

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055584.D
 Acq On : 12 Nov 2022 3:17
 Operator : CG/JU
 Sample : N5531-15 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-27

Quant Time: Nov 12 03:53:51 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 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.279	152	80924	20.000	ng	0.00
21) Naphthalene-d8	11.105	136	343108	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	226089	20.000	ng	0.00
64) Phenanthrene-d10	17.638	188	454183	20.000	ng	0.00
76) Chrysene-d12	21.939	240	402431	20.000	ng	0.00
86) Perylene-d12	25.376	264	350188	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	119341	28.090	ng	0.00
7) Phenol-d6	7.409	99	162785	27.738	ng	0.00
23) Nitrobenzene-d5	9.448	82	104389	20.625	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	72864	33.031	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	259546	17.316	ng	0.00
79) Terphenyl-d14	20.218	244	351214	17.529	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.679	178	220692	9.041	ng	98
74) Di-n-butylphthalate	18.573	149	105316	4.249	ng	99
75) Fluoranthene	19.671	202	387600	13.316	ng	98
78) Pyrene	20.035	202	494835	18.168	ng	99
80) Butylbenzylphthalate	20.905	149	5382	3.847	ng	# 95
81) Benzo(a)anthracene	21.916	228	271311	9.843	ng	97
83) Chrysene	21.986	228	278383	10.621	ng	99
87) Indeno(1,2,3-cd)pyrene	29.319	276	80937m	3.035	ng	
88) Benzo(b)fluoranthene	24.278	252	227902	10.271	ng	98
89) Benzo(k)fluoranthene	24.336	252	107028m	4.718	ng	
90) Benzo(a)pyrene	25.206	252	184796	9.669	ng	99
92) Benzo(g,h,i)perylene	30.558	276	68157	3.158	ng	94

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

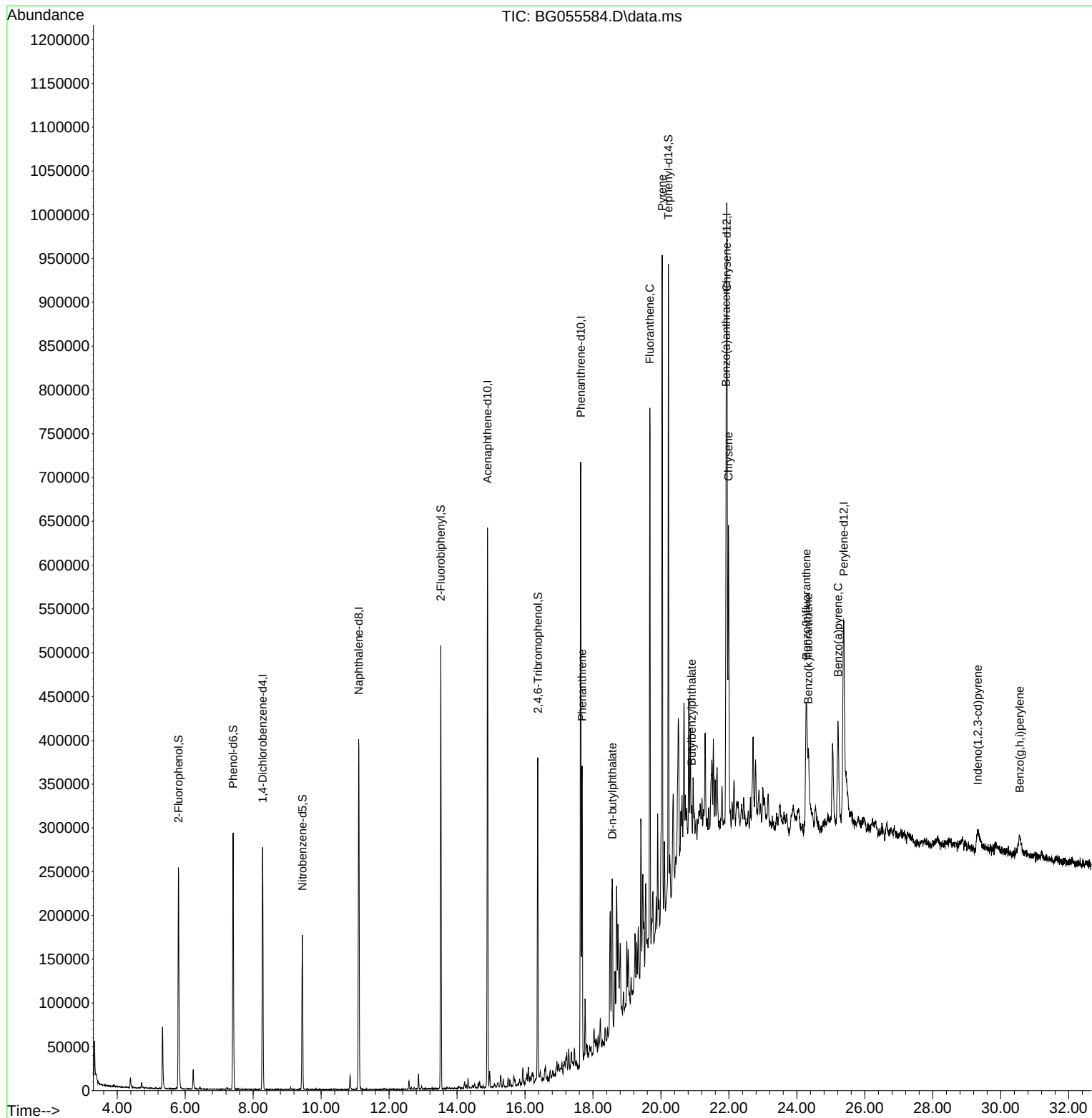
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
Data File : BG055584.D
Acq On : 12 Nov 2022 3:17
Operator : CG/JU
Sample : N5531-15 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

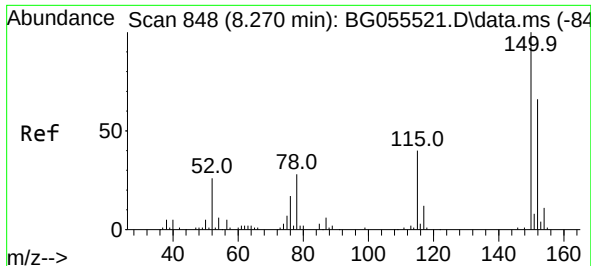
Instrument :
BNA_G
ClientSampleId :
SB-27

Quant Time: Nov 12 03:53:51 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

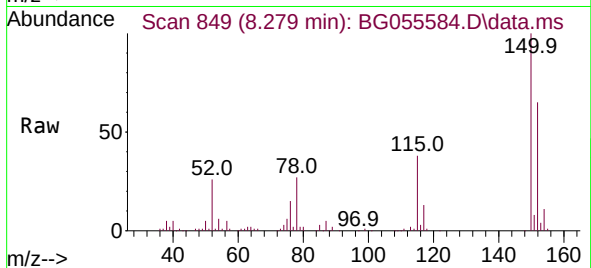
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.279 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

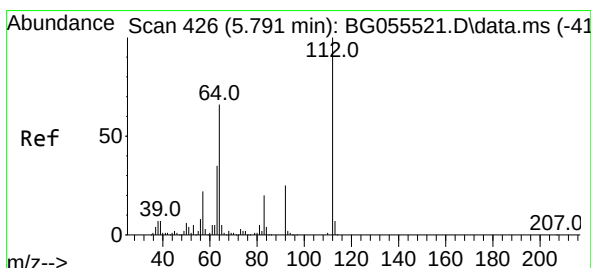
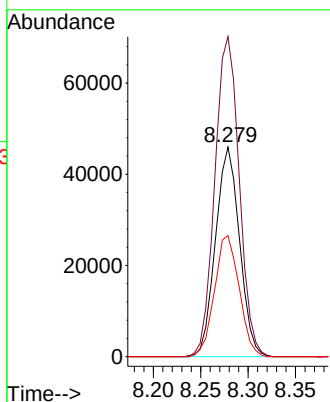
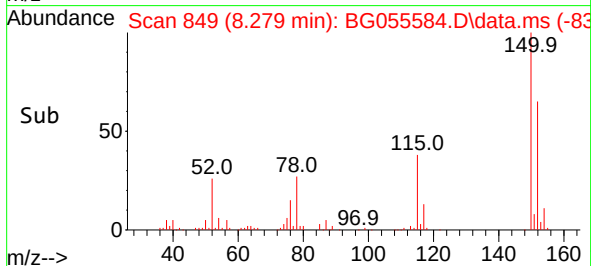
Instrument :
BNA_G
ClientSampleId :
SB-27



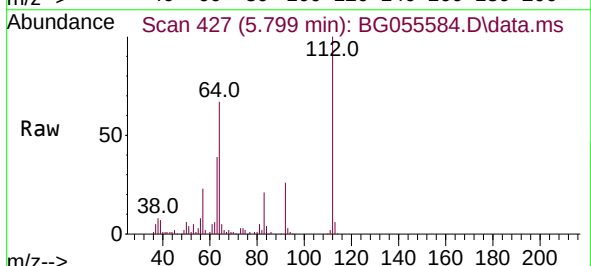
Tgt Ion:152 Resp: 80924
Ion Ratio Lower Upper
152 100
150 152.7 121.0 181.4
115 57.8 47.8 71.8

Manual Integrations
APPROVED

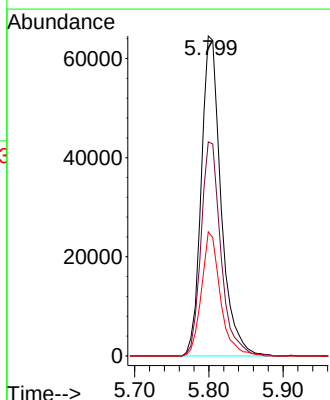
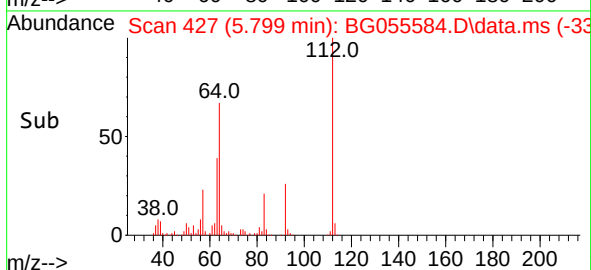
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

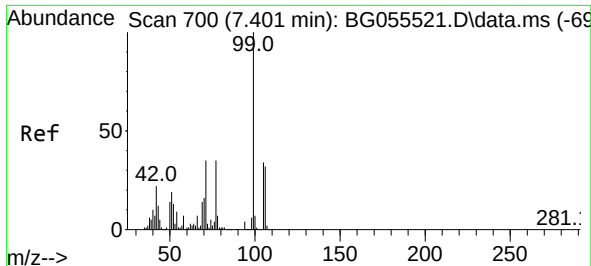


#5
2-Fluorophenol
Concen: 28.090 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17



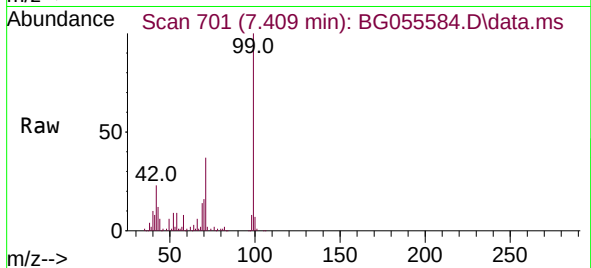
Tgt Ion:112 Resp: 119341
Ion Ratio Lower Upper
112 100
64 66.9 52.6 78.8
63 38.8 28.3 42.5





#7
Phenol-d6
Concen: 27.738 ng
RT: 7.409 min Scan# 700
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

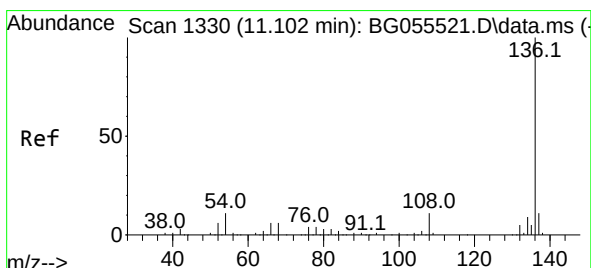
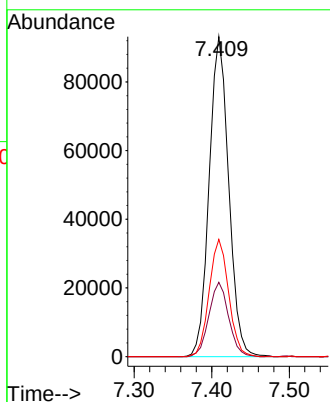
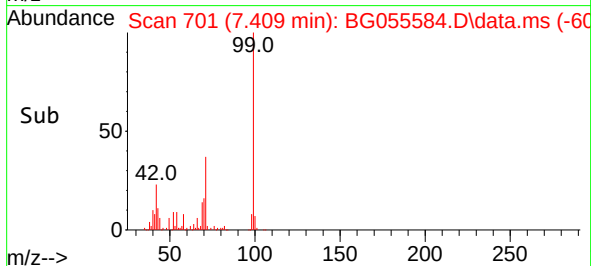
Instrument :
BNA_G
ClientSampleId :
SB-27



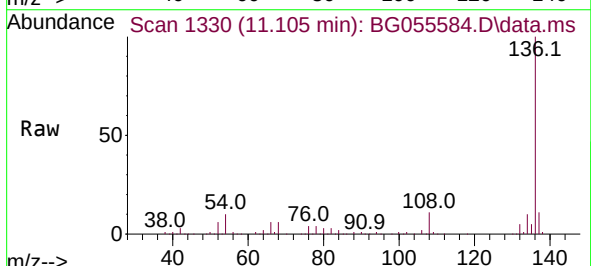
Tgt Ion: 99 Resp: 162785
Ion Ratio Lower Upper
99 100
42 23.2 17.5 26.3
71 36.6 28.3 42.5

Manual Integrations
APPROVED

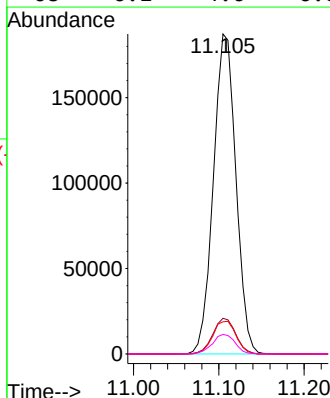
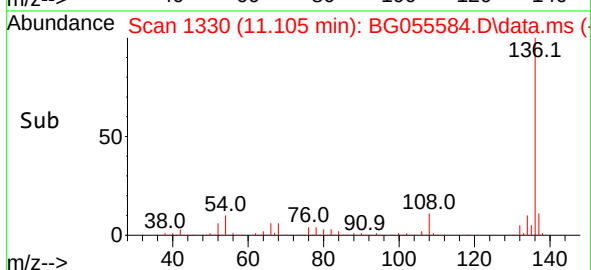
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

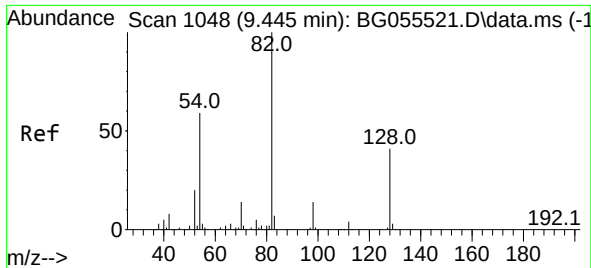


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 1330
Delta R.T. 0.003 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17



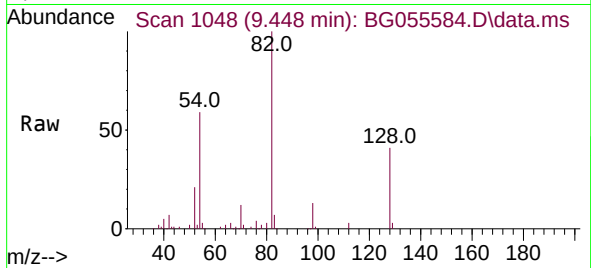
Tgt Ion:136 Resp: 343108
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.0 8.6 12.8
68 6.1 4.6 6.8





#23
Nitrobenzene-d5
Concen: 20.625 ng
RT: 9.448 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

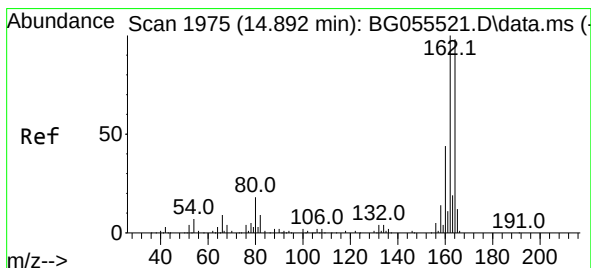
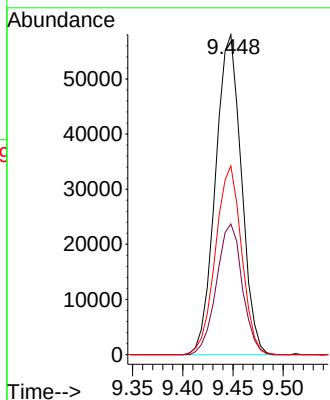
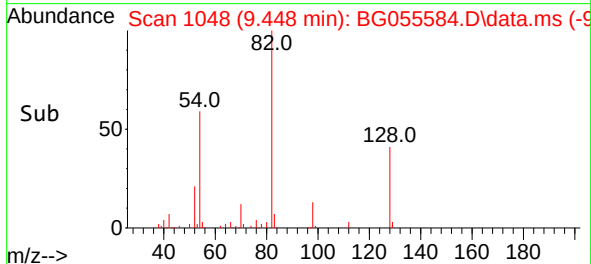
Instrument :
BNA_G
ClientSampleId :
SB-27



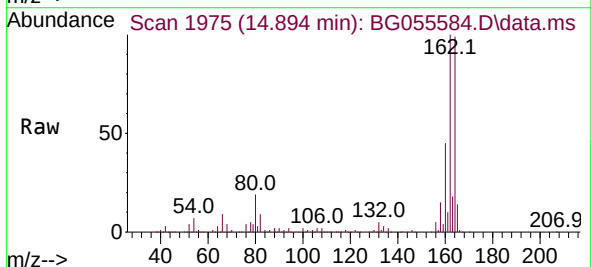
Tgt Ion: 82 Resp: 104389
Ion Ratio Lower Upper
82 100
128 40.8 32.6 49.0
54 59.0 47.3 70.9

Manual Integrations
APPROVED

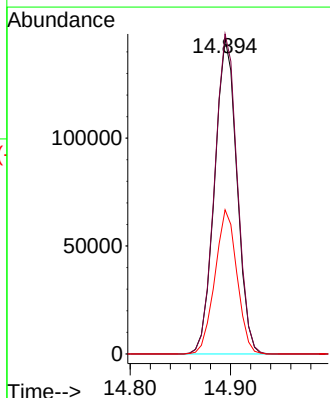
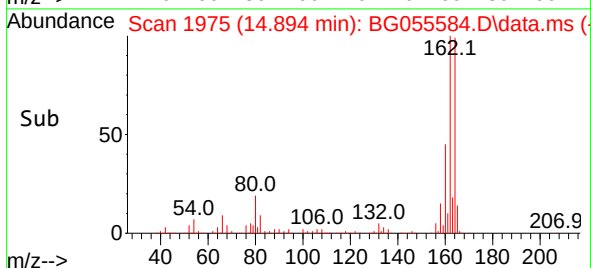
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

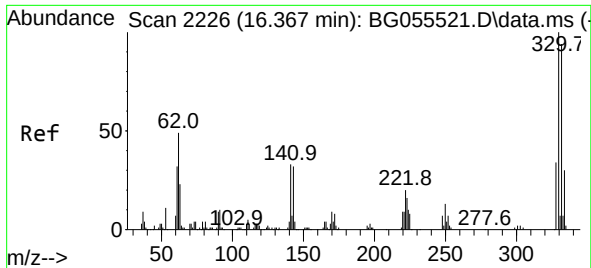


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. 0.002 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17



Tgt Ion:164 Resp: 226089
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 45.7 35.9 53.9





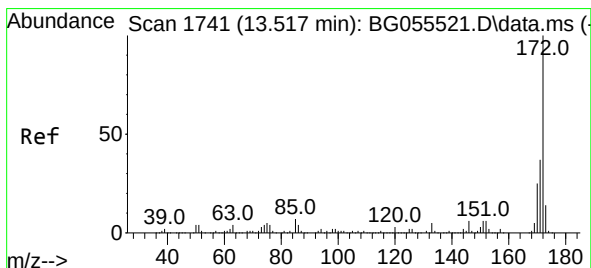
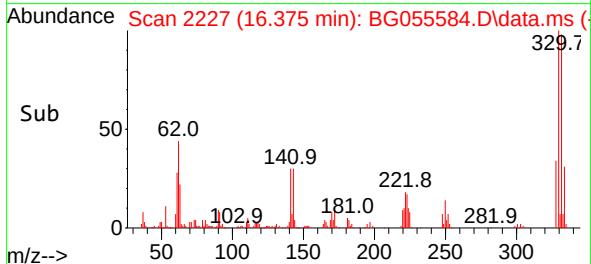
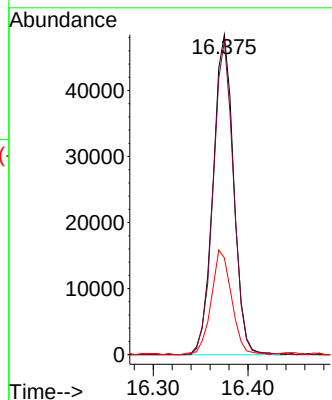
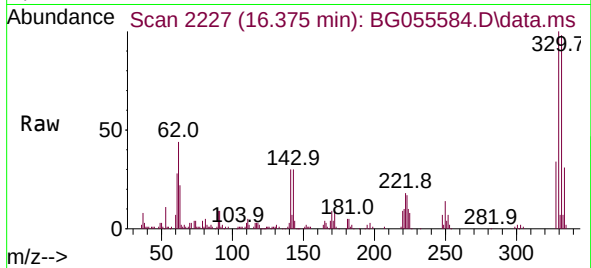
#42
2,4,6-Tribromophenol
Concen: 33.031 ng
RT: 16.375 min Scan# 2226
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Instrument :
BNA_G
ClientSampleId :
SB-27

Tgt Ion:330 Resp: 72864
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 32.5 25.4 38.2

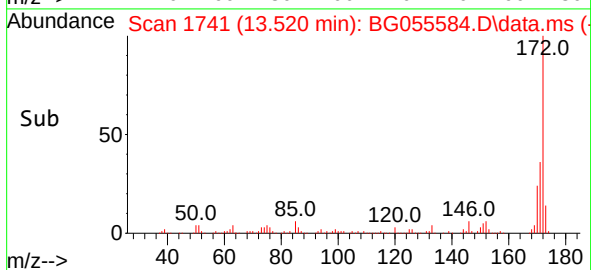
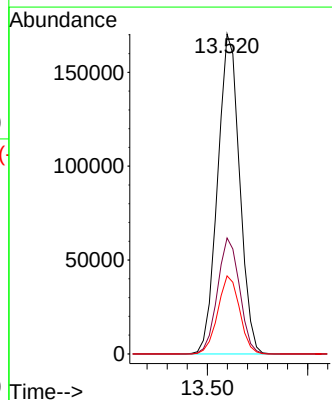
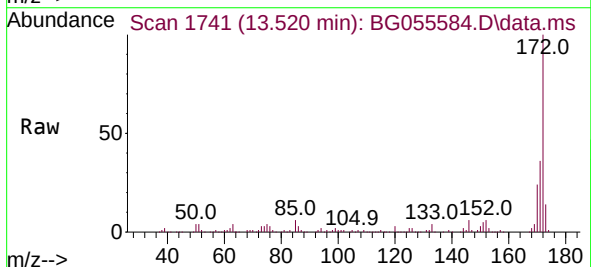
Manual Integrations
APPROVED

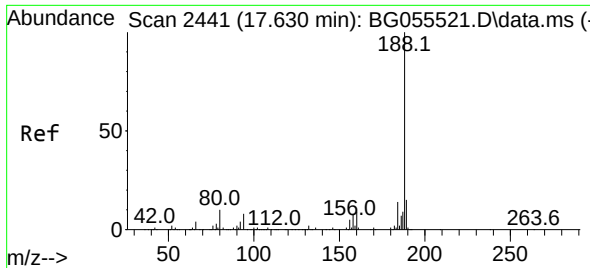
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#45
2-Fluorobiphenyl
Concen: 17.316 ng
RT: 13.520 min Scan# 1741
Delta R.T. 0.003 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

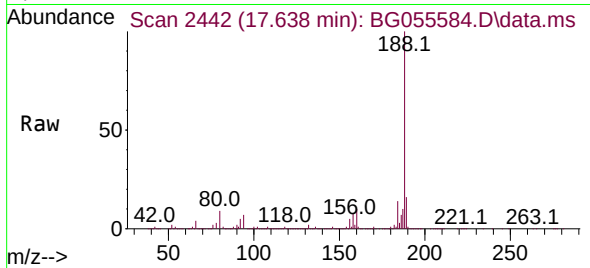
Tgt Ion:172 Resp: 259546
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.4 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.638 min Scan# 2441
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

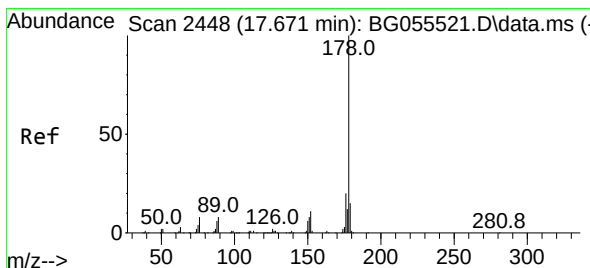
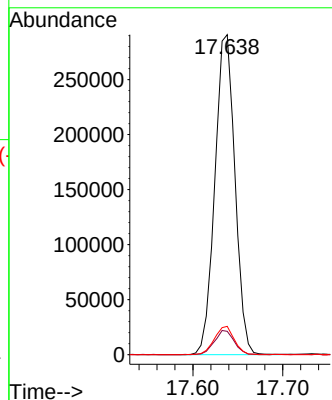
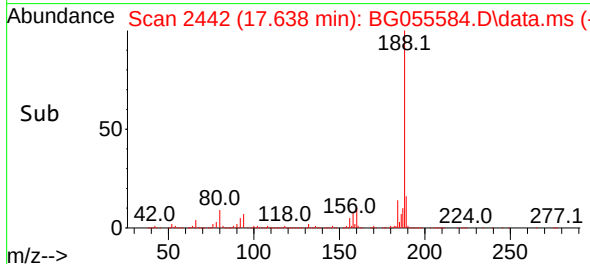
Instrument :
BNA_G
ClientSampleId :
SB-27



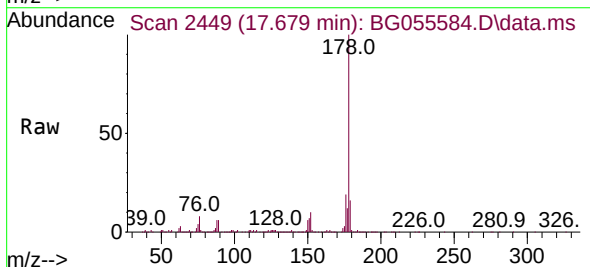
Tgt Ion:188 Resp: 454183
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 8.9 7.6 11.4

Manual Integrations
APPROVED

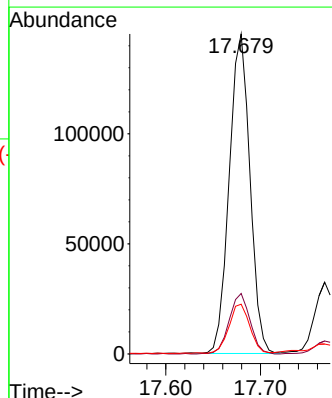
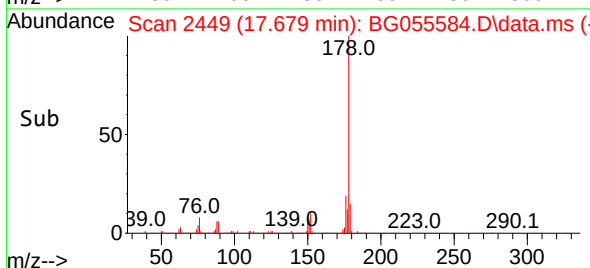
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

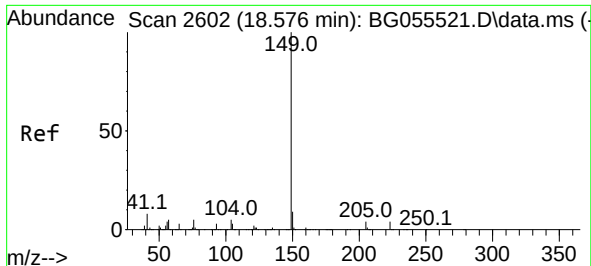


#71
Phenanthrene
Concen: 9.041 ng
RT: 17.679 min Scan# 2449
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17



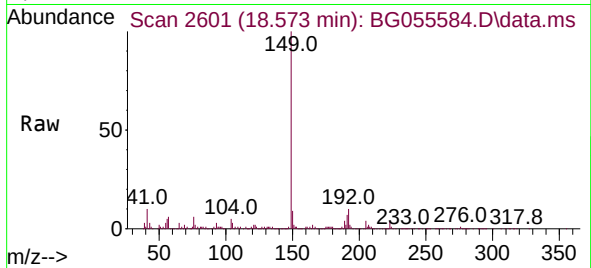
Tgt Ion:178 Resp: 220692
Ion Ratio Lower Upper
178 100
176 18.9 16.1 24.1
179 15.5 12.2 18.4





#74
Di-n-butylphthalate
Concen: 4.249 ng
RT: 18.573 min Scan# 2602
Delta R.T. -0.003 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

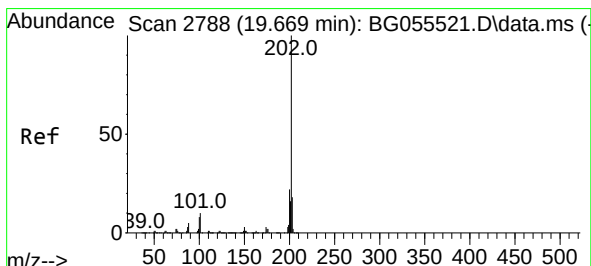
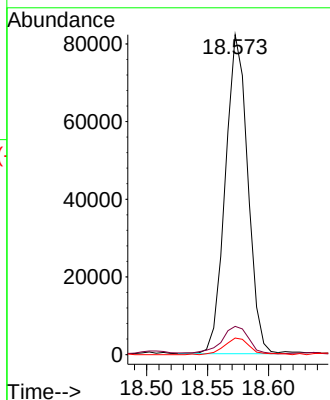
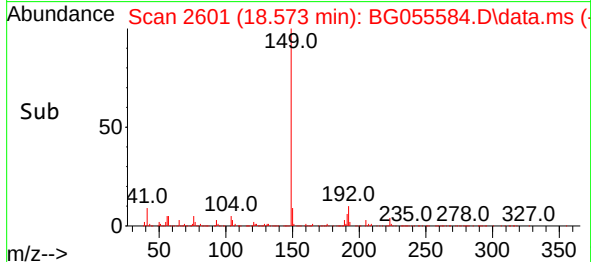
Instrument :
BNA_G
ClientSampleId :
SB-27



Tgt Ion:149 Resp: 105316
Ion Ratio Lower Upper
149 100
150 8.8 7.5 11.3
104 5.2 4.2 6.4

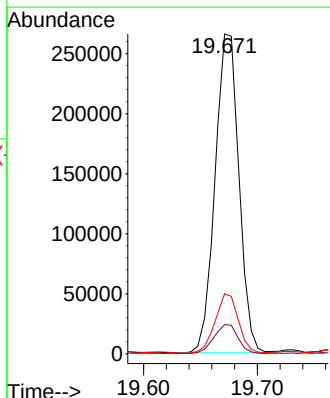
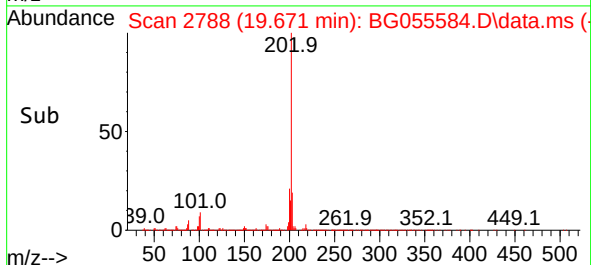
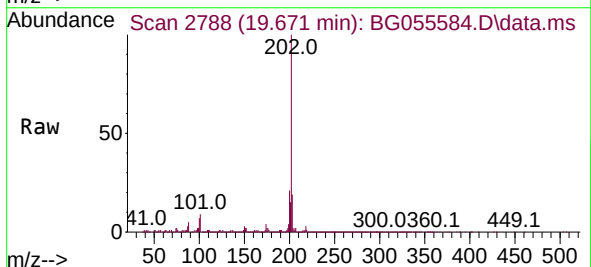
Manual Integrations
APPROVED

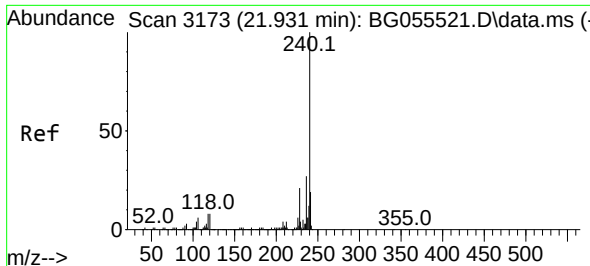
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#75
Fluoranthene
Concen: 13.316 ng
RT: 19.671 min Scan# 2788
Delta R.T. 0.002 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Tgt Ion:202 Resp: 387600
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.8
203 18.8 0.0 38.2





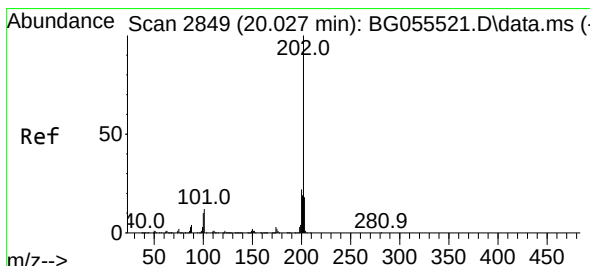
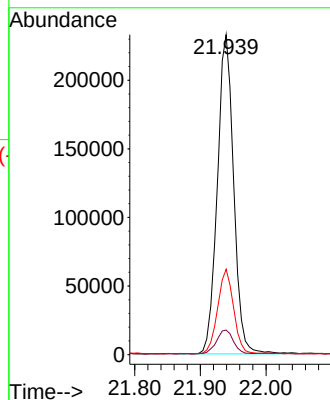
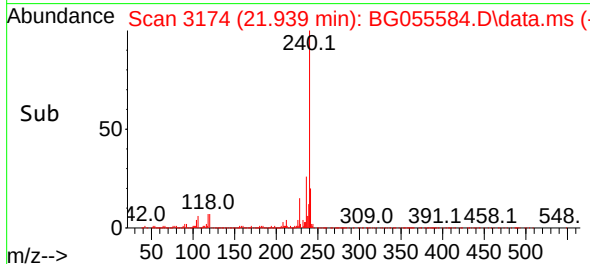
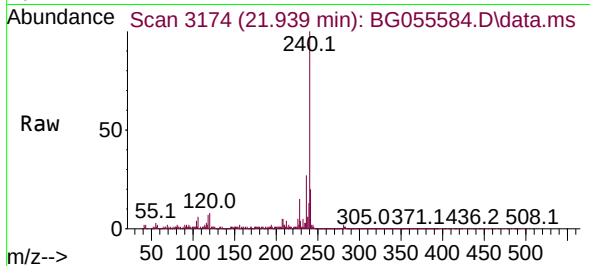
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.939 min Scan# 3173
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Instrument :
BNA_G
ClientSampleId :
SB-27

Tgt Ion:240 Resp: 402431
Ion Ratio Lower Upper
240 100
120 7.7 6.1 9.1
236 26.7 21.4 32.0

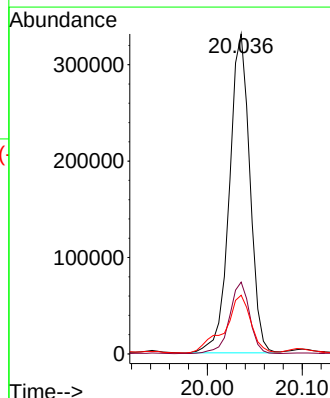
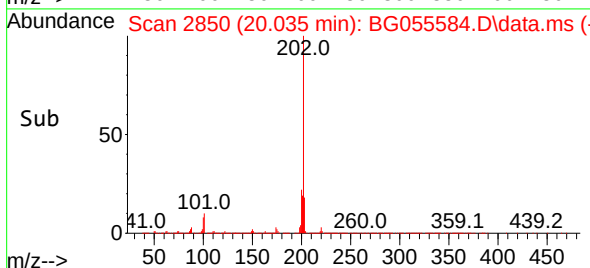
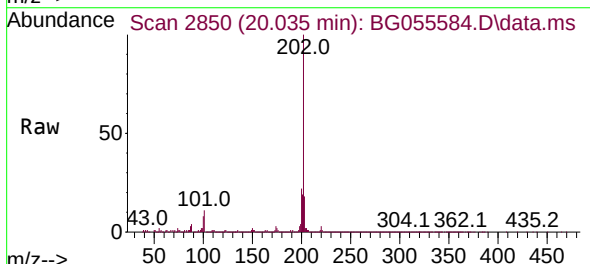
Manual Integrations
APPROVED

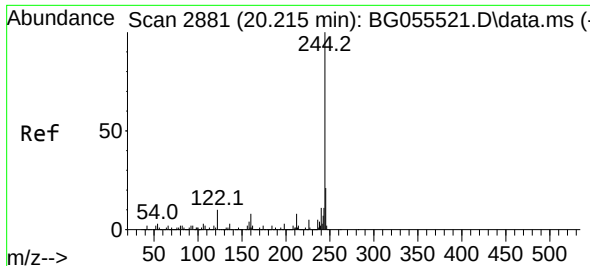
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#78
Pyrene
Concen: 18.168 ng
RT: 20.035 min Scan# 2850
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

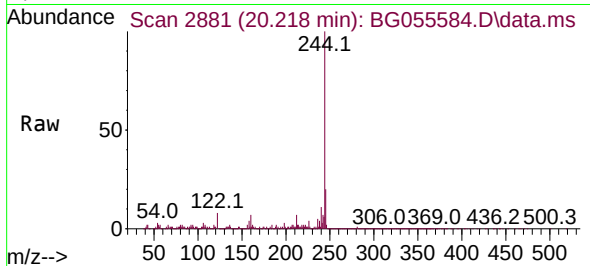
Tgt Ion:202 Resp: 494835
Ion Ratio Lower Upper
202 100
200 22.5 18.0 27.0
203 18.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 17.529 ng
 RT: 20.218 min Scan# 2881
 Delta R.T. 0.003 min
 Lab File: BG055584.D
 Acq: 12 Nov 2022 3:17

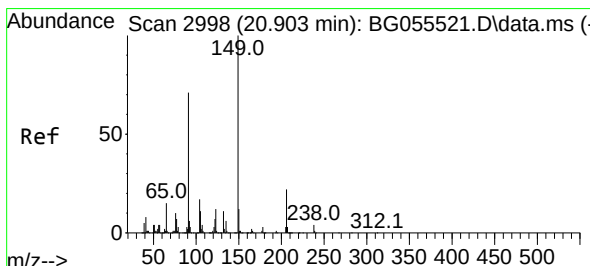
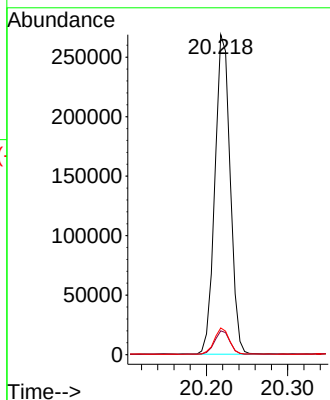
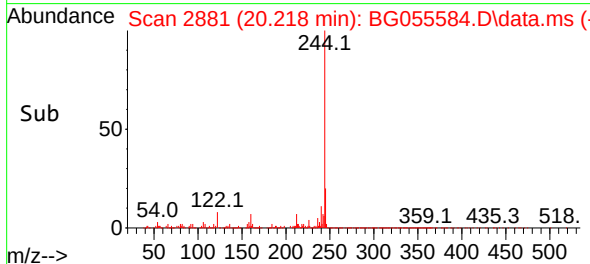
Instrument :
 BNA_G
 ClientSampleId :
 SB-27



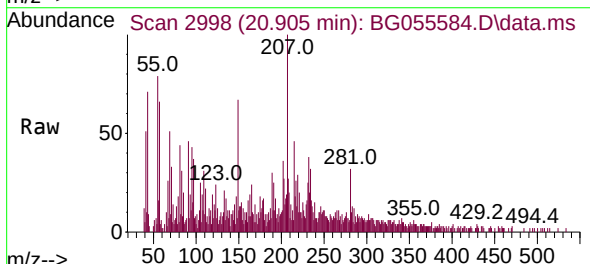
Tgt Ion:244 Resp: 351214
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 8.3 7.7 11.5

Manual Integrations
 APPROVED

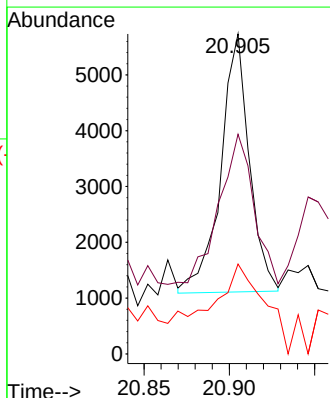
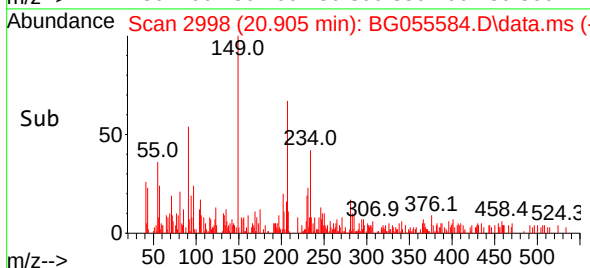
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

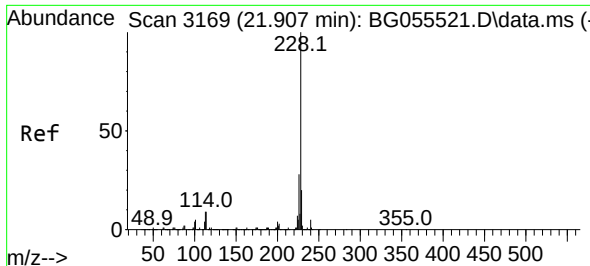


#80
 Butylbenzylphthalate
 Concen: 3.847 ng
 RT: 20.905 min Scan# 2998
 Delta R.T. 0.002 min
 Lab File: BG055584.D
 Acq: 12 Nov 2022 3:17



Tgt Ion:149 Resp: 5382
 Ion Ratio Lower Upper
 149 100
 91 68.6 56.8 85.2
 206 28.1 17.3 25.9





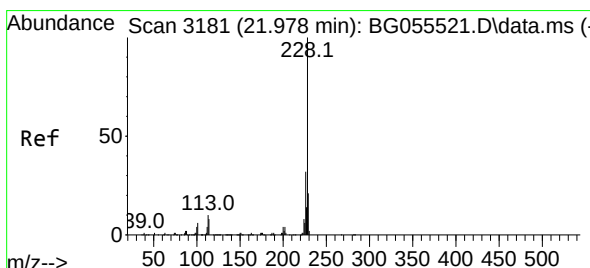
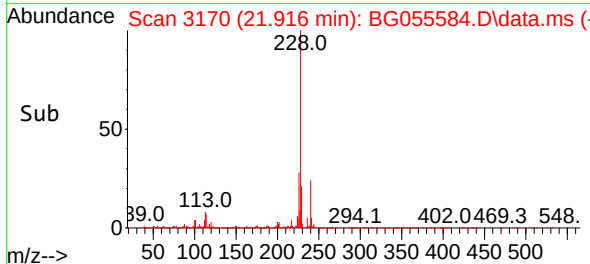
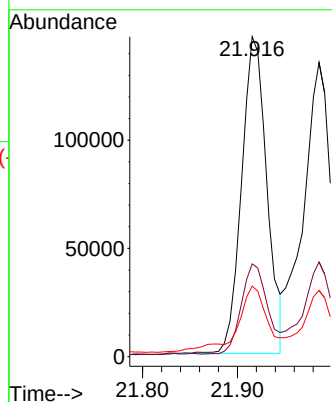
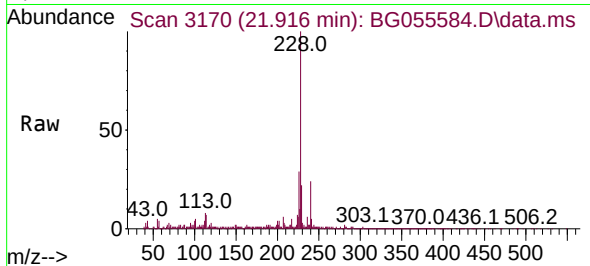
#81
Benzo(a)anthracene
Concen: 9.843 ng
RT: 21.916 min Scan# 3169
Delta R.T. 0.009 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Instrument :
BNA_G
ClientSampleId :
SB-27

Tgt Ion:228 Resp: 271311
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 22.1 16.1 24.1

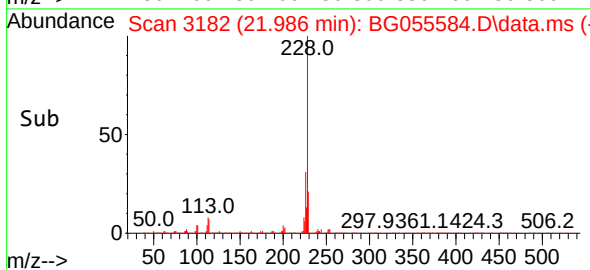
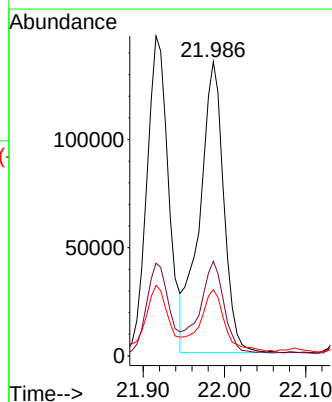
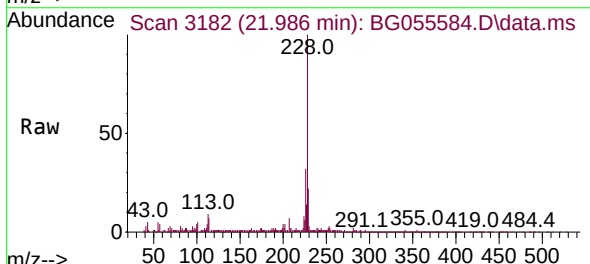
Manual Integrations
APPROVED

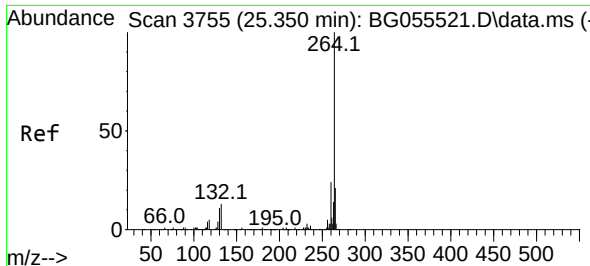
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#83
Chrysene
Concen: 10.621 ng
RT: 21.986 min Scan# 3182
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

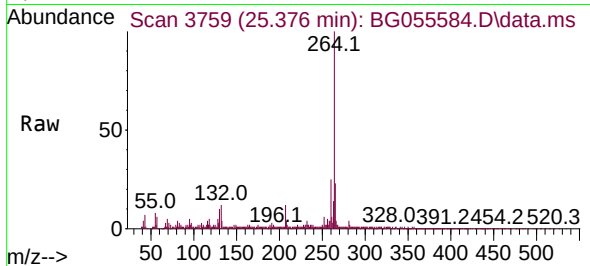
Tgt Ion:228 Resp: 278383
Ion Ratio Lower Upper
228 100
226 32.2 25.7 38.5
229 22.5 16.6 25.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.376 min Scan# 31
Delta R.T. 0.026 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

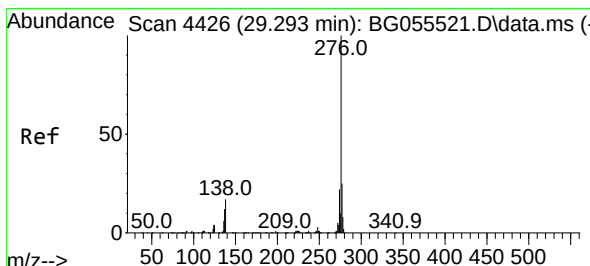
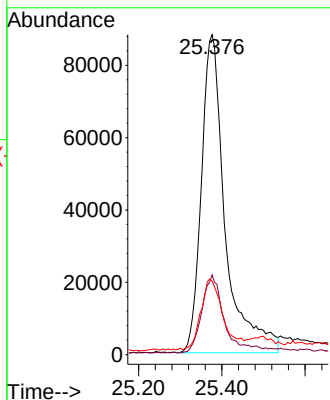
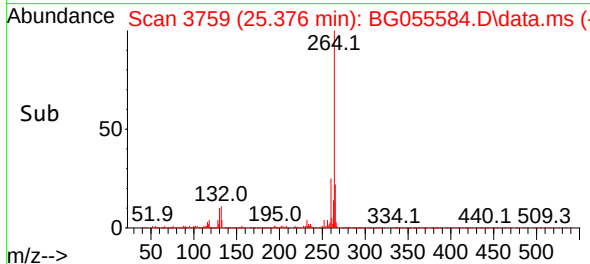
Instrument :
BNA_G
ClientSampleId :
SB-27



Tgt Ion:264 Resp: 350188
Ion Ratio Lower Upper
264 100
260 24.9 19.4 29.2
265 23.0 17.1 25.7

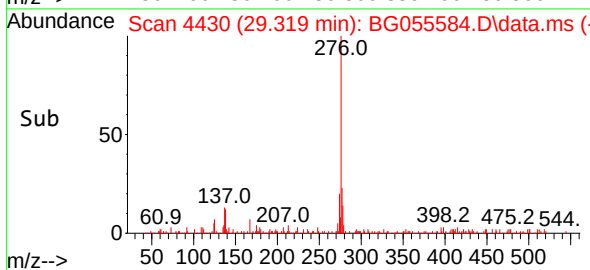
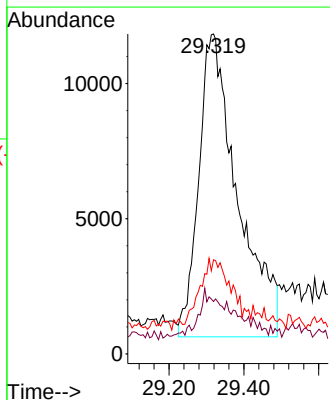
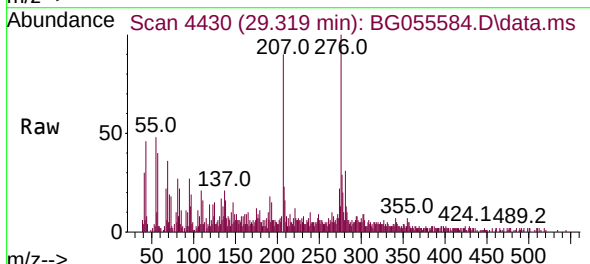
Manual Integrations
APPROVED

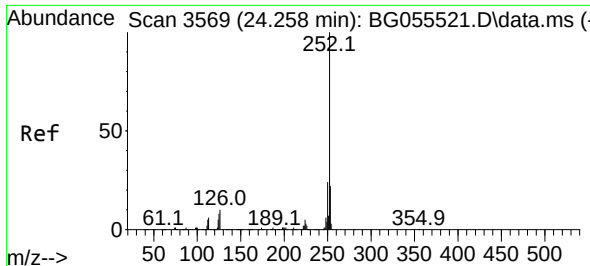
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.035 ng m
RT: 29.319 min Scan# 4430
Delta R.T. 0.026 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

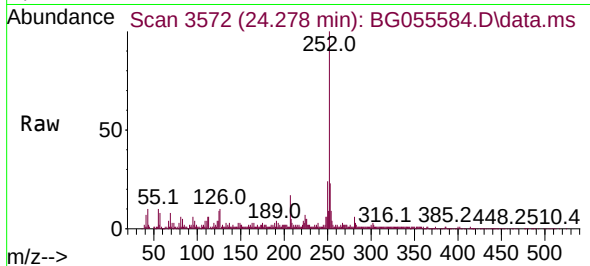
Tgt Ion:276 Resp: 80937
Ion Ratio Lower Upper
276 100
138 0.0 11.5 17.3#
277 17.1 20.4 30.6#





#88
Benzo(b)fluoranthene
Concen: 10.271 ng
RT: 24.278 min Scan# 3569
Delta R.T. 0.020 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

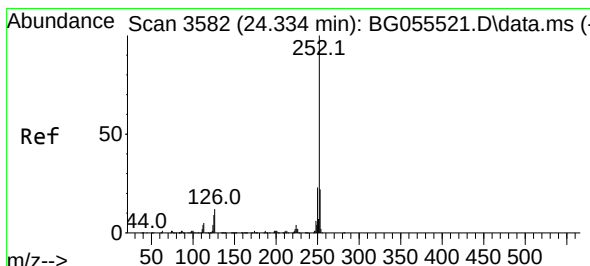
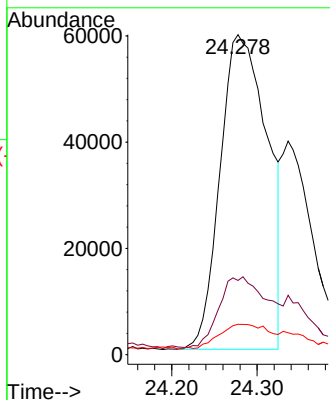
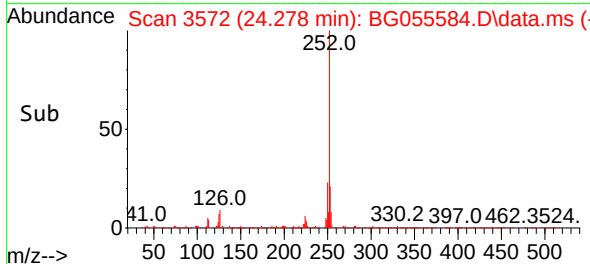
Instrument :
BNA_G
ClientSampleId :
SB-27



Tgt Ion:252 Resp: 227902
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 9.5 6.7 10.1

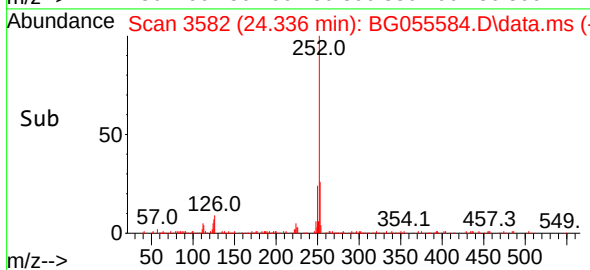
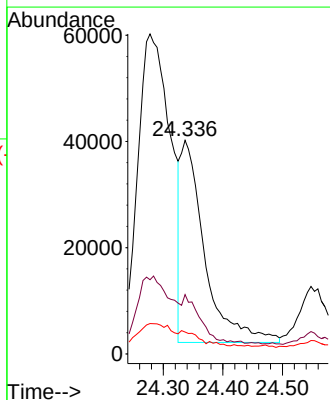
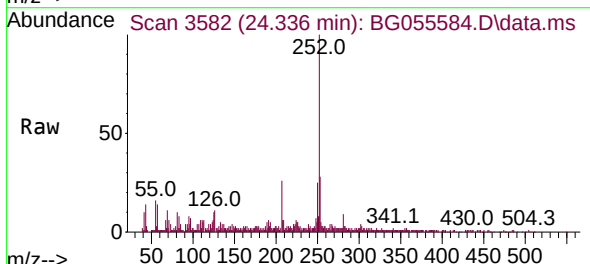
Manual Integrations
APPROVED

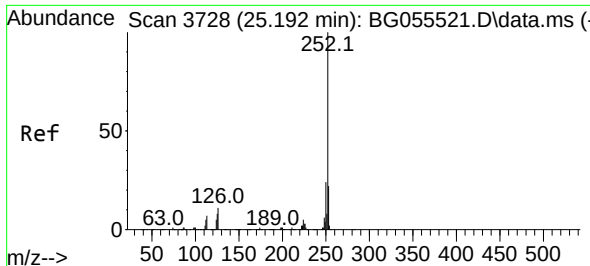
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#89
Benzo(k)fluoranthene
Concen: 4.718 ng m
RT: 24.336 min Scan# 3582
Delta R.T. 0.002 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

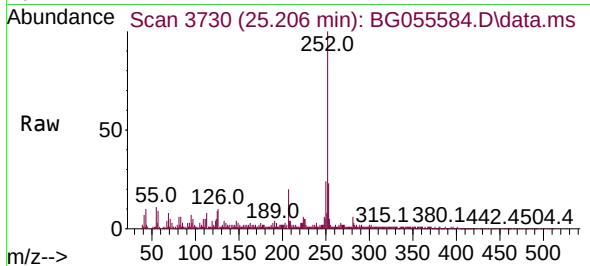
Tgt Ion:252 Resp: 107028
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.8#
125 10.3 6.9 10.3





#90
Benzo(a)pyrene
Concen: 9.669 ng
RT: 25.206 min Scan# 31
Delta R.T. 0.014 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

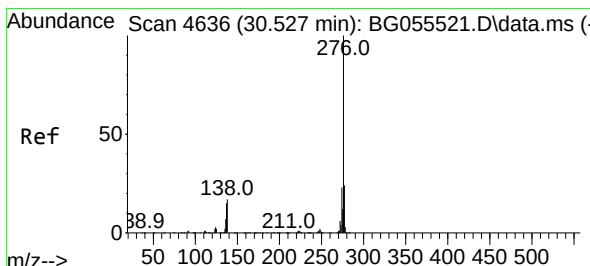
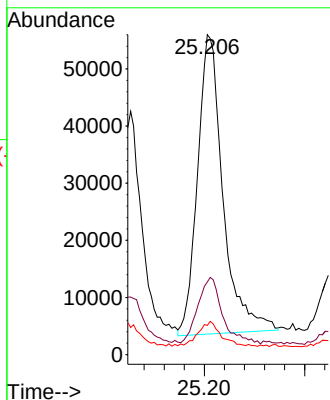
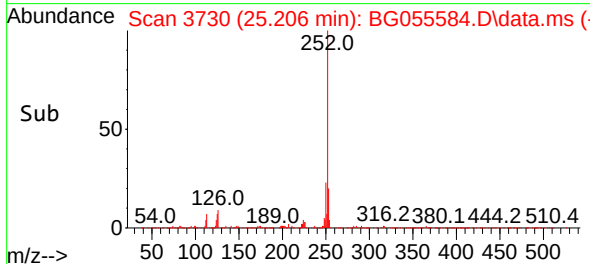
Instrument :
BNA_G
ClientSampleId :
SB-27



Tgt Ion:252 Resp: 184796
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 9.1 6.7 10.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#92
Benzo(g,h,i)perylene
Concen: 3.158 ng
RT: 30.558 min Scan# 4641
Delta R.T. 0.031 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Tgt Ion:276 Resp: 68157
Ion Ratio Lower Upper
276 100
277 28.2 19.3 28.9
138 16.3 13.9 20.9

