

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111222\
 Data File : BG055595.D
 Acq On : 12 Nov 2022 18:44
 Operator : CG/JU
 Sample : N5531-17DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-26DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/14/2022
 Supervised By : Jagrut Upadhyay 11/14/2022

Quant Time: Nov 14 03:29:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.267	152	64060	20.000	ng	0.00
21) Naphthalene-d8	11.094	136	272845	20.000	ng	0.00
39) Acenaphthene-d10	14.889	164	193035	20.000	ng	0.00
64) Phenanthrene-d10	17.627	188	412555	20.000	ng	0.00
76) Chrysene-d12	21.928	240	383698	20.000	ng	0.00
86) Perylene-d12	25.353	264	415284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	277862	82.618	ng	0.00
7) Phenol-d6	7.398	99	377585	81.276	ng	0.00
23) Nitrobenzene-d5	9.437	82	225407	56.005	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	177848	94.427	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	577029	45.090	ng	0.00
79) Terphenyl-d14	20.212	244	865844	45.325	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.668	178	167605	7.559	ng	99
75) Fluoranthene	19.666	202	580503	21.955	ng	99
78) Pyrene	20.030	202	1077029	41.475	ng	98
81) Benzo(a)anthracene	21.910	228	596651	22.702	ng	97
83) Chrysene	21.975	228	634413m	25.385	ng	
87) Indeno(1,2,3-cd)pyrene	29.284	276	257693	8.147	ng	98
88) Benzo(b)fluoranthene	24.261	252	512770	19.488	ng	100
89) Benzo(k)fluoranthene	24.325	252	151276m	5.624	ng	
90) Benzo(a)pyrene	25.189	252	490805	21.654	ng	99
91) Dibenzo(a,h)anthracene	29.343	278	78763	3.008	ng	99
92) Benzo(g,h,i)perylene	30.524	276	306274	11.966	ng	98

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

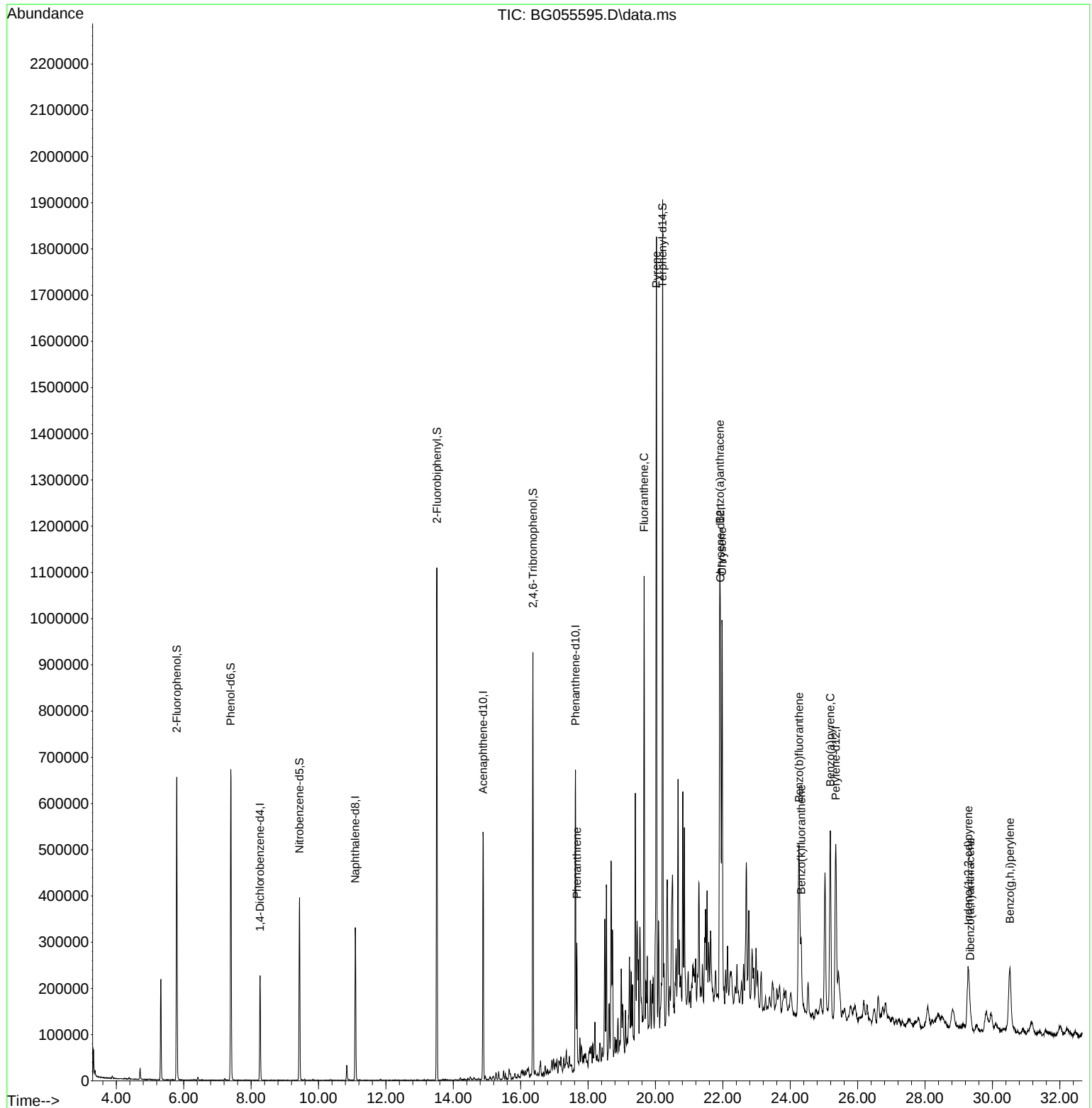
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111222\
Data File : BG055595.D
Acq On : 12 Nov 2022 18:44
Operator : CG/JU
Sample : N5531-17DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

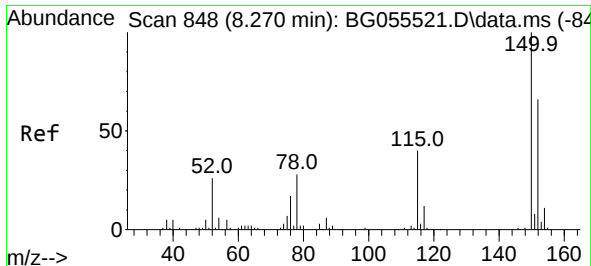
Instrument :
BNA_G
ClientSampleId :
SB-26DL

Quant Time: Nov 14 03:29:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 10 03:39:46 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

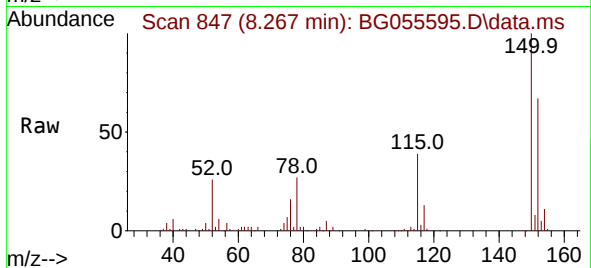
Reviewed By : Christian Giraldo 11/14/2022
Supervised By : Jagrut Upadhyay 11/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.267 min Scan# 848
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

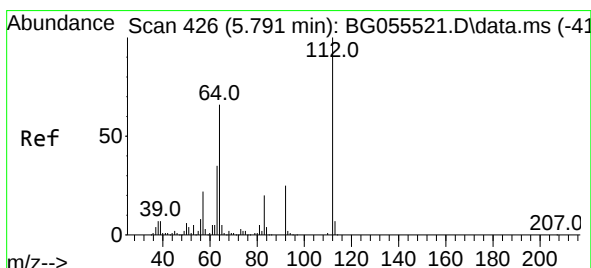
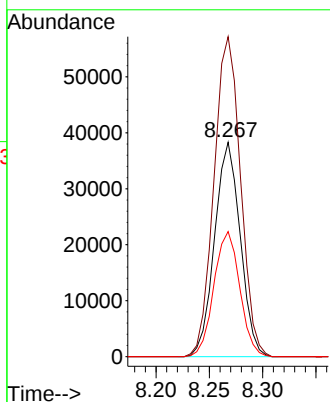
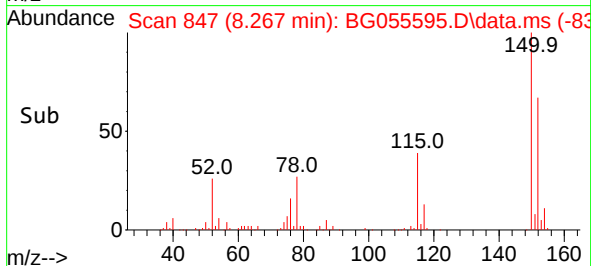
Instrument :
BNA_G
ClientSampleId :
SB-26DL



Tgt Ion:152 Resp: 64060
Ion Ratio Lower Upper
152 100
150 149.2 121.0 181.4
115 58.4 47.8 71.8

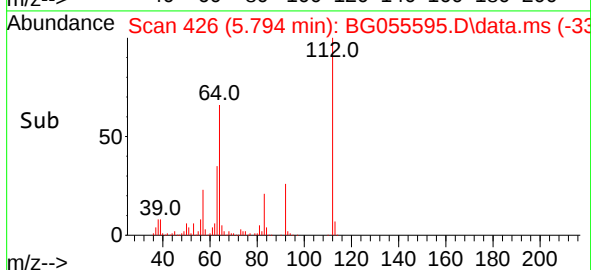
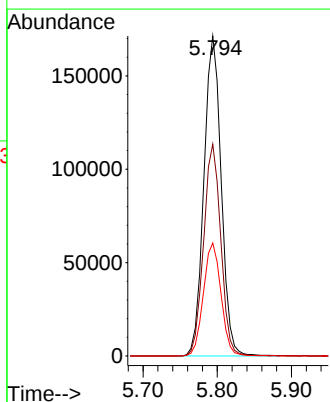
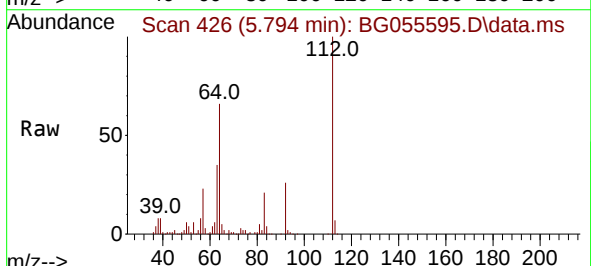
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#5
2-Fluorophenol
Concen: 82.618 ng
RT: 5.794 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

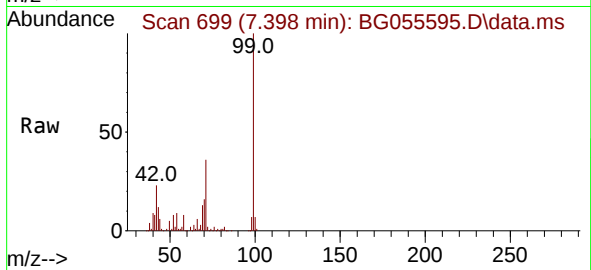
Tgt Ion:112 Resp: 277862
Ion Ratio Lower Upper
112 100
64 66.2 52.6 78.8
63 35.3 28.3 42.5





#7
Phenol-d6
Concen: 81.276 ng
RT: 7.398 min Scan# 699
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

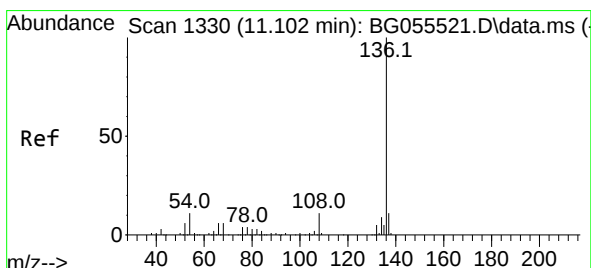
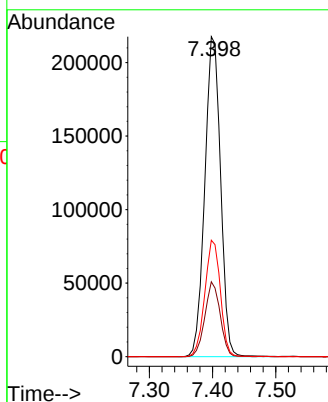
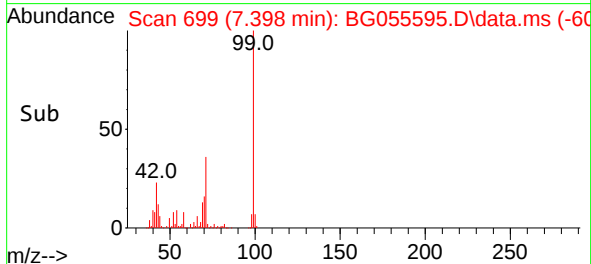
Instrument :
BNA_G
ClientSampleId :
SB-26DL



Tgt Ion: 99 Resp: 37758
Ion Ratio Lower Upper
99 100
42 23.4 17.5 26.3
71 36.4 28.3 42.5

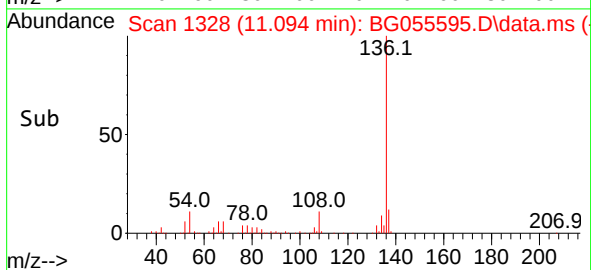
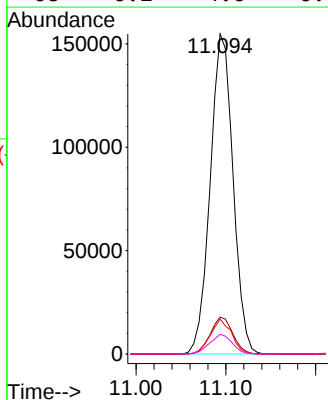
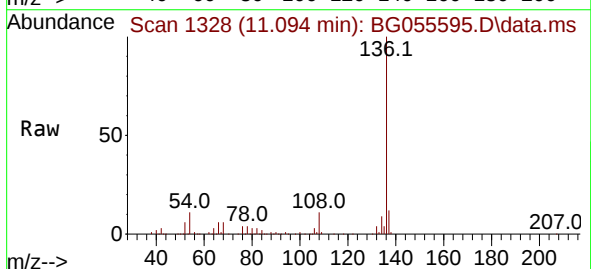
Manual Integrations
APPROVED

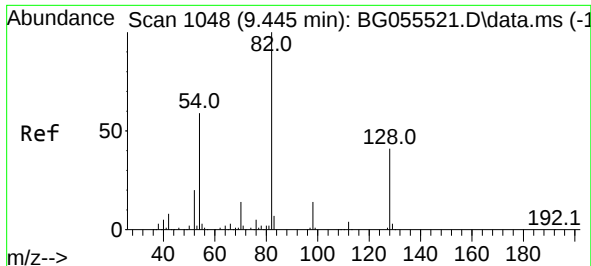
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.094 min Scan# 1328
Delta R.T. -0.008 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:136 Resp: 272845
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 10.9 8.6 12.8
68 6.2 4.6 6.8





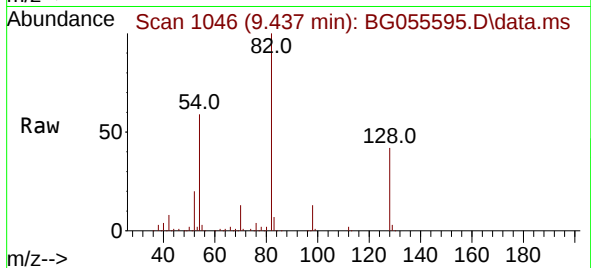
#23
Nitrobenzene-d5
Concen: 56.005 ng
RT: 9.437 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Instrument :

BNA_G

ClientSampleId :

SB-26DL



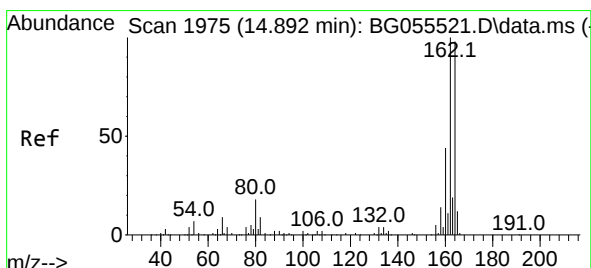
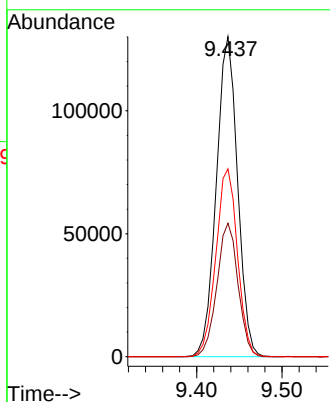
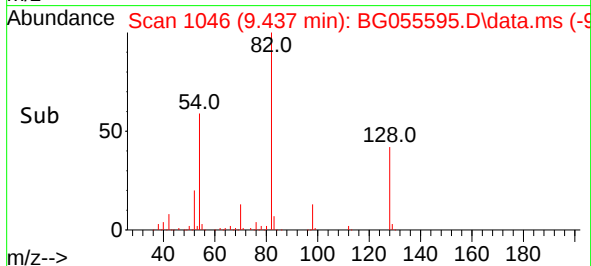
Tgt Ion: 82 Resp: 22540
Ion Ratio Lower Upper
82 100
128 41.7 32.6 49.0
54 58.7 47.3 70.9

Manual Integrations

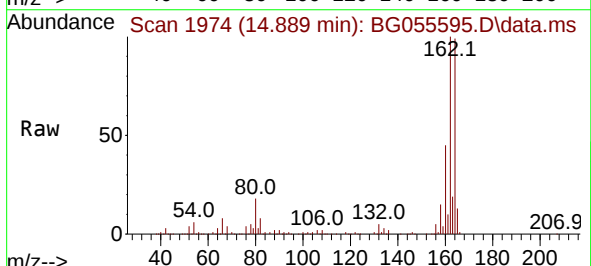
APPROVED

Reviewed By :Christian Giraldo 11/14/2022

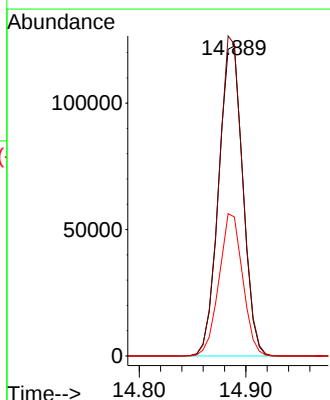
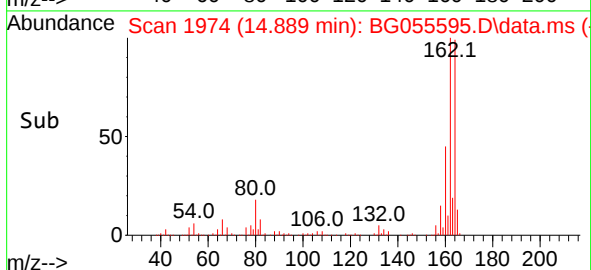
Supervised By :Jagrut Upadhyay 11/14/2022

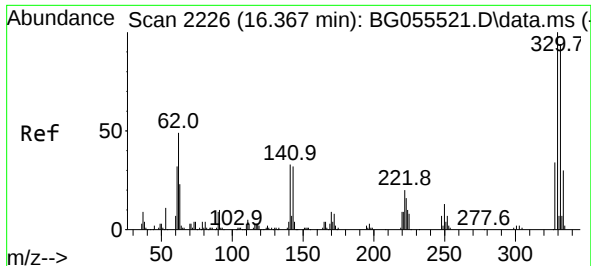


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.889 min Scan# 1974
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44



Tgt Ion:164 Resp: 193035
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 44.8 35.9 53.9





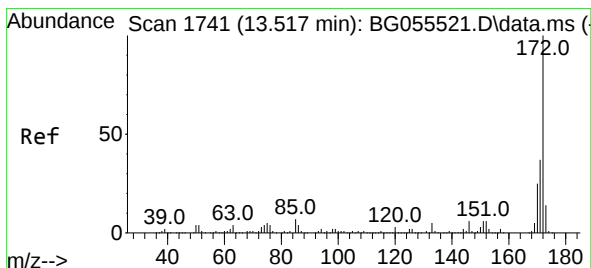
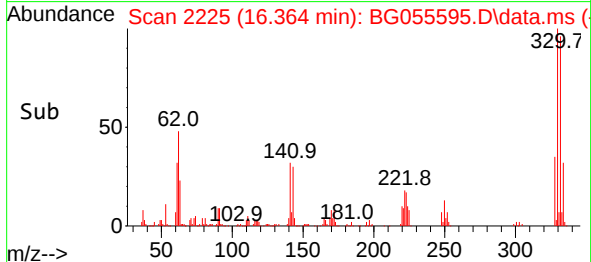
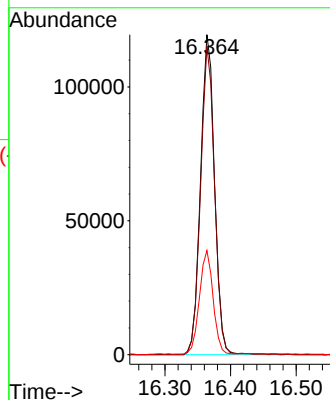
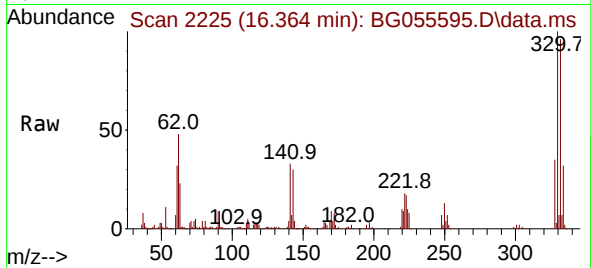
#42
2,4,6-Tribromophenol
Concen: 94.427 ng
RT: 16.364 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Instrument :
BNA_G
ClientSampleId :
SB-26DL

Tgt Ion:330 Resp: 17784
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.2
141 31.2 25.4 38.2

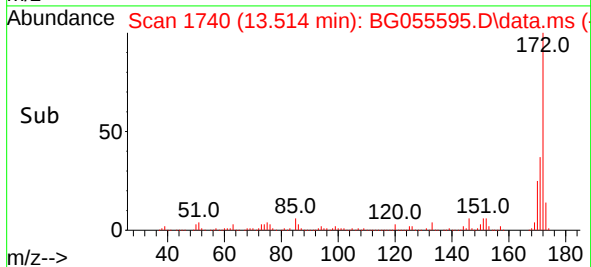
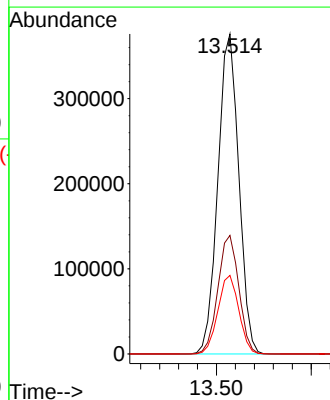
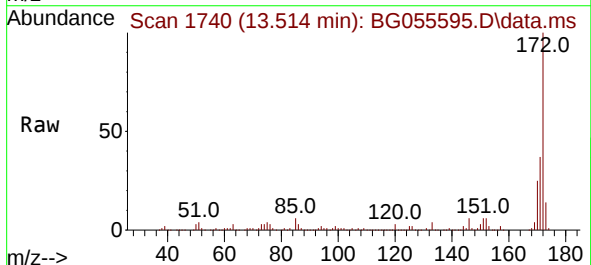
Manual Integrations
APPROVED

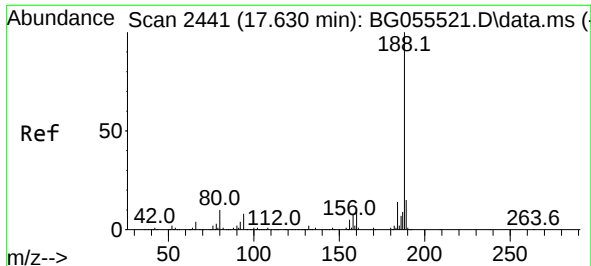
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#45
2-Fluorobiphenyl
Concen: 45.090 ng
RT: 13.514 min Scan# 1740
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Tgt Ion:172 Resp: 577029
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.6 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.627 min Scan# 2440
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

Instrument :

BNA_G

ClientSampleId :

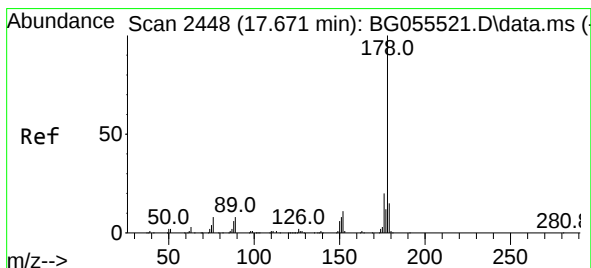
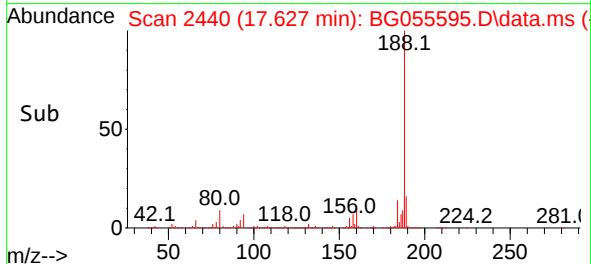
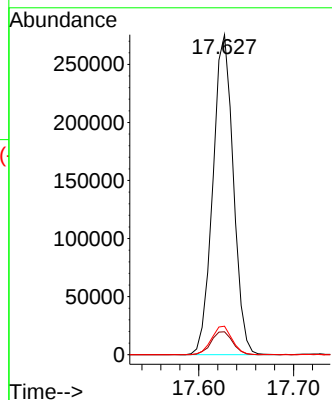
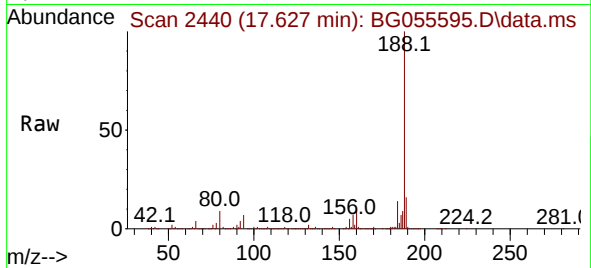
SB-26DL

Tgt Ion:188 Resp: 41255
Ion Ratio Lower Upper
188 100
94 7.2 6.4 9.6
80 8.9 7.6 11.4

Manual Integrations

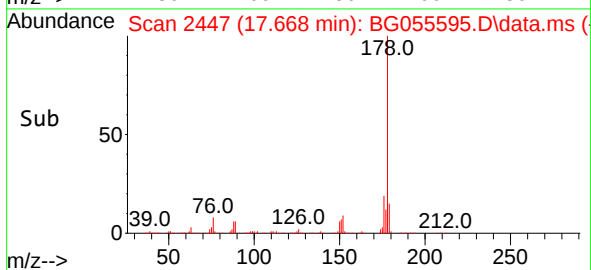
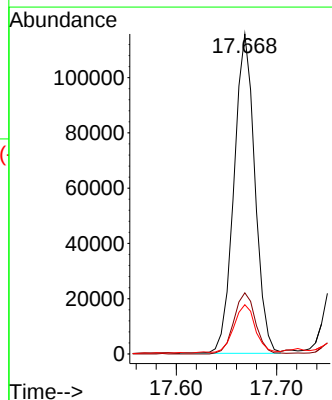
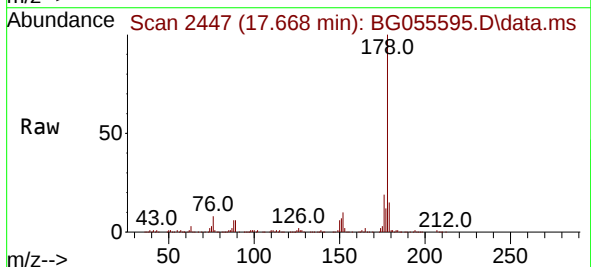
APPROVED

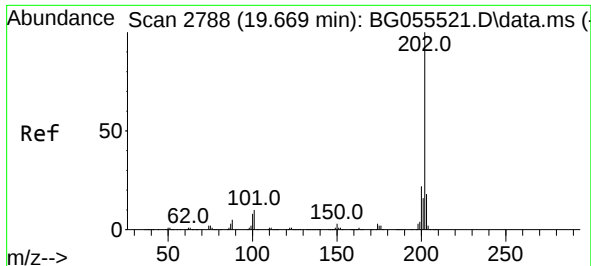
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#71
Phenanthrene
Concen: 7.559 ng
RT: 17.668 min Scan# 2447
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

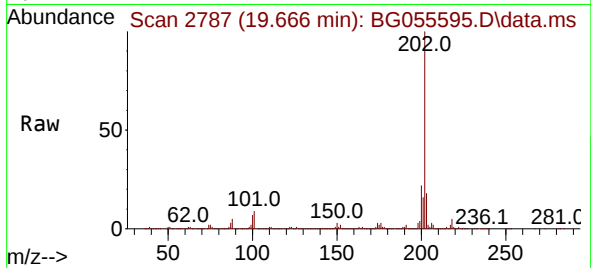
Tgt Ion:178 Resp: 167605
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 21.955 ng
RT: 19.666 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

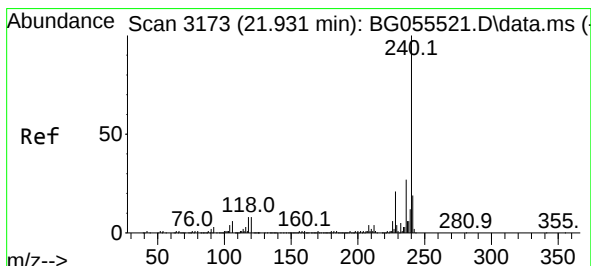
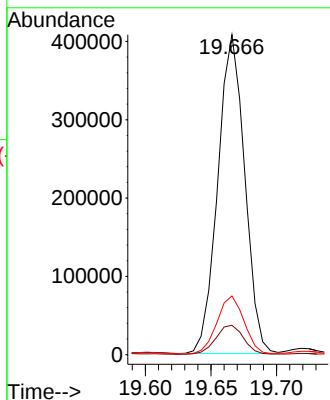
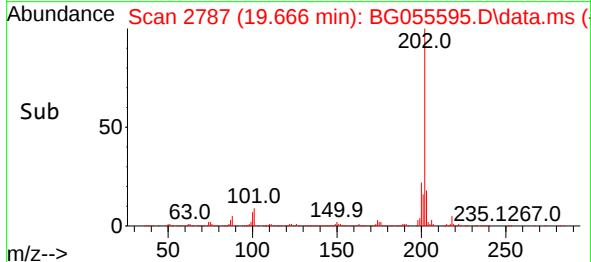
Instrument :
BNA_G
ClientSampleId :
SB-26DL



Tgt Ion:202 Resp: 58050
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.8
203 18.4 0.0 38.2

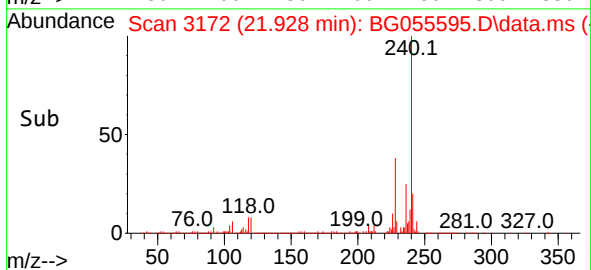
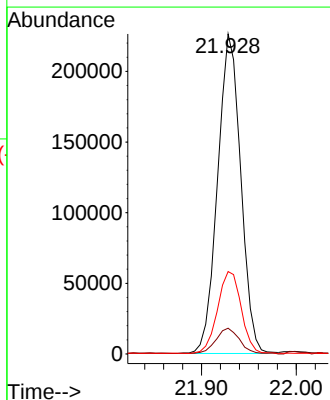
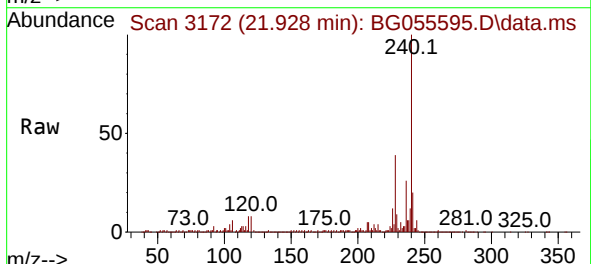
Manual Integrations
APPROVED

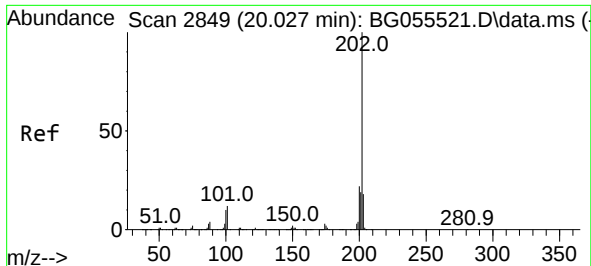
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.928 min Scan# 3172
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

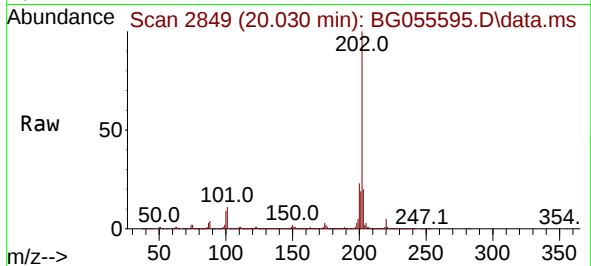
Tgt Ion:240 Resp: 383698
Ion Ratio Lower Upper
240 100
120 8.0 6.1 9.1
236 25.8 21.4 32.0





#78
 Pyrene
 Concen: 41.475 ng
 RT: 20.030 min Scan# 2849
 Delta R.T. 0.003 min
 Lab File: BG055595.D
 Acq: 12 Nov 2022 18:44

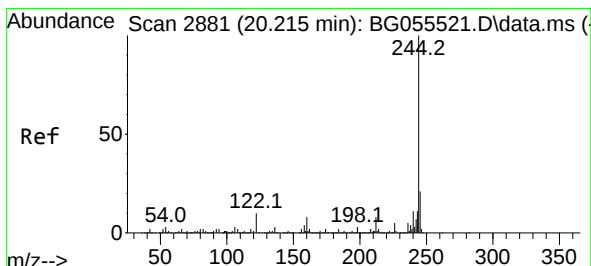
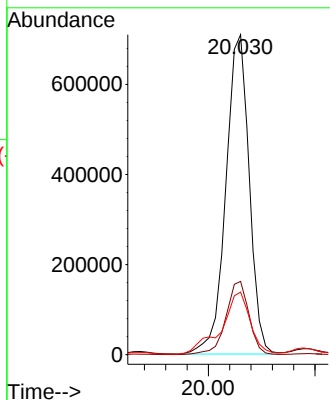
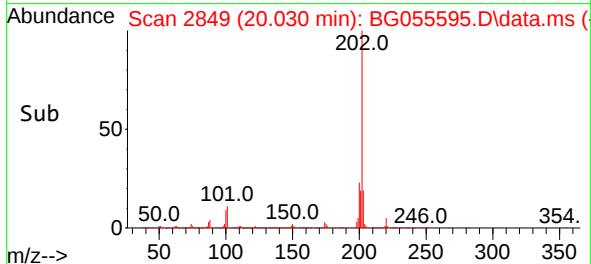
Instrument :
 BNA_G
 ClientSampleId :
 SB-26DL



Tgt Ion:202 Resp: 1077029
 Ion Ratio Lower Upper
 202 100
 200 22.9 18.0 27.0
 203 19.5 14.2 21.2

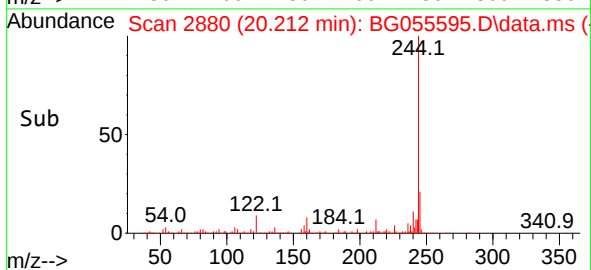
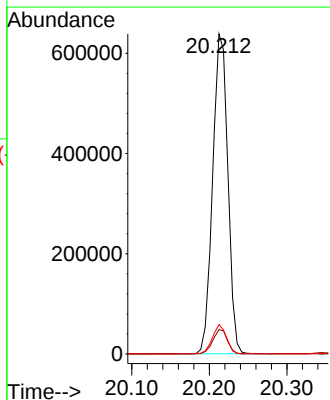
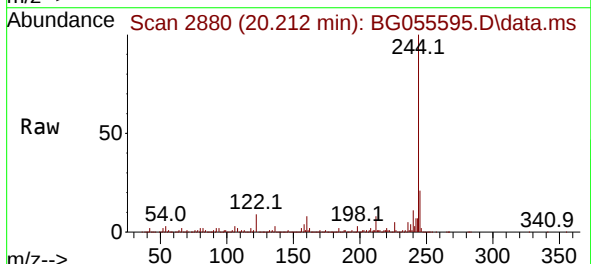
Manual Integrations
 APPROVED

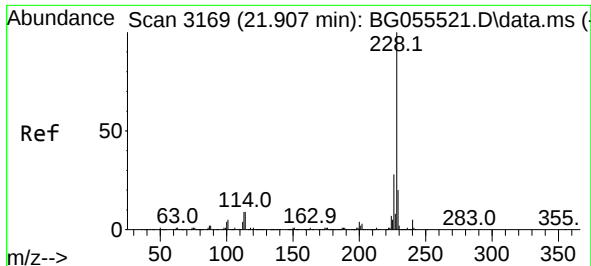
Reviewed By :Christian Giraldo 11/14/2022
 Supervised By :Jagrut Upadhyay 11/14/2022



#79
 Terphenyl-d14
 Concen: 45.325 ng
 RT: 20.212 min Scan# 2880
 Delta R.T. -0.003 min
 Lab File: BG055595.D
 Acq: 12 Nov 2022 18:44

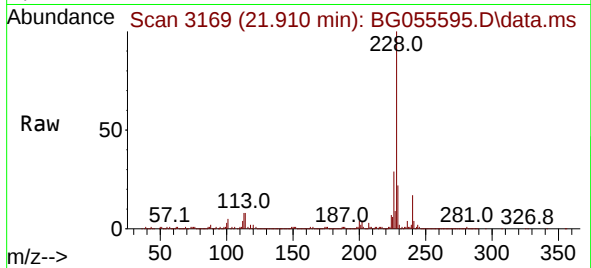
Tgt Ion:244 Resp: 865844
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 9.2 7.7 11.5





#81
Benzo(a)anthracene
Concen: 22.702 ng
RT: 21.910 min Scan# 3169
Delta R.T. 0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

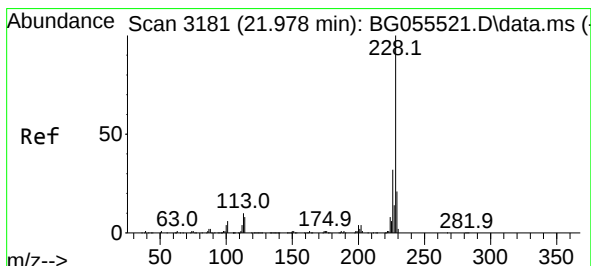
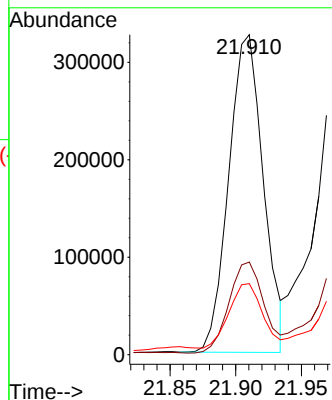
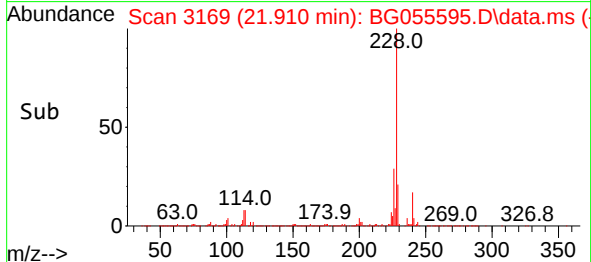
Instrument :
BNA_G
ClientSampleId :
SB-26DL



Tgt Ion:228 Resp: 59665
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 22.2 16.1 24.1

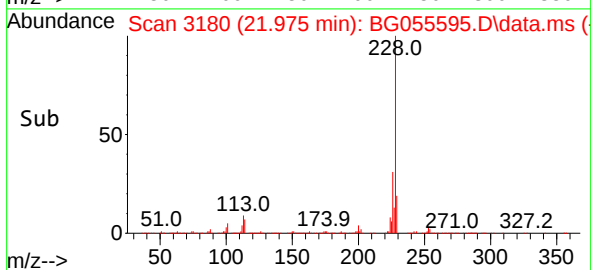
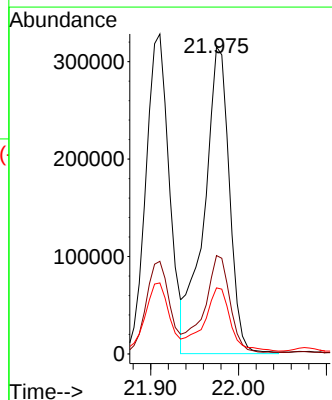
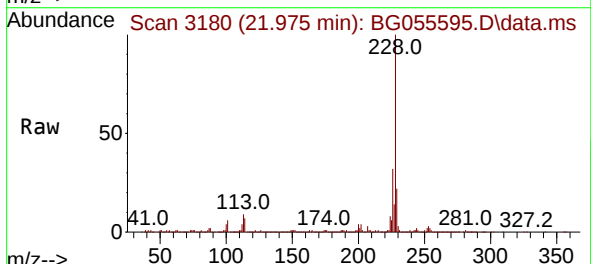
Manual Integrations
APPROVED

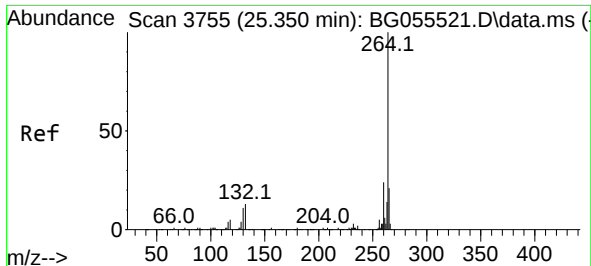
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#83
Chrysene
Concen: 25.385 ng m
RT: 21.975 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

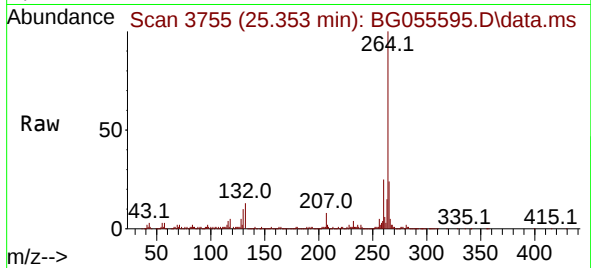
Tgt Ion:228 Resp: 634413
Ion Ratio Lower Upper
228 100
226 32.0 25.7 38.5
229 21.5 16.6 25.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.353 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BG055595.D
 Acq: 12 Nov 2022 18:44

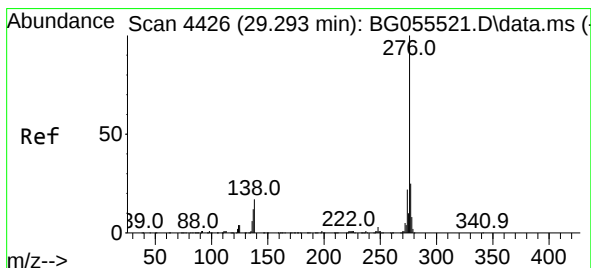
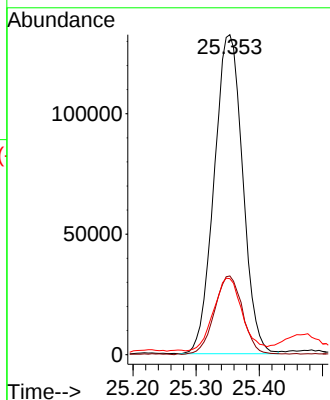
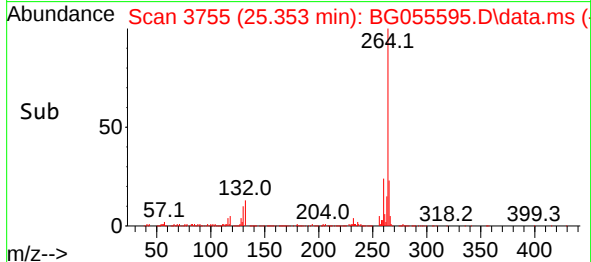
Instrument :
 BNA_G
 ClientSampleId :
 SB-26DL



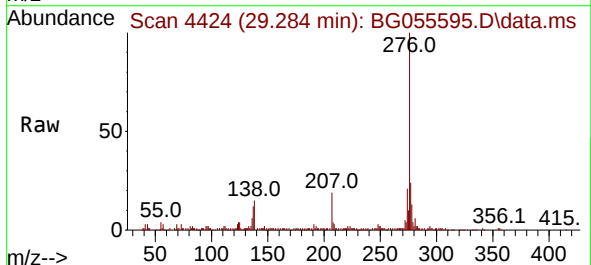
Tgt Ion:264 Resp: 415284
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.2
 265 23.8 17.1 25.7

Manual Integrations
 APPROVED

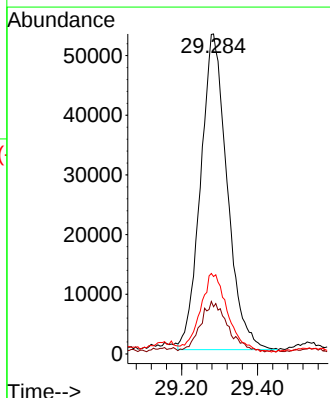
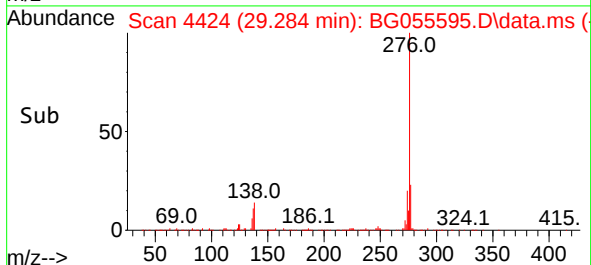
Reviewed By :Christian Giraldo 11/14/2022
 Supervised By :Jagrut Upadhyay 11/14/2022

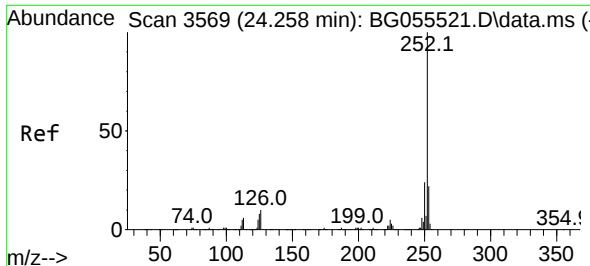


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.147 ng
 RT: 29.284 min Scan# 4424
 Delta R.T. -0.009 min
 Lab File: BG055595.D
 Acq: 12 Nov 2022 18:44



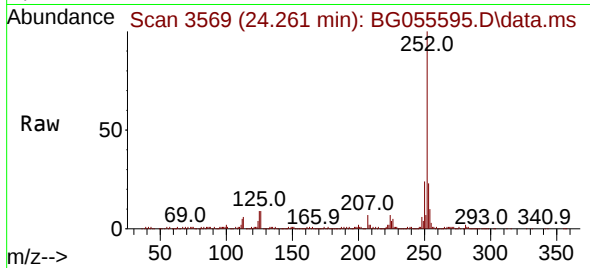
Tgt Ion:276 Resp: 257693
 Ion Ratio Lower Upper
 276 100
 138 16.6 11.5 17.3
 277 25.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 19.488 ng
RT: 24.261 min Scan# 3569
Delta R.T. 0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

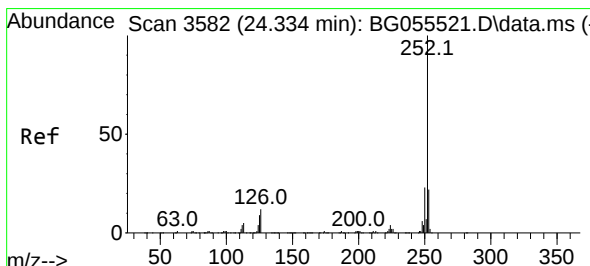
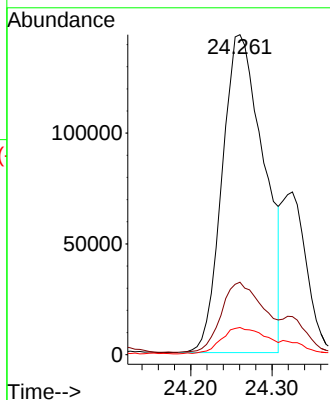
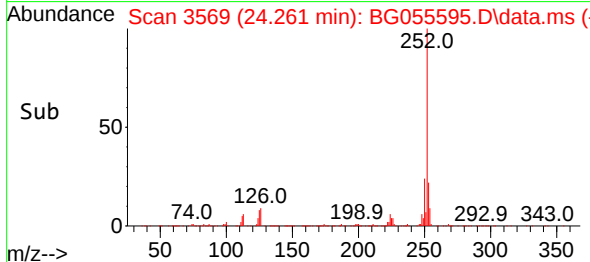
Instrument :
BNA_G
ClientSampleId :
SB-26DL



Tgt Ion:252 Resp: 512770
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 8.5 6.7 10.1

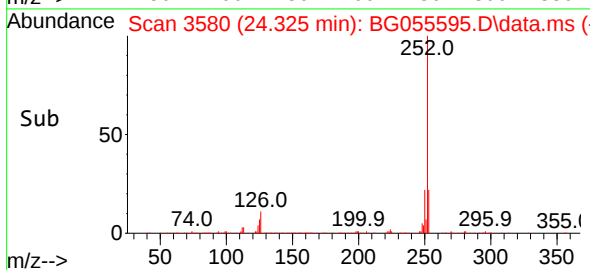
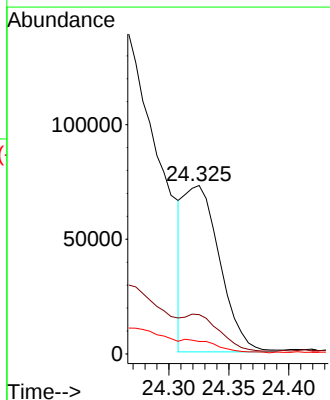
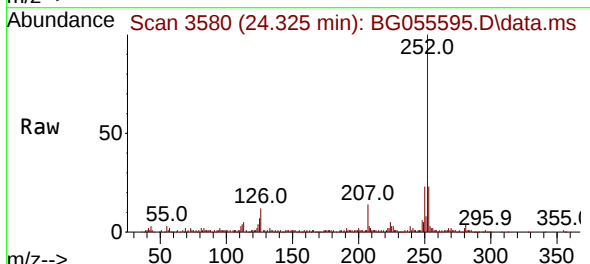
Manual Integrations
APPROVED

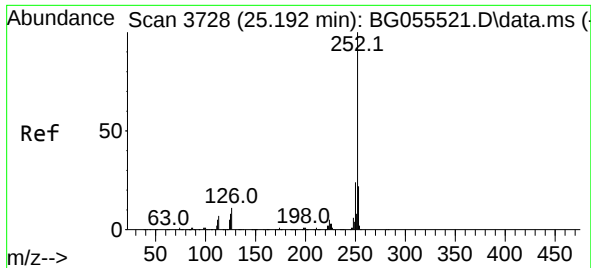
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#89
Benzo(k)fluoranthene
Concen: 5.624 ng m
RT: 24.325 min Scan# 3580
Delta R.T. -0.009 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

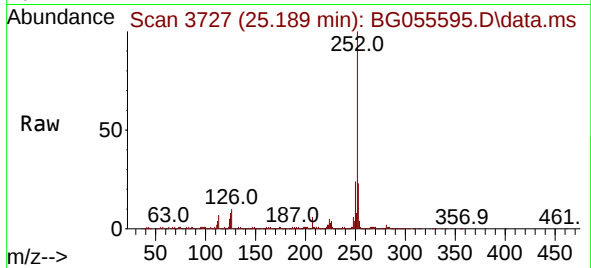
Tgt Ion:252 Resp: 151276
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 7.4 6.9 10.3





#90
Benzo(a)pyrene
Concen: 21.654 ng
RT: 25.189 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44

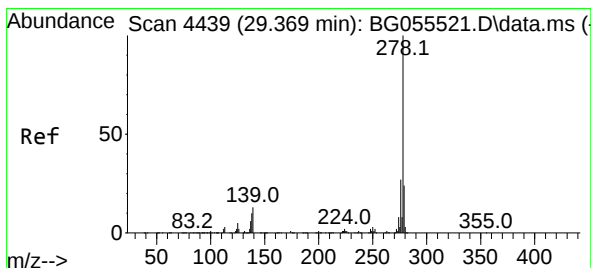
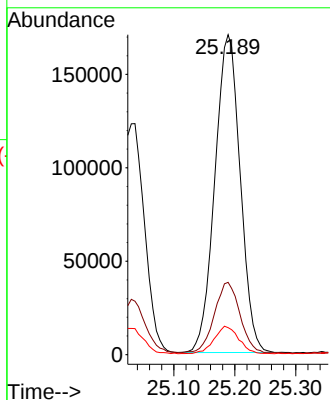
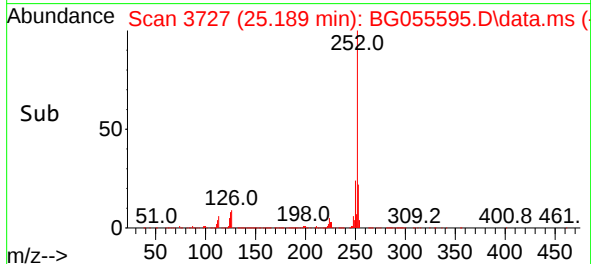
Instrument :
BNA_G
ClientSampleId :
SB-26DL



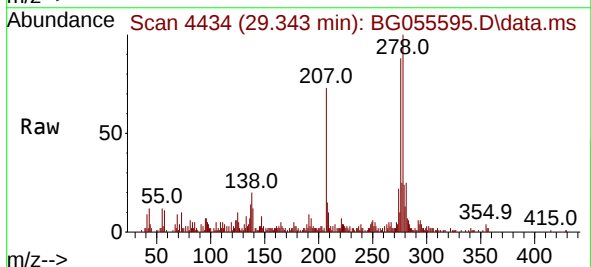
Tgt Ion:252 Resp: 49080
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 8.5 6.7 10.1

Manual Integrations
APPROVED

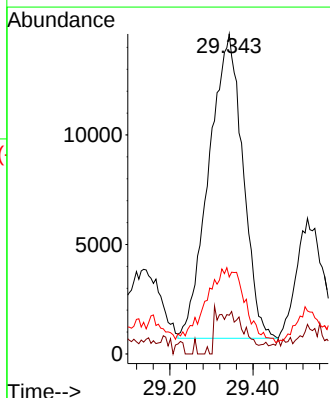
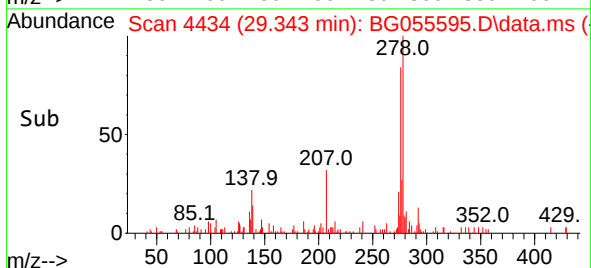
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

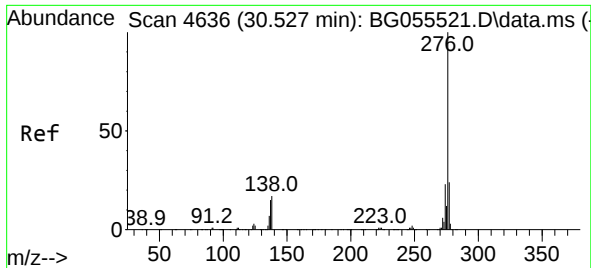


#91
Dibenzo(a,h)anthracene
Concen: 3.008 ng
RT: 29.343 min Scan# 4434
Delta R.T. -0.026 min
Lab File: BG055595.D
Acq: 12 Nov 2022 18:44



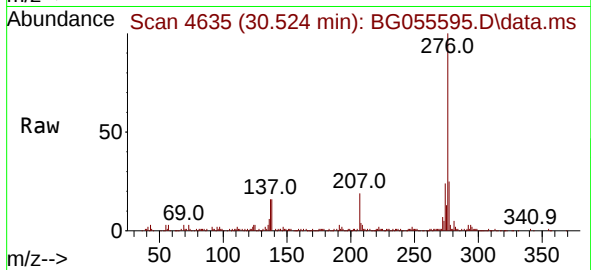
Tgt Ion:278 Resp: 78763
Ion Ratio Lower Upper
278 100
139 12.1 10.6 15.8
279 24.0 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 11.966 ng
 RT: 30.524 min Scan# 40
 Delta R.T. -0.003 min
 Lab File: BG055595.D
 Acq: 12 Nov 2022 18:44

Instrument :
 BNA_G
 ClientSampleId :
 SB-26DL



Tgt Ion: 276 Resp: 306274
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.3 28.9
 138 16.4 13.9 20.9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/14/2022
 Supervised By : Jagrut Upadhyay 11/14/2022

