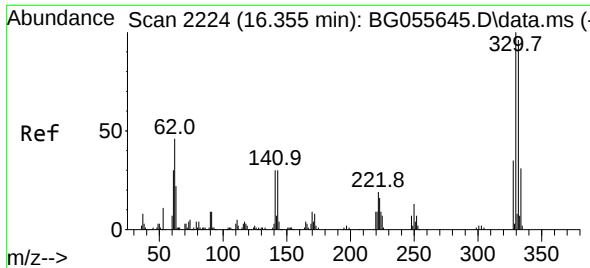
Ion Ratio Lower Upper

164 100

162 103.9 81.1 121.7

160 45.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 43.447 ng
RT: 16.356 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

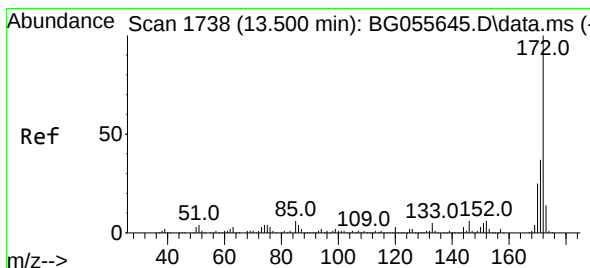
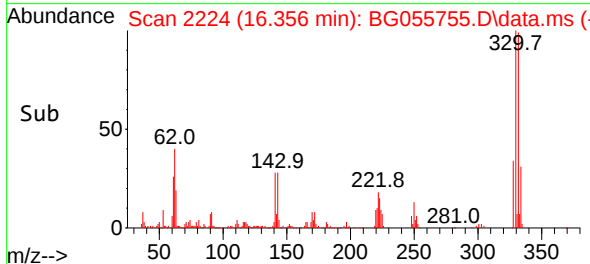
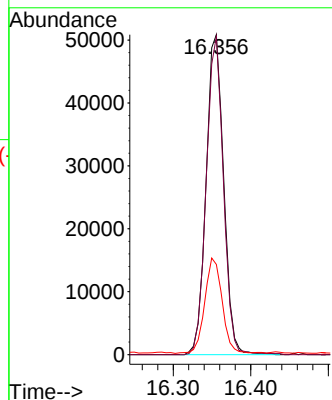
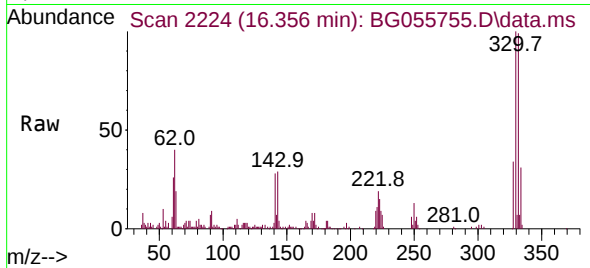
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Tgt Ion:330 Resp: 79962
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 29.5 23.9 35.9

Manual Integrations

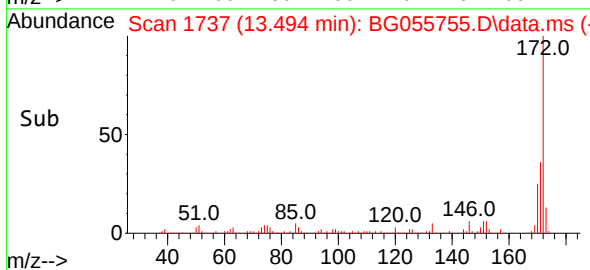
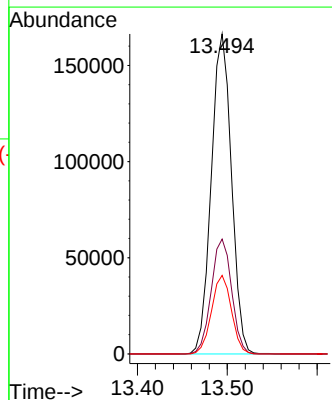
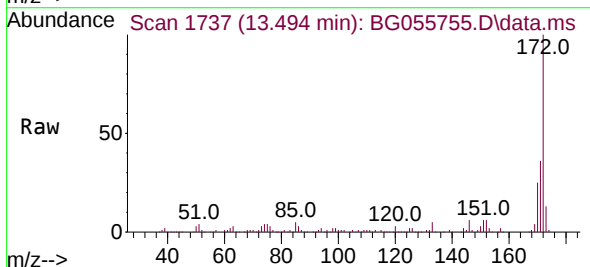
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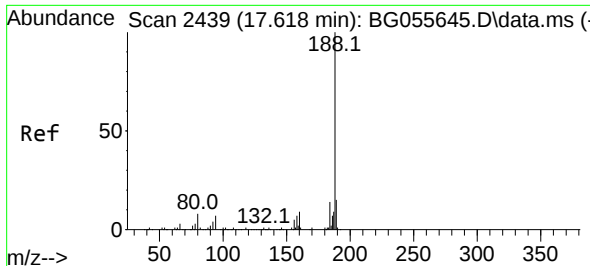
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#45
2-Fluorobiphenyl
Concen: 29.904 ng
RT: 13.494 min Scan# 1737
Delta R.T. 0.002 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:172 Resp: 260909
Ion Ratio Lower Upper
172 100
171 35.9 29.8 44.6
170 24.5 20.2 30.4





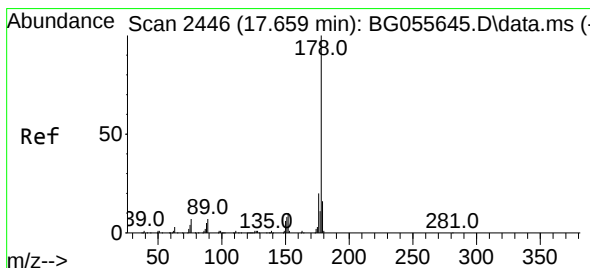
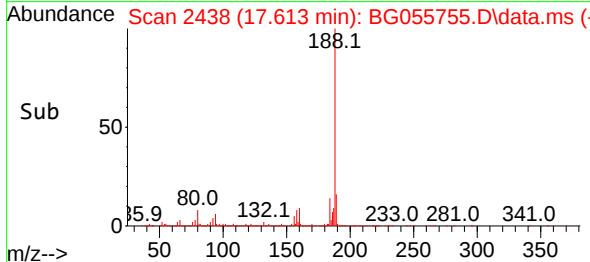
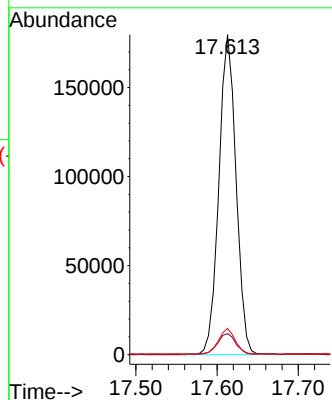
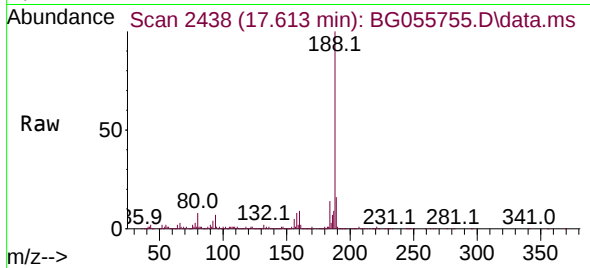
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2439
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tgt Ion:188 Resp: 263214
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.2
80 8.2 6.6 10.0

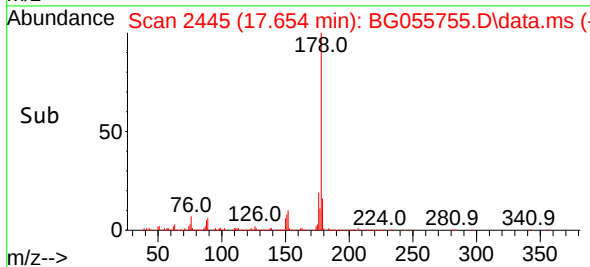
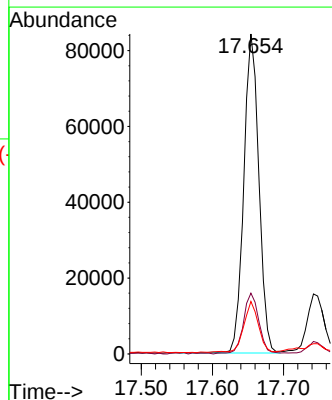
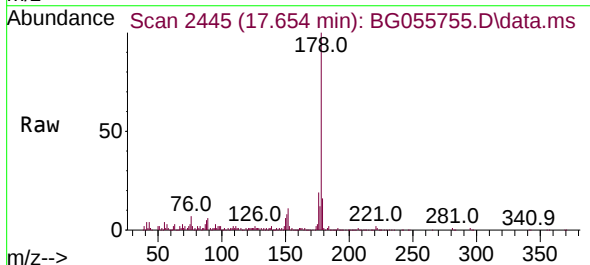
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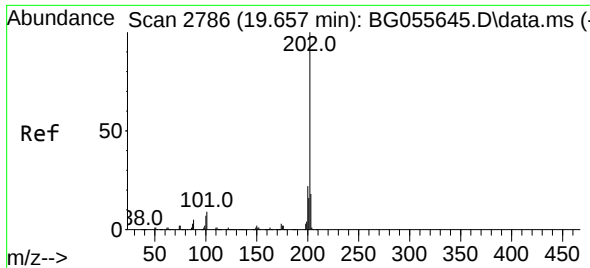
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#71
Phenanthrene
Concen: 8.708 ng
RT: 17.654 min Scan# 2445
Delta R.T. 0.002 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:178 Resp: 123687
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 16.4 12.7 19.1





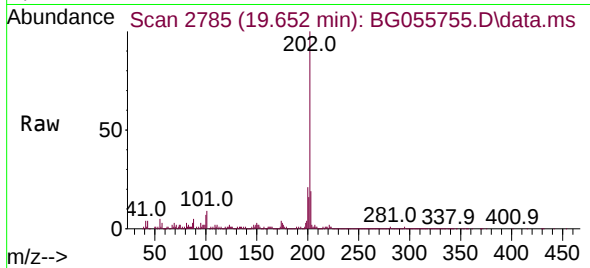
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Fluoranthene
Concen: 16.483 ng
RT: 19.652 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

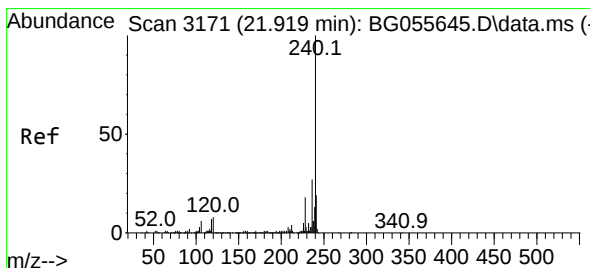
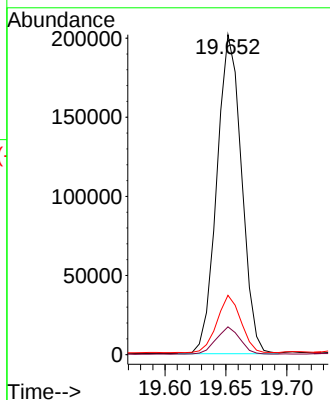
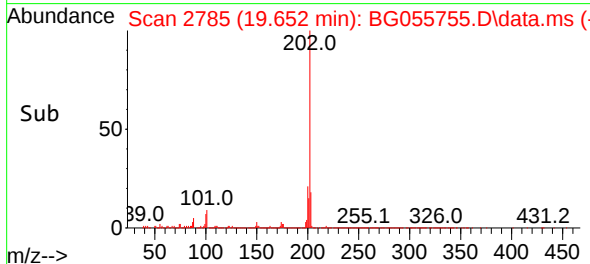


Tgt Ion:202 Resp: 284833
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.8
203 18.5 0.0 38.1

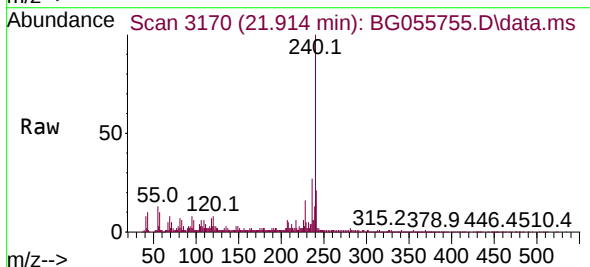
Manual Integrations

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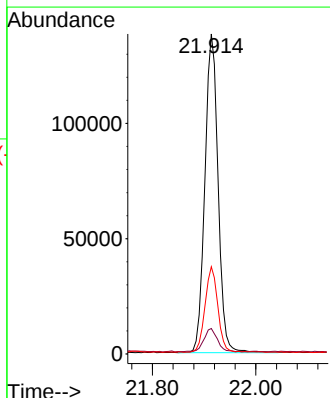
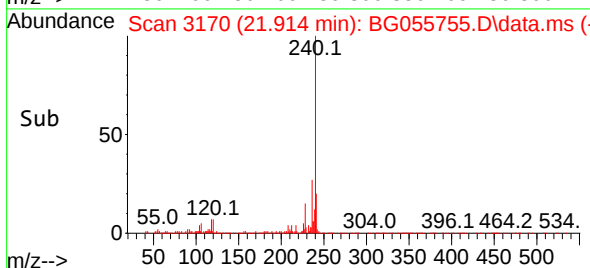
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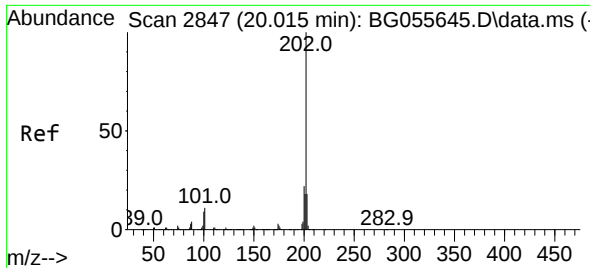


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.914 min Scan# 3170
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29



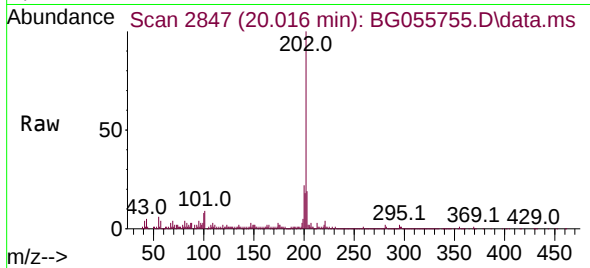
Tgt Ion:240 Resp: 244580
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 27.3 21.9 32.9





#78
Pyrene
Concen: 15.234 ng
RT: 20.016 min Scan# 2847
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

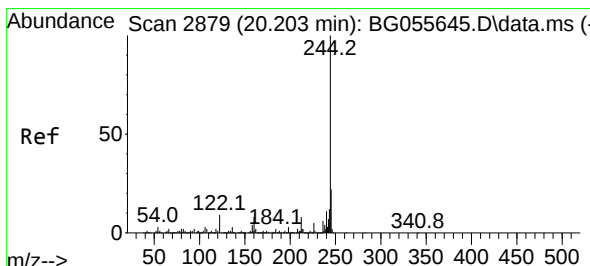
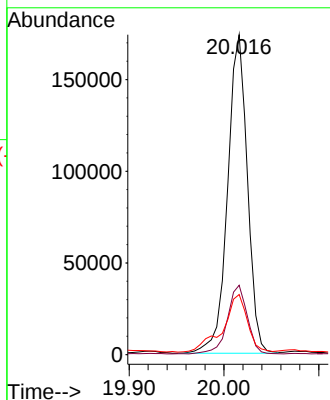
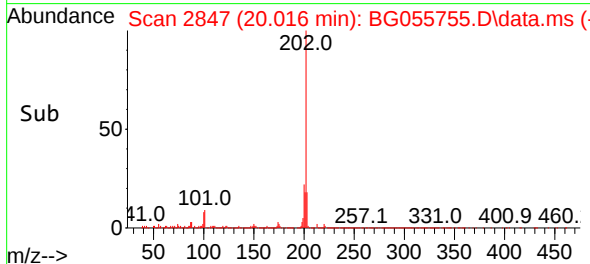
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE



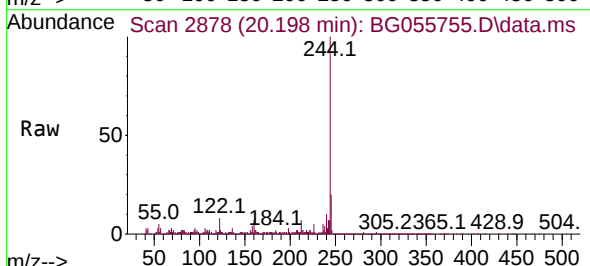
Tgt Ion:202 Resp: 252197
Ion Ratio Lower Upper
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200 21.7 17.8 26.6
203 18.8 14.4 21.6

Manual Integrations
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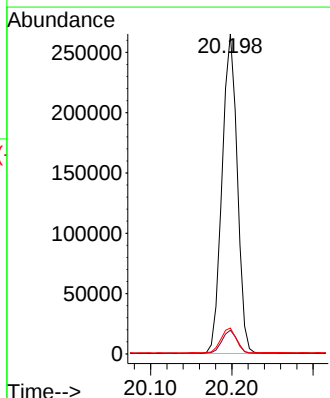
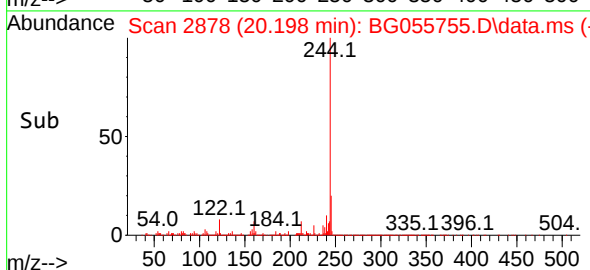
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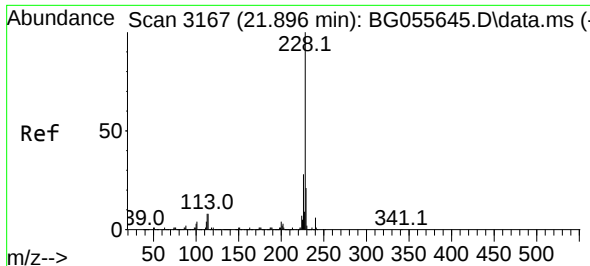


#79
Terphenyl-d14
Concen: 28.101 ng
RT: 20.198 min Scan# 2878
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29



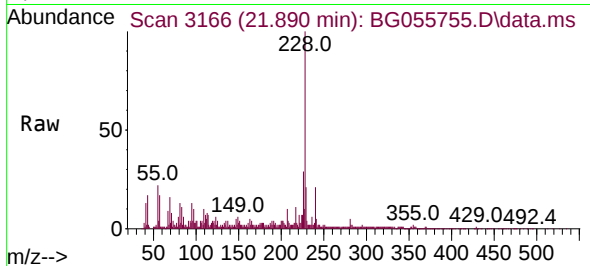
Tgt Ion:244 Resp: 343630
Ion Ratio Lower Upper
244 100
212 7.4 6.3 9.5
122 8.1 6.9 10.3





#81
Benzo(a)anthracene
Concen: 8.872 ng
RT: 21.890 min Scan# 3166
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

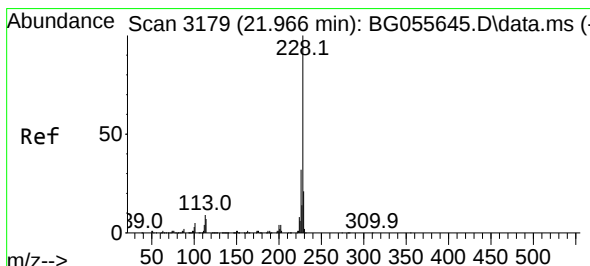
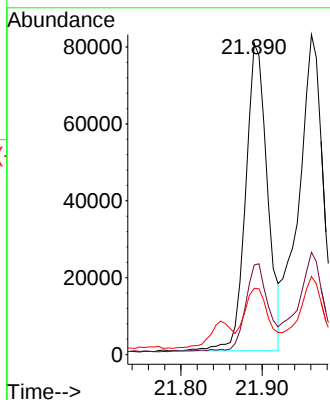
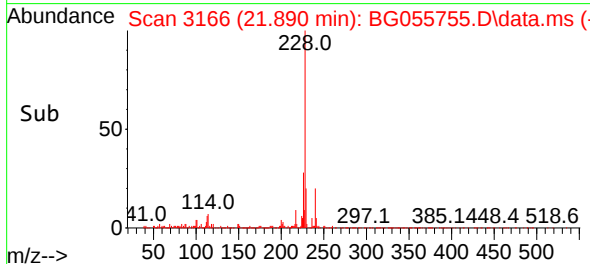
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE



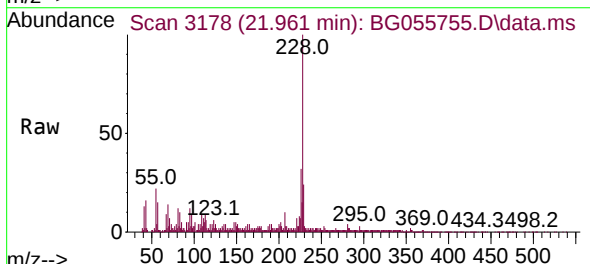
Tgt Ion:228 Resp: 149452
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 21.3 16.5 24.7

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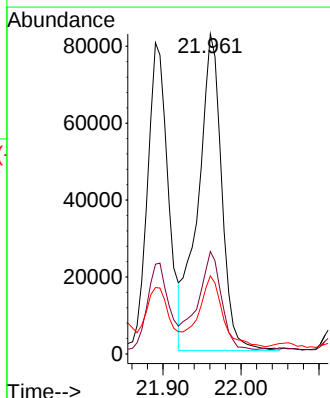
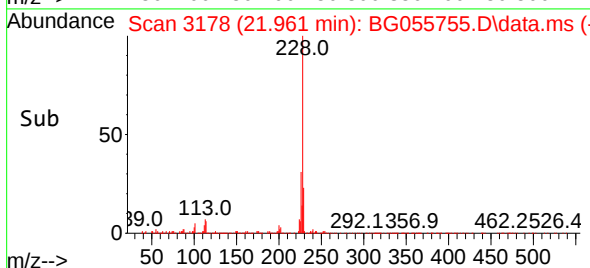
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

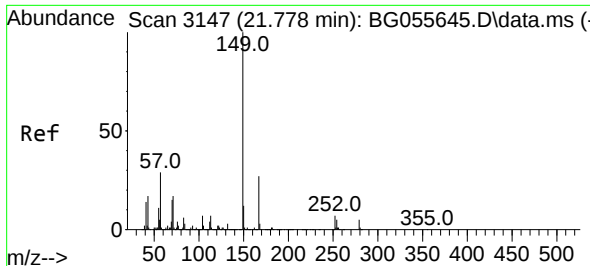


#83
Chrysene
Concen: 10.896 ng m
RT: 21.961 min Scan# 3178
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29



Tgt Ion:228 Resp: 174743
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.2
229 24.4 17.1 25.7





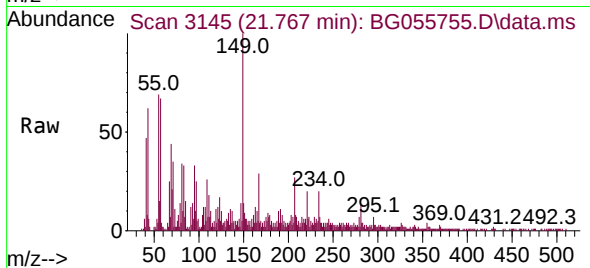
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.312 ng
RT: 21.767 min Scan# 3147
Delta R.T. 0.013 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

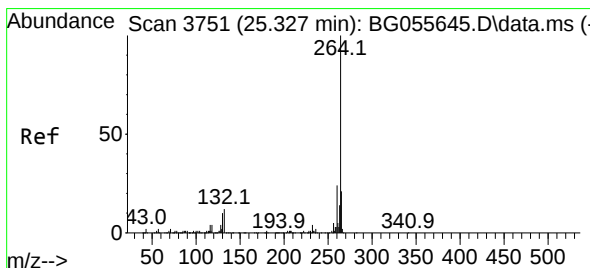
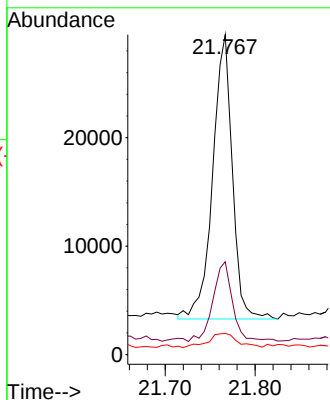
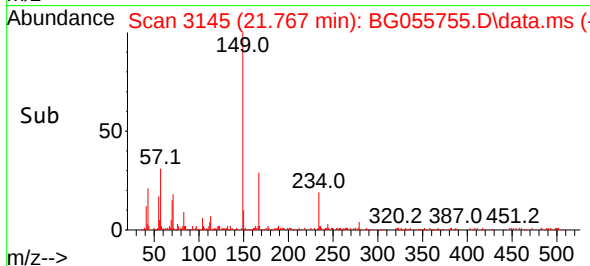


Tgt Ion:149 Resp: 40162
Ion Ratio Lower Upper
149 100
167 29.0 22.0 33.0
279 6.6 3.7 5.5

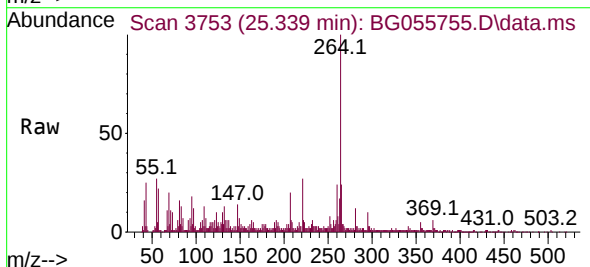
Manual Integrations

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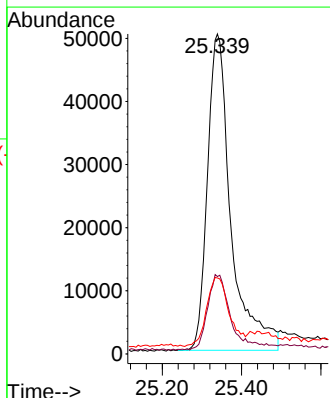
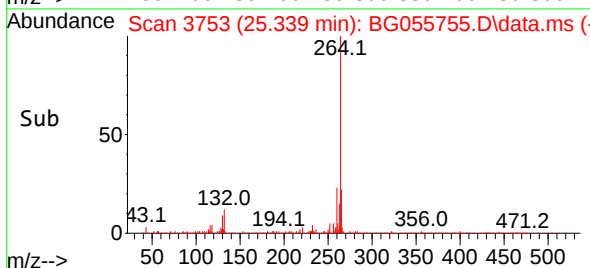
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

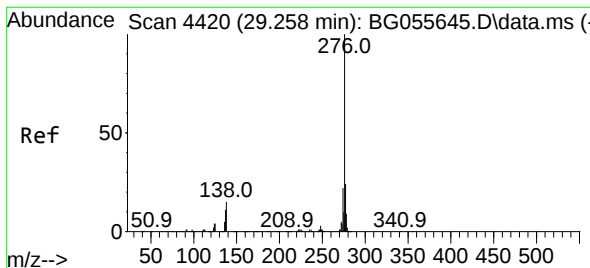


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.339 min Scan# 3753
Delta R.T. 0.037 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29



Tgt Ion:264 Resp: 206580
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 23.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.206 ng m

RT: 29.270 min Scan# 4420

Delta R.T. 0.037 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

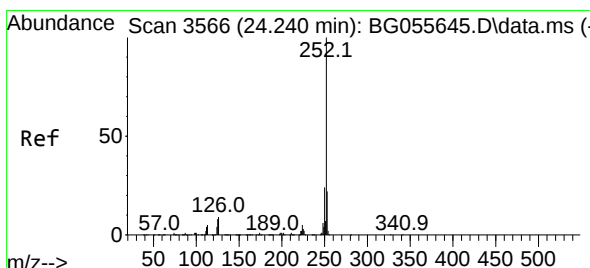
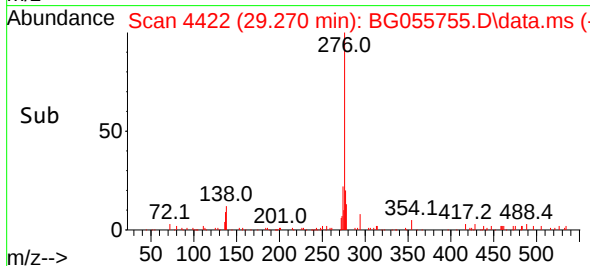
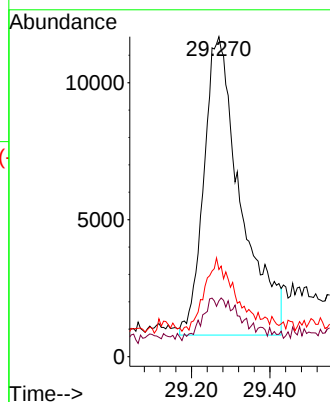
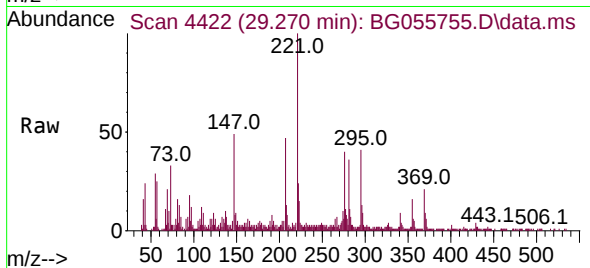
Tgt Ion:	276	Resp:	71186
Ion Ratio	Lower	Upper	
276	100		
138	5.8	10.4	15.6
277	19.7	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#88

Benzo(b)fluoranthene

Concen: 16.219 ng

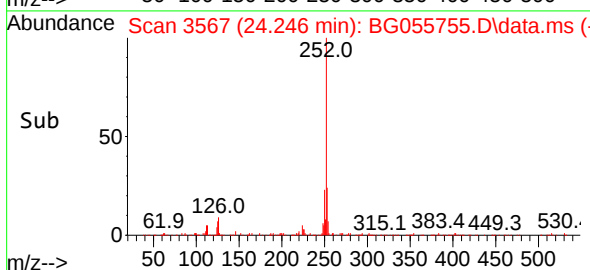
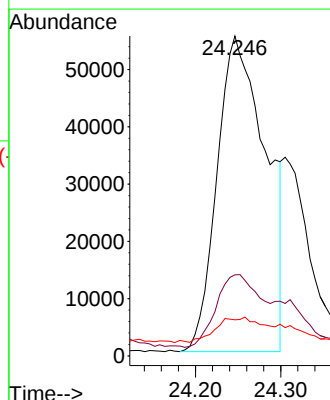
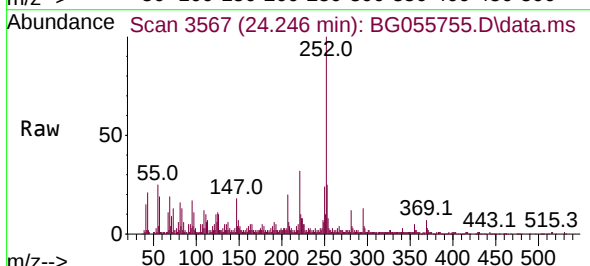
RT: 24.246 min Scan# 3567

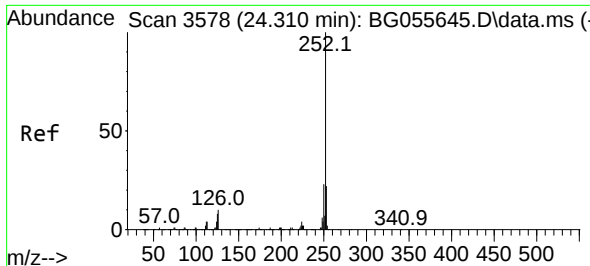
Delta R.T. 0.025 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

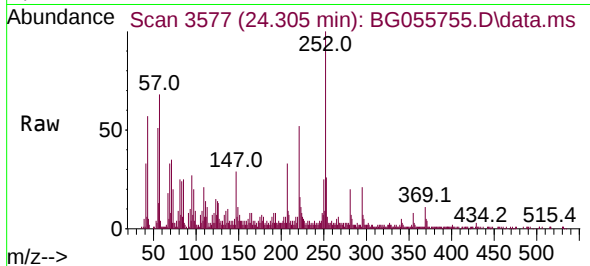
Tgt Ion:	252	Resp:	218201
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.0	27.0
125	11.3	6.2	9.2





#89
Benzo(k)fluoranthene
Concen: 6.143 ng m
RT: 24.305 min Scan# 3578
Delta R.T. 0.013 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

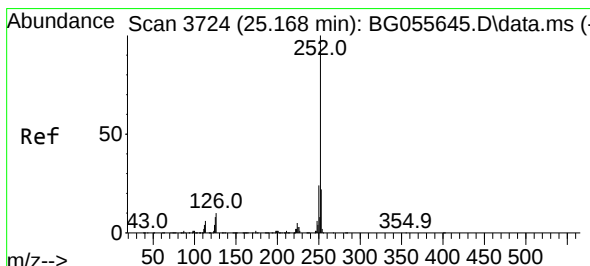
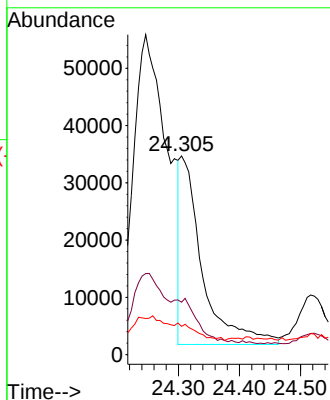
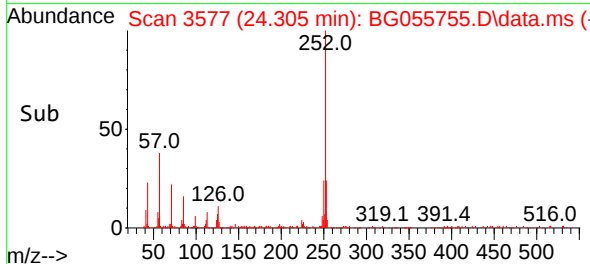
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE



Tgt Ion:252 Resp: 82386
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.6
125 14.2 6.1 9.1

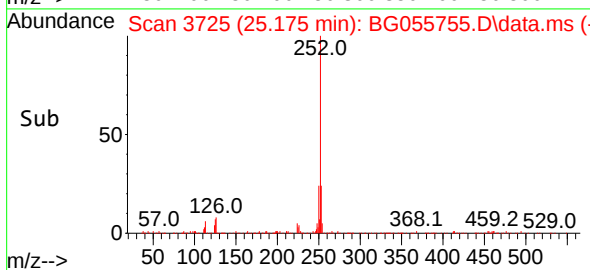
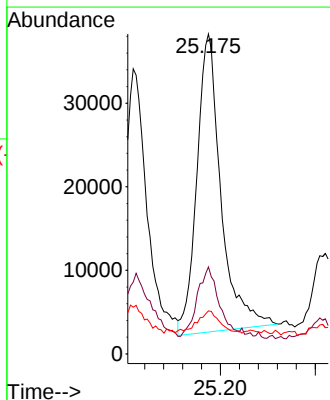
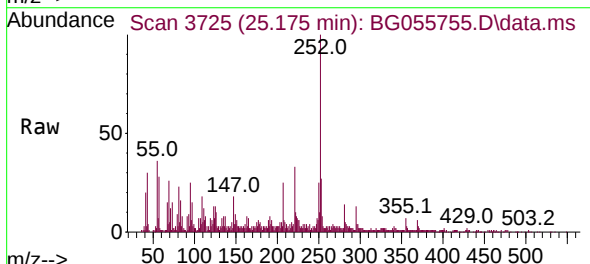
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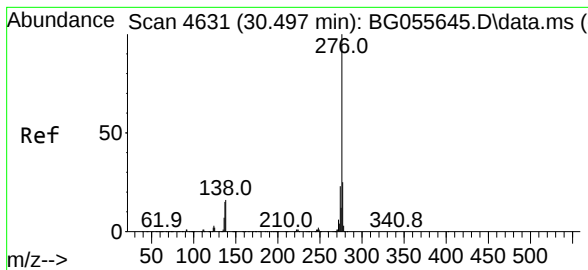
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#90
Benzo(a)pyrene
Concen: 10.933 ng
RT: 25.175 min Scan# 3725
Delta R.T. 0.025 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

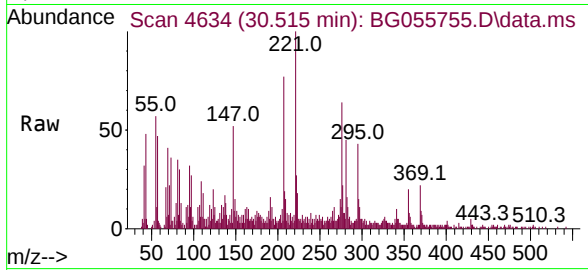
Tgt Ion:252 Resp: 126217
Ion Ratio Lower Upper
252 100
253 27.2 17.8 26.6#
125 13.4 6.4 9.6#





#92
 Benzo(g,h,i)perylene
 Concen: 4.881 ng m
 RT: 30.515 min Scan# 4634
 Delta R.T. 0.054 min
 Lab File: BG055755.D
 Acq: 23 Nov 2022 1:29

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE



Tgt Ion: 276 Resp: 68028
 Ion Ratio Lower Upper
 276 100
 277 33.5 19.8 29.6
 138 19.8 13.1 19.7

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

