

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054569.D
 Acq On : 9 Aug 2022 14:18
 Operator : CG/JU
 Sample : N4063-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5D

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 09 17:03:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	17937	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	71594	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	51153	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	119642	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	138276	20.000	ng	# 0.00
86) Perylene-d12	24.862	264	147142	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	132097	153.762	ng	0.00
7) Phenol-d6	7.183	99	175838	149.372	ng	0.00
23) Nitrobenzene-d5	9.145	82	119027	90.536	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	132595	123.456	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	336883	92.905	ng	0.00
79) Terphenyl-d14	19.980	244	621202	89.122	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.345	152	221519	50.903	ng	99
58) Fluorene	15.696	166	12519	3.247	ng	# 55
72) Anthracene	17.500	178	64088	10.961	ng	99
75) Fluoranthene	19.421	202	101247	12.466	ng	93
78) Pyrene	19.797	202	1581668m	199.349	ng	
81) Benzo(a)anthracene	21.619	228	188659	21.493	ng	# 76
83) Chrysene	21.660	228	410969	49.557	ng	# 70
87) Indeno(1,2,3-cd)pyrene	28.564	276	545778	48.757	ng	96
88) Benzo(b)fluoranthene	23.852	252	898362m	103.239	ng	
89) Benzo(k)fluoranthene	23.899	252	312703m	36.108	ng	
90) Benzo(a)pyrene	24.727	252	1004810m	135.211	ng	
91) Dibenzo(a,h)anthracene	28.575	278	128856	13.999	ng	# 88
92) Benzo(g,h,i)perylene	29.727	276	560192	61.664	ng	# 93

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

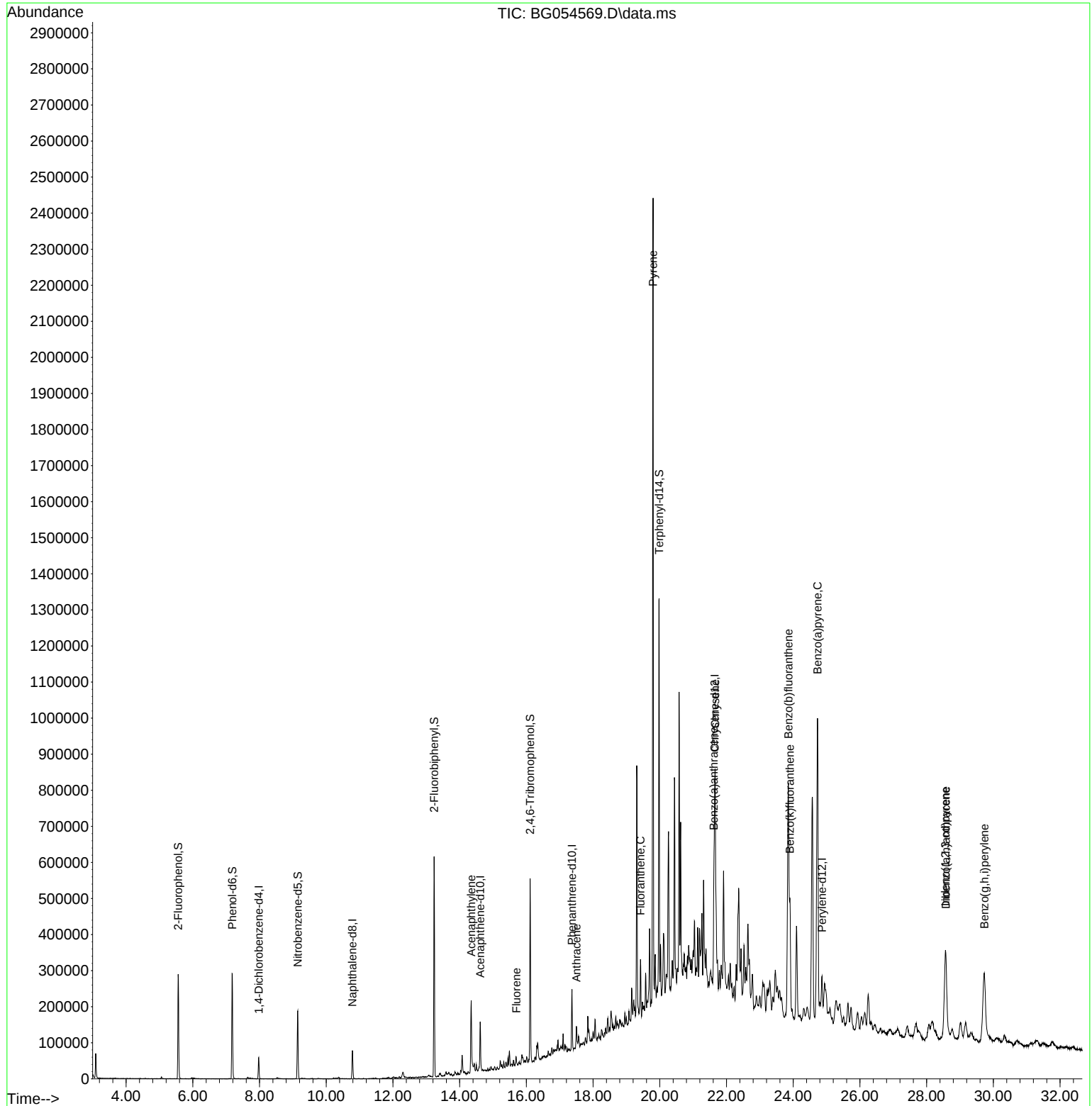
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
Data File : BG054569.D
Acq On : 9 Aug 2022 14:18
Operator : CG/JU
Sample : N4063-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

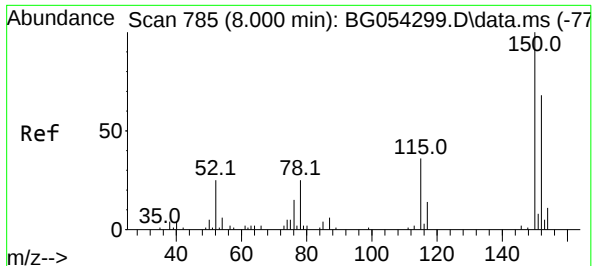
Instrument :
BNA_G
ClientSampleId :
P-5D

Quant Time: Aug 09 17:03:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

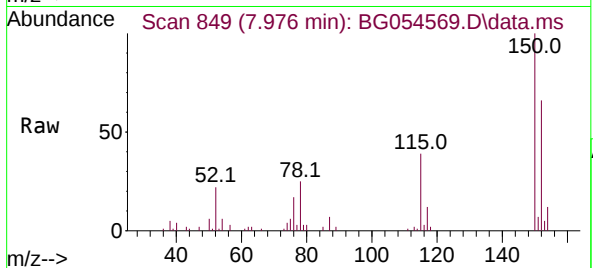
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

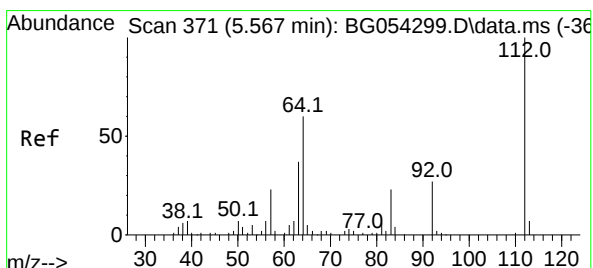
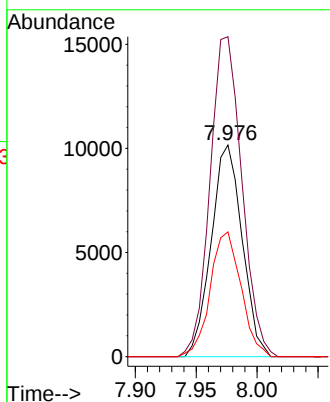
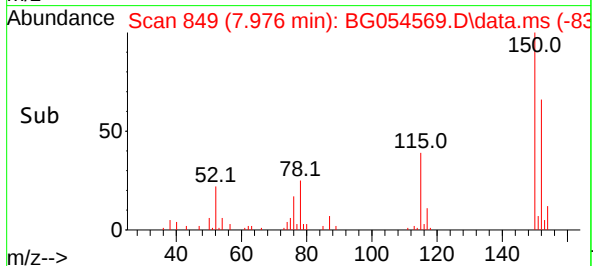
Instrument :
BNA_G
ClientSampleId :
P-5D



Tgt Ion:152 Resp: 1793
Ion Ratio Lower Upper
152 100
150 151.3 131.6 197.4
115 58.9 50.9 76.3

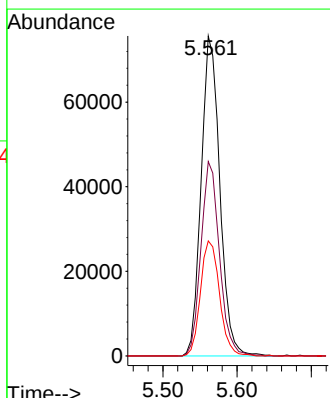
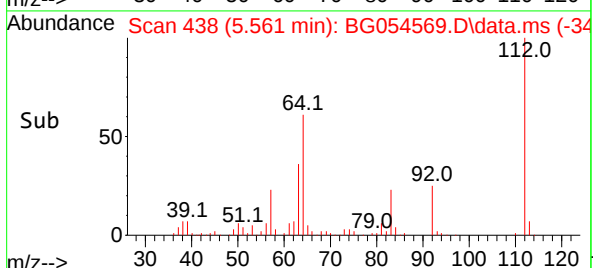
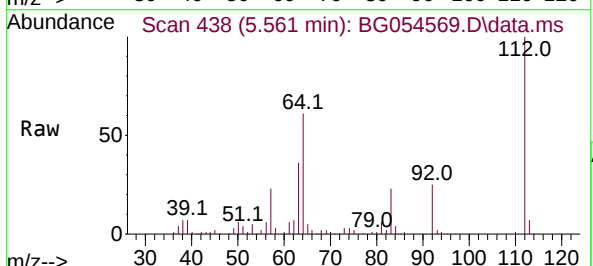
Manual Integrations
APPROVED

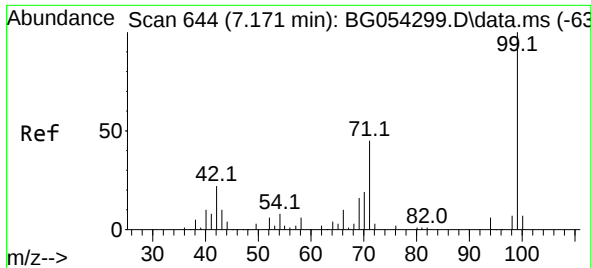
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#5
2-Fluorophenol
Concen: 153.762 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

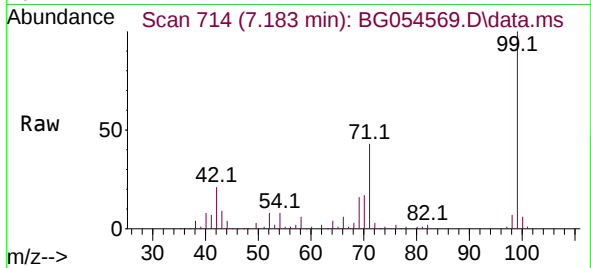
Tgt Ion:112 Resp: 132097
Ion Ratio Lower Upper
112 100
64 60.7 55.1 82.7
63 35.9 30.4 45.6





#7
Phenol-d6
Concen: 149.372 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

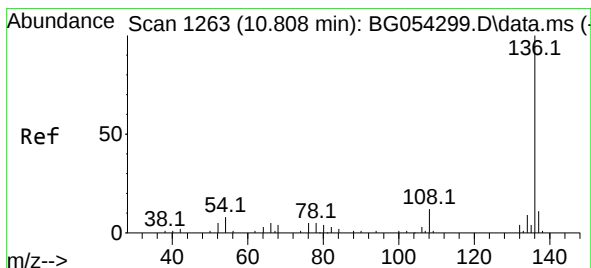
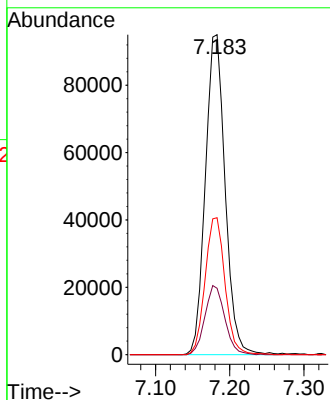
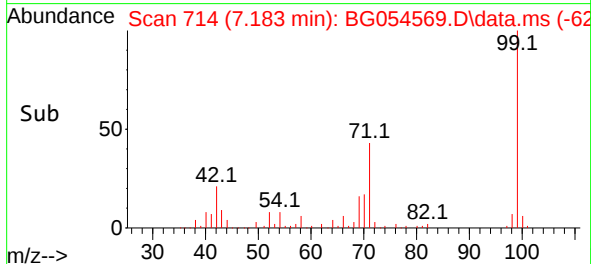
Instrument :
BNA_G
ClientSampleId :
P-5D



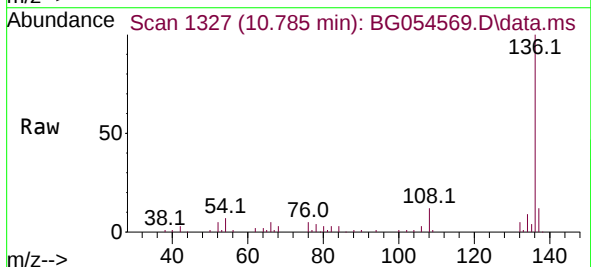
Tgt Ion: 99 Resp: 175838
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 42.8 33.8 50.8

Manual Integrations
APPROVED

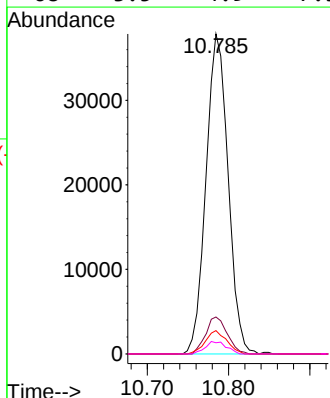
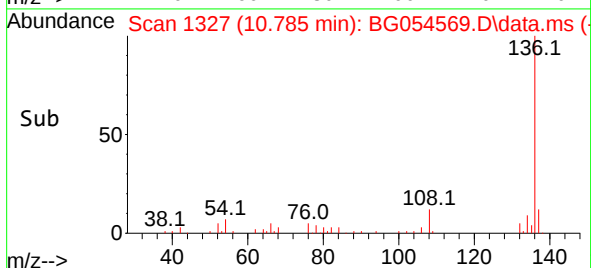
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18



Tgt Ion:136 Resp: 71594
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 7.3 7.4 11.2#
68 3.5 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 90.536 ng

RT: 9.145 min Scan# 1048

Delta R.T. 0.004 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

Instrument :

BNA_G

ClientSampleId :

P-5D

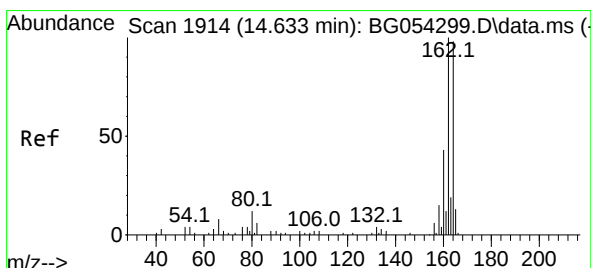
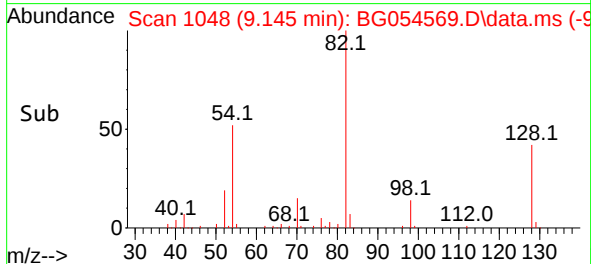
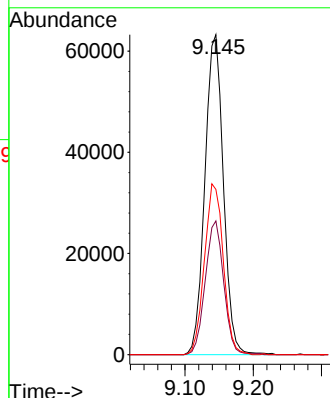
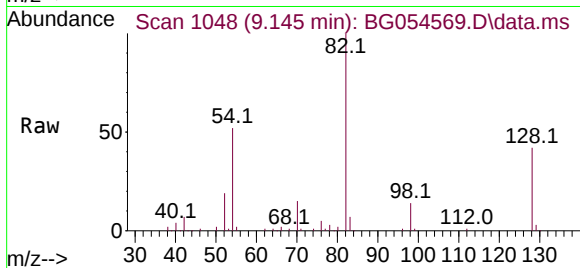
Tgt Ion: 82 Resp: 11902

Ion	Ratio	Lower	Upper
82	100		
128	41.8	27.9	41.9
54	51.6	41.2	61.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.615 min Scan# 1979

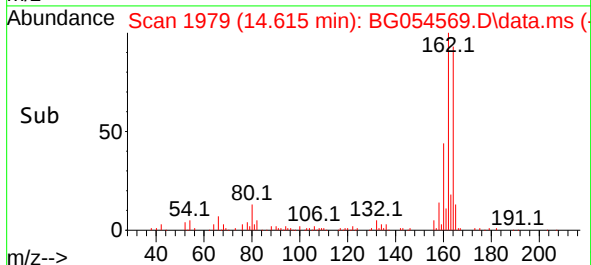
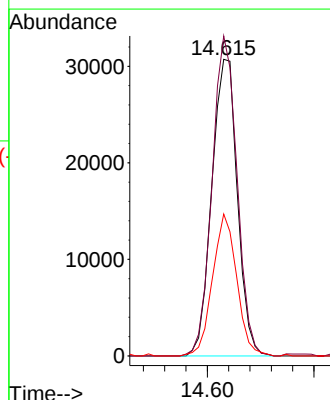
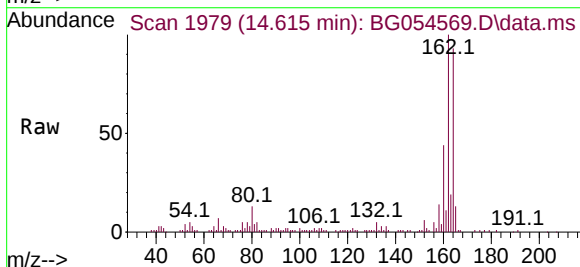
Delta R.T. -0.002 min

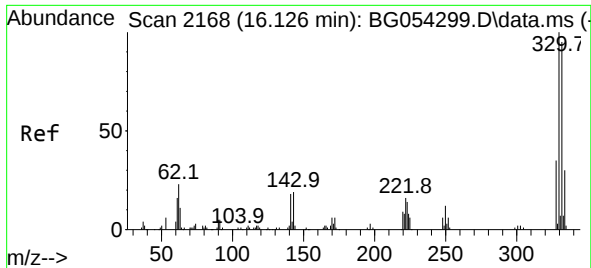
Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

Tgt Ion:164 Resp: 51153

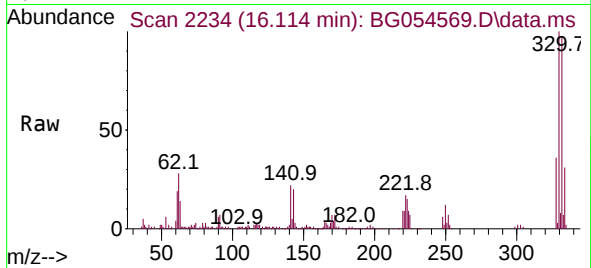
Ion	Ratio	Lower	Upper
164	100		
162	107.9	82.3	123.5
160	47.8	34.2	51.2





#42
2,4,6-Tribromophenol
Concen: 123.456 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

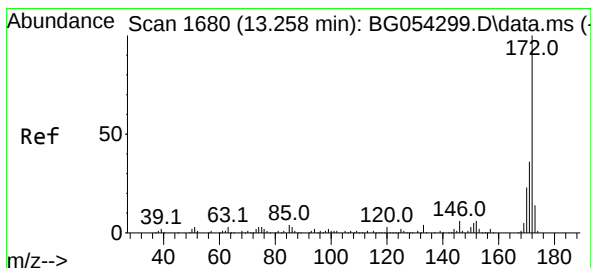
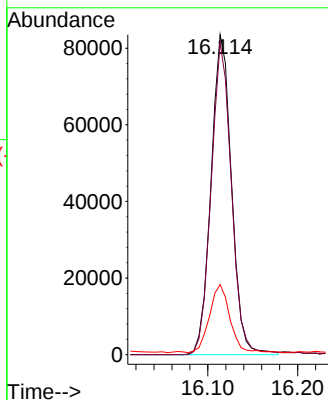
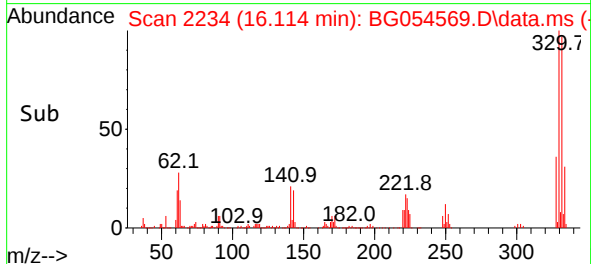
Instrument :
BNA_G
ClientSampleId :
P-5D



Tgt Ion:330 Resp: 132595
Ion Ratio Lower Upper
330 100
332 97.4 76.0 114.0
141 21.2 27.1 40.7

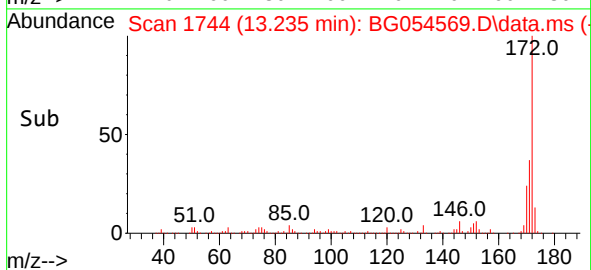
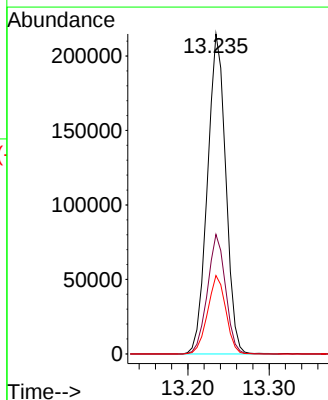
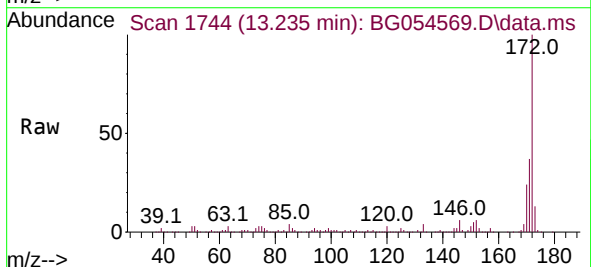
Manual Integrations
APPROVED

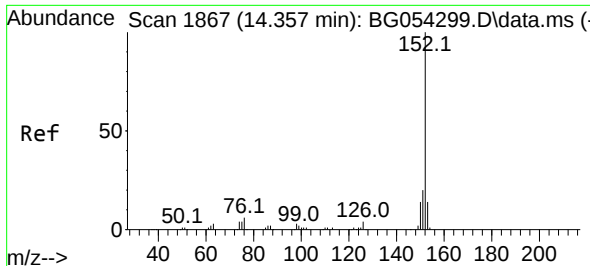
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#45
2-Fluorobiphenyl
Concen: 92.905 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

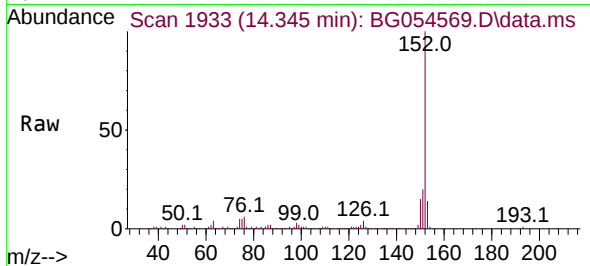
Tgt Ion:172 Resp: 336883
Ion Ratio Lower Upper
172 100
171 37.3 28.5 42.7
170 24.5 18.9 28.3





#49
Acenaphthylene
Concen: 50.903 ng
RT: 14.345 min Scan# 1933
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

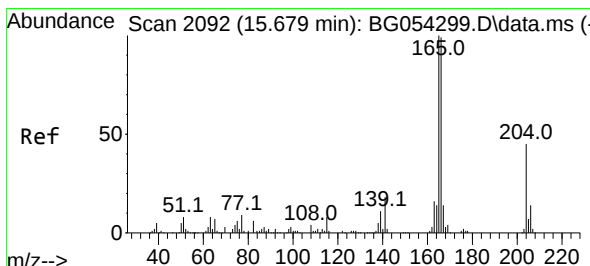
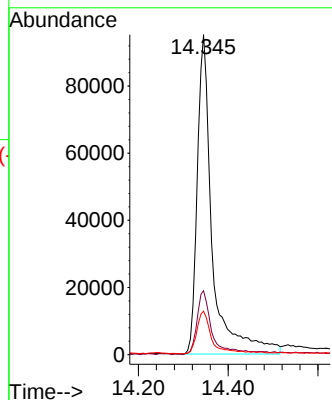
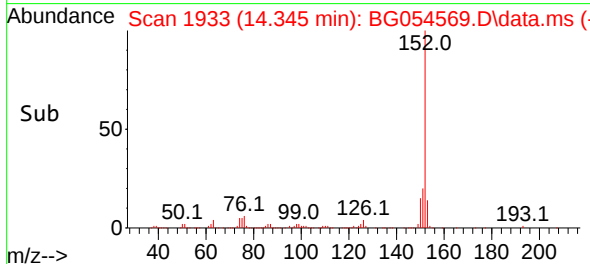
Instrument :
BNA_G
ClientSampleId :
P-5D



Tgt Ion:152 Resp: 221519
Ion Ratio Lower Upper
152 100
151 19.9 16.4 24.6
153 13.6 10.8 16.2

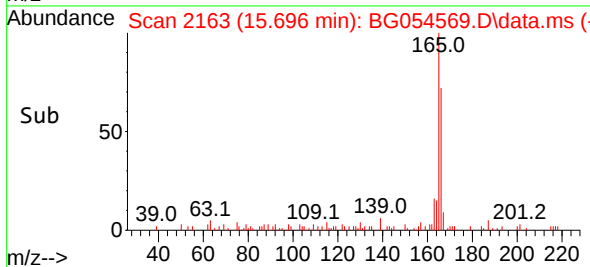
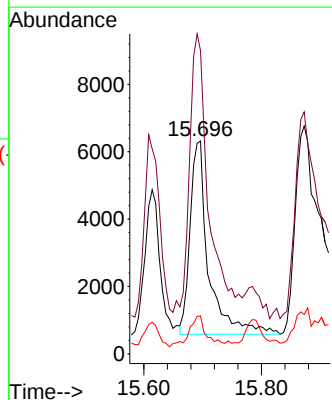
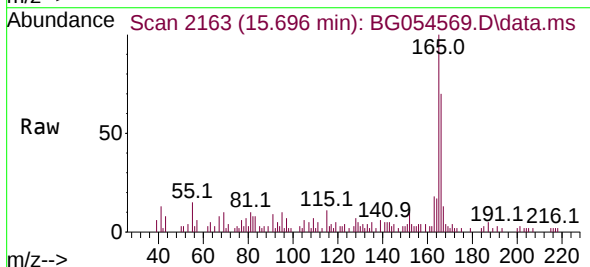
Manual Integrations
APPROVED

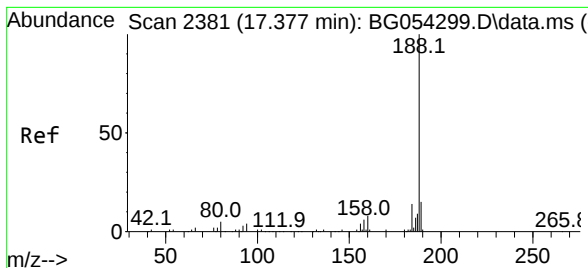
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#58
Fluorene
Concen: 3.247 ng
RT: 15.696 min Scan# 2163
Delta R.T. 0.033 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

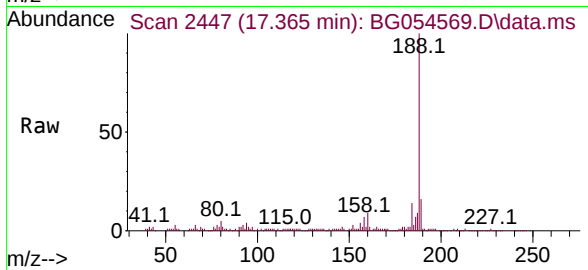
Tgt Ion:166 Resp: 12519
Ion Ratio Lower Upper
166 100
165 142.4 75.0 112.6#
167 17.9 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

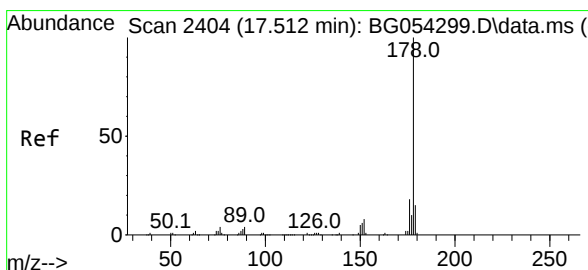
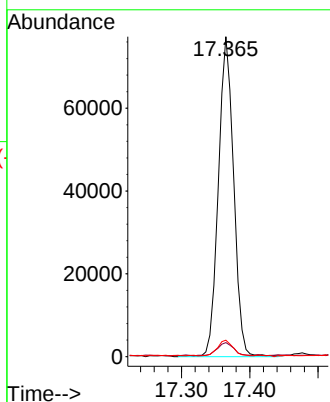
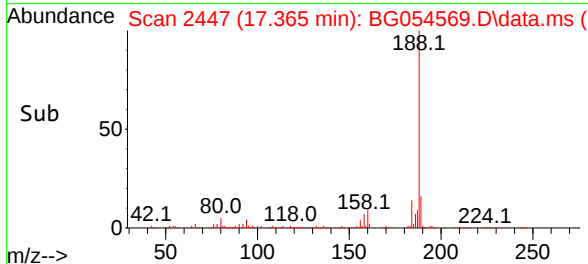
Instrument :
BNA_G
ClientSampleId :
P-5D



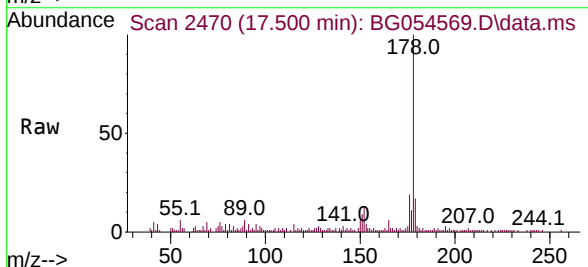
Tgt Ion:188 Resp: 119642
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0
80 5.1 6.8 10.2

Manual Integrations
APPROVED

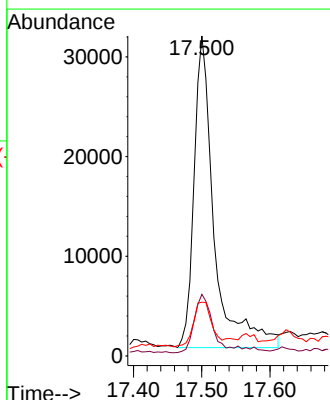
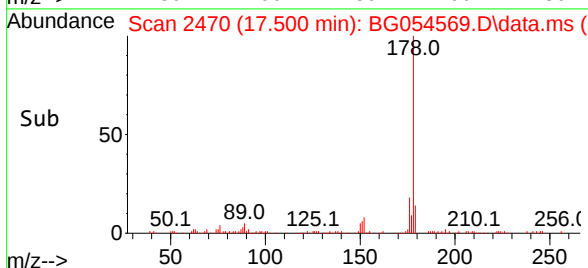
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

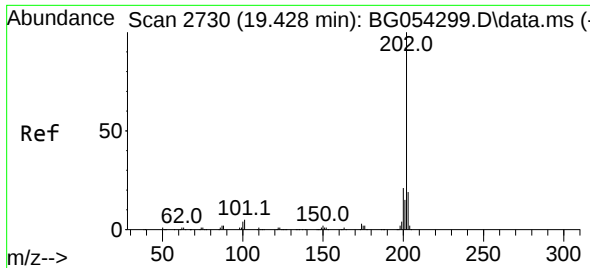


#72
Anthracene
Concen: 10.961 ng
RT: 17.500 min Scan# 2470
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18



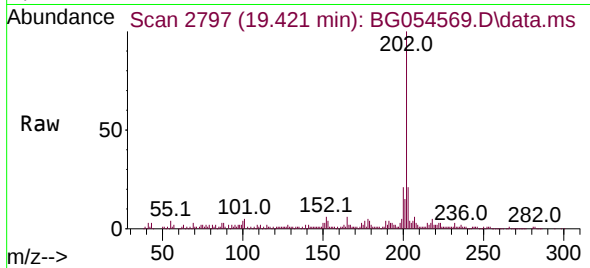
Tgt Ion:178 Resp: 64088
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 16.8 13.0 19.4





#75
Fluoranthene
Concen: 12.466 ng
RT: 19.421 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

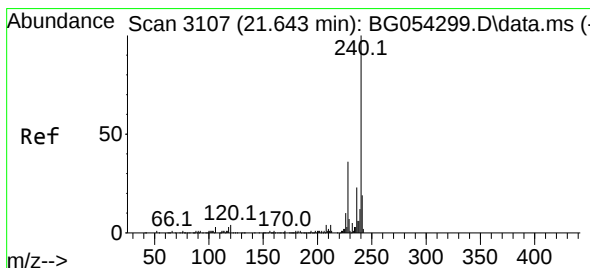
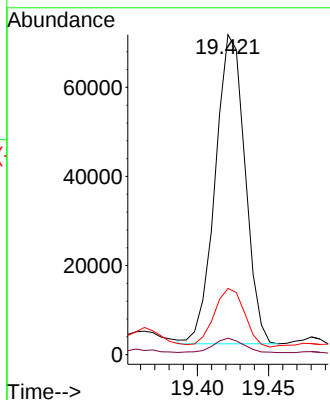
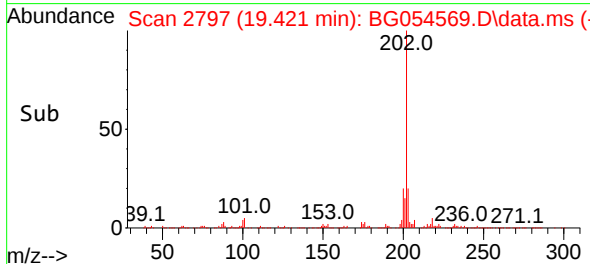
Instrument :
BNA_G
ClientSampleId :
P-5D



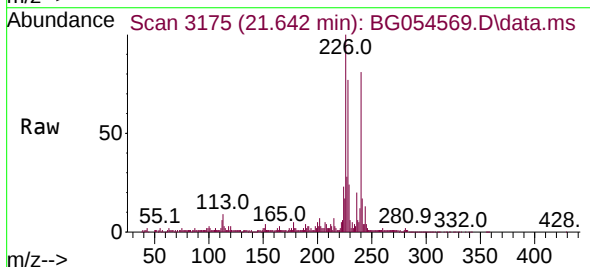
Tgt Ion:202 Resp: 101247
Ion Ratio Lower Upper
202 100
101 5.1 0.0 26.9
203 20.7 0.0 37.2

Manual Integrations
APPROVED

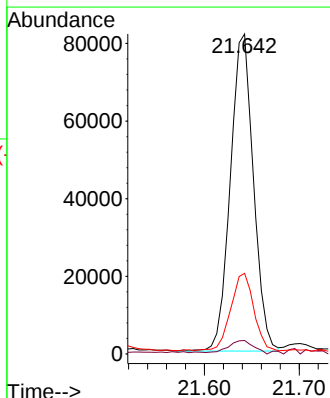
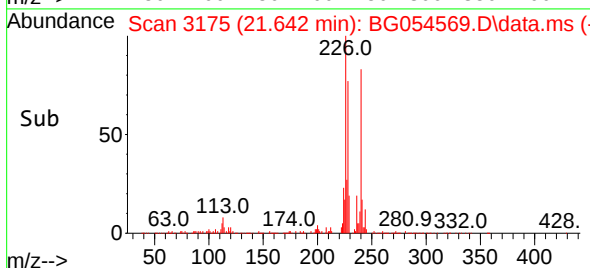
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

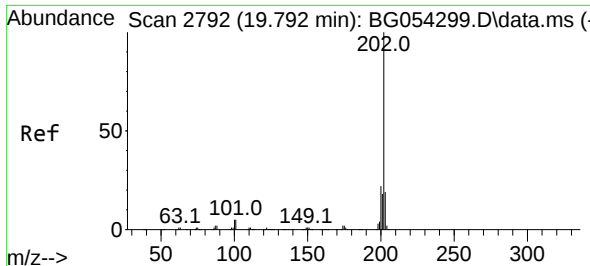


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3175
Delta R.T. 0.010 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18



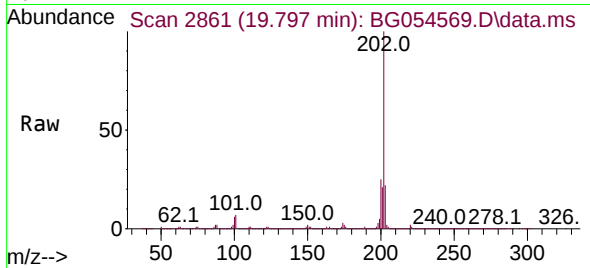
Tgt Ion:240 Resp: 138276
Ion Ratio Lower Upper
240 100
120 4.2 4.6 7.0#
236 25.2 20.2 30.4





#78
Pyrene
Concen: 199.349 ng m
RT: 19.797 min Scan# 2861
Delta R.T. 0.015 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

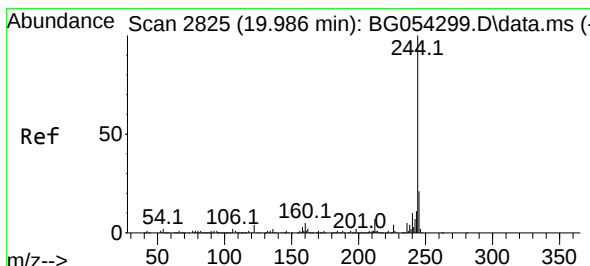
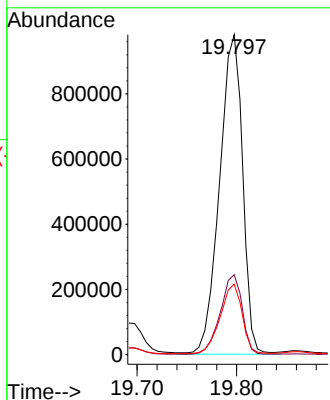
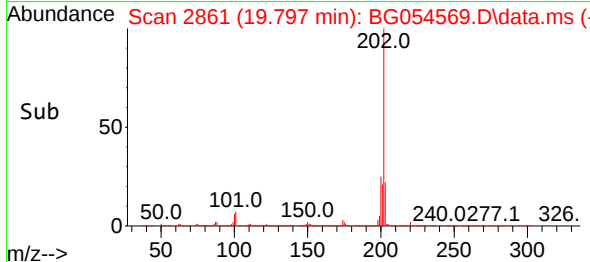
Instrument :
BNA_G
ClientSampleId :
P-5D



Tgt Ion:202 Resp: 1581668
Ion Ratio Lower Upper
202 100
200 25.0 16.6 24.8
203 22.0 14.6 21.8

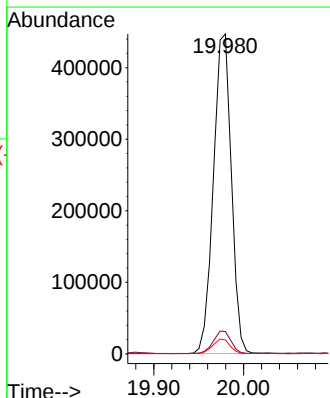
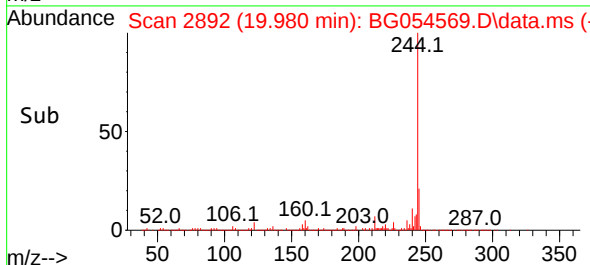
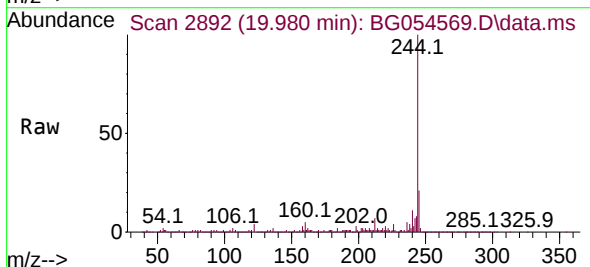
Manual Integrations
APPROVED

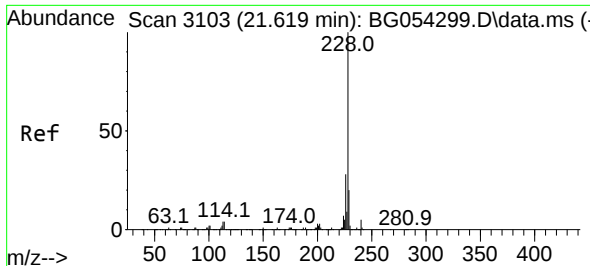
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#79
Terphenyl-d14
Concen: 89.122 ng
RT: 19.980 min Scan# 2892
Delta R.T. 0.010 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

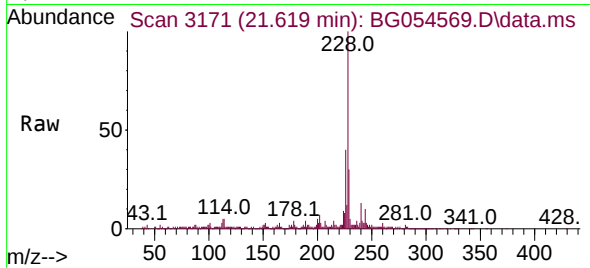
Tgt Ion:244 Resp: 621202
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.4 5.0 7.4





#81
Benzo(a)anthracene
Concen: 21.493 ng
RT: 21.619 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

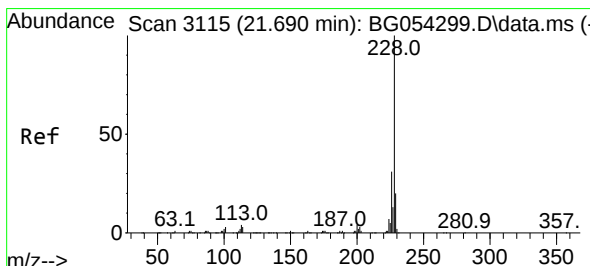
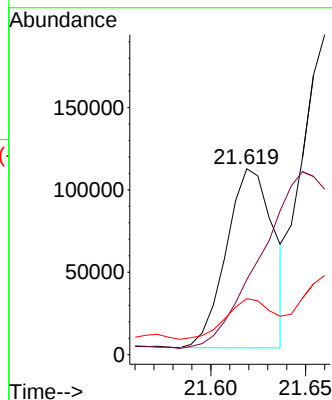
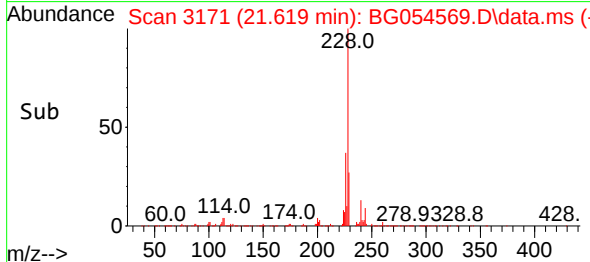
Instrument :
BNA_G
ClientSampleId :
P-5D



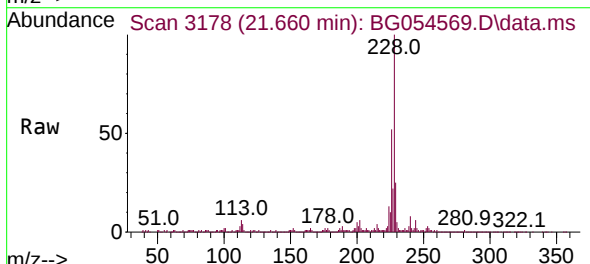
Tgt Ion:228 Resp: 188659
Ion Ratio Lower Upper
228 100
226 40.3 21.6 32.4#
229 30.1 16.2 24.2#

Manual Integrations
APPROVED

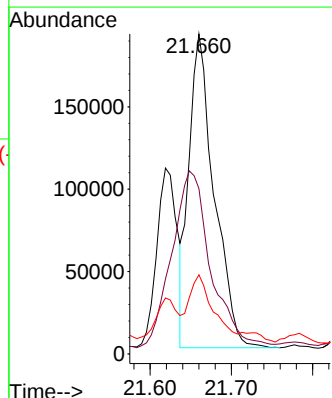
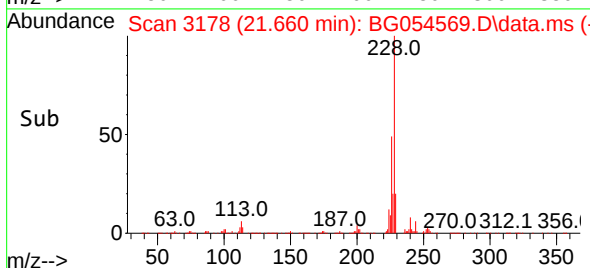
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

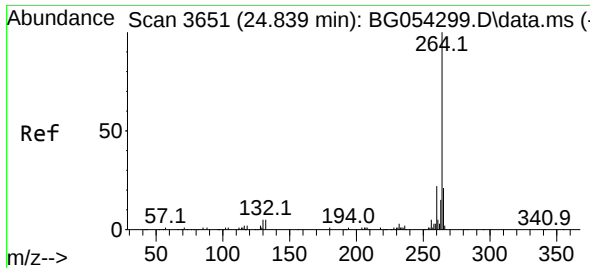


#83
Chrysene
Concen: 49.557 ng
RT: 21.660 min Scan# 3178
Delta R.T. -0.020 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18



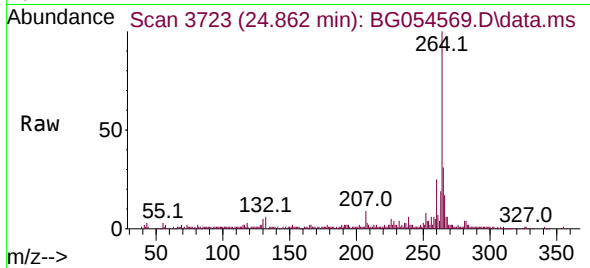
Tgt Ion:228 Resp: 410969
Ion Ratio Lower Upper
228 100
226 51.7 23.4 35.2#
229 24.8 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.862 min Scan# 31
Delta R.T. 0.027 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

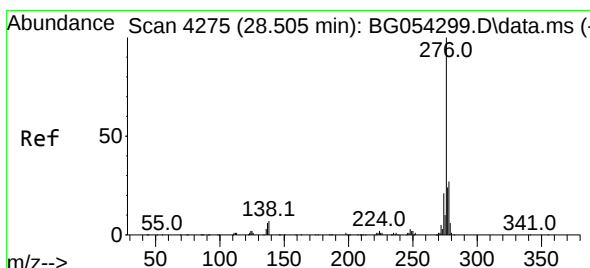
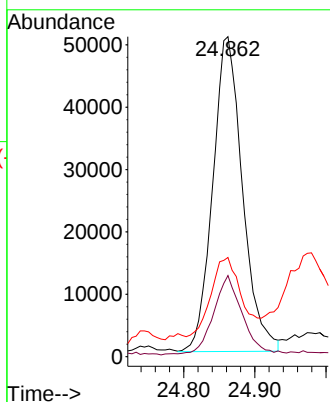
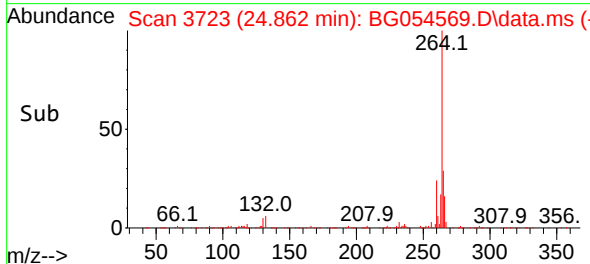
Instrument :
BNA_G
ClientSampleId :
P-5D



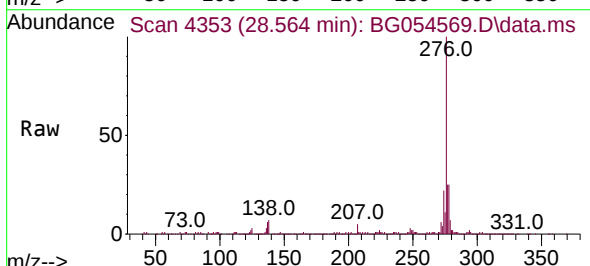
Tgt Ion:264 Resp: 147142
Ion Ratio Lower Upper
264 100
260 25.3 19.0 28.6
265 31.0 17.4 26.2

Manual Integrations
APPROVED

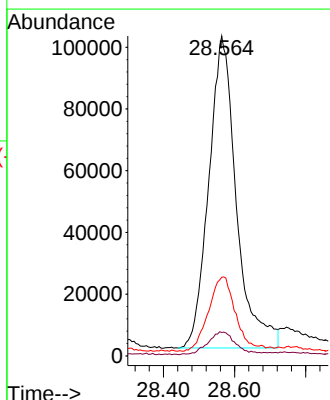
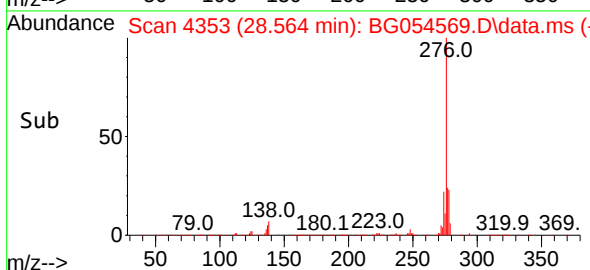
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

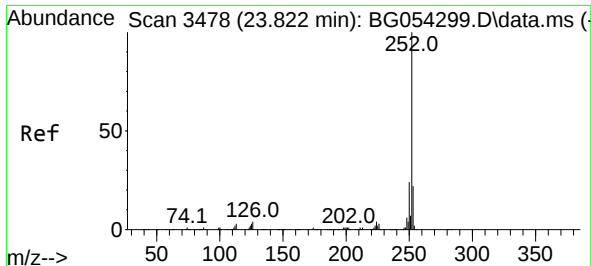


#87
Indeno(1,2,3-cd)pyrene
Concen: 48.757 ng
RT: 28.564 min Scan# 4353
Delta R.T. 0.033 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18



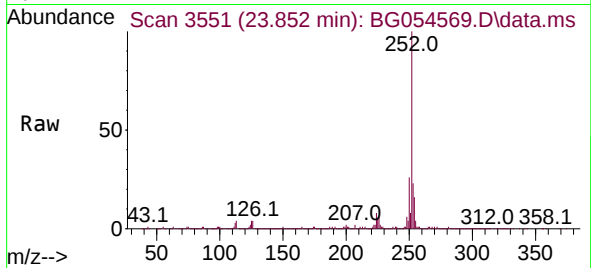
Tgt Ion:276 Resp: 545778
Ion Ratio Lower Upper
276 100
138 6.9 5.0 7.4
277 23.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 103.239 ng m
RT: 23.852 min Scan# 31
Delta R.T. 0.033 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

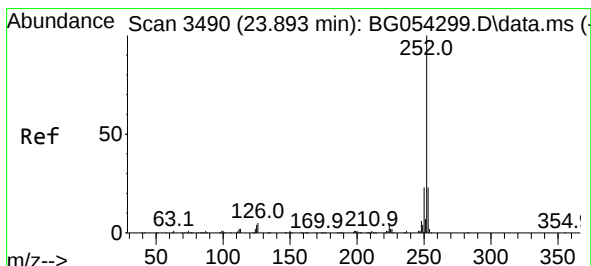
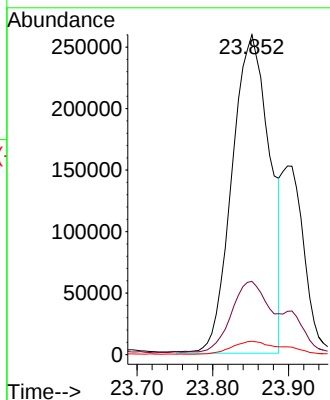
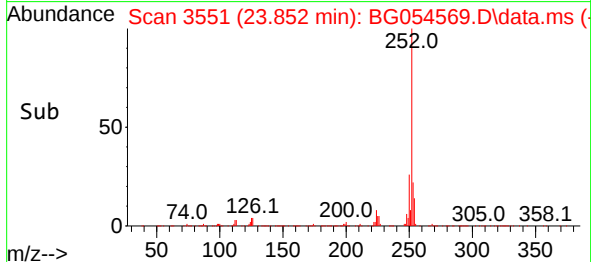
Instrument :
BNA_G
ClientSampleId :
P-5D



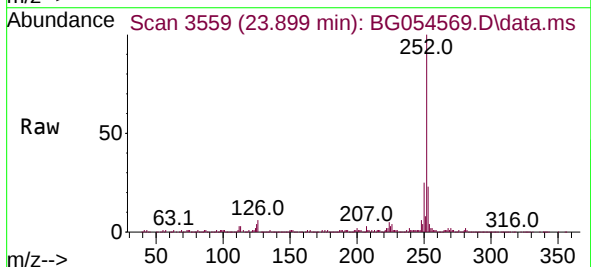
Tgt Ion:252 Resp: 898362
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 4.2 4.6 6.8

Manual Integrations
APPROVED

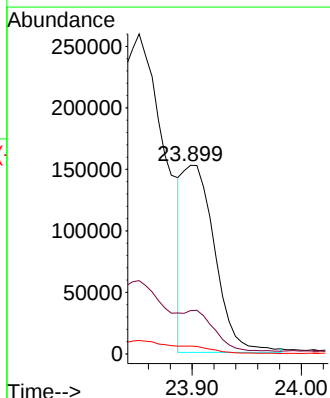
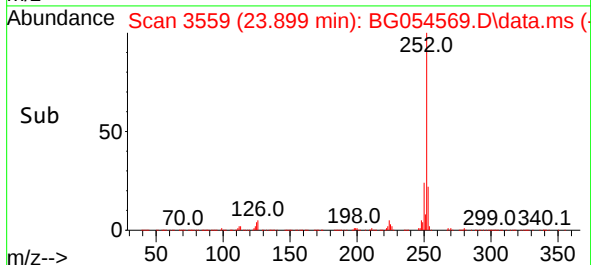
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

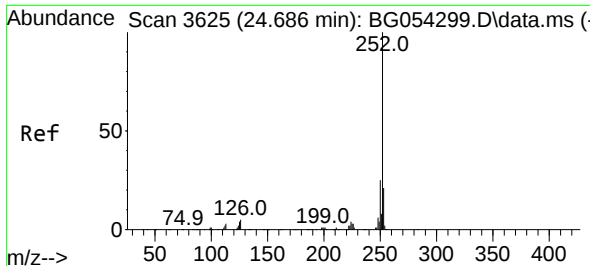


#89
Benzo(k)fluoranthene
Concen: 36.108 ng m
RT: 23.899 min Scan# 3559
Delta R.T. 0.015 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18



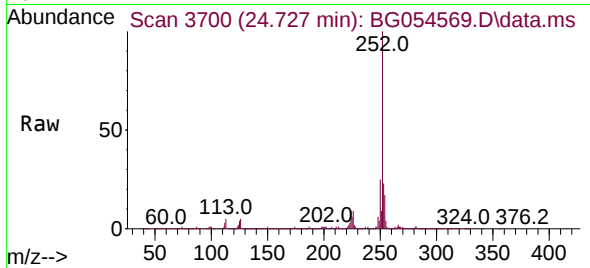
Tgt Ion:252 Resp: 312703
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 4.1 4.8 7.2





#90
Benzo(a)pyrene
Concen: 135.211 ng m
RT: 24.727 min Scan# 31
Delta R.T. 0.039 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

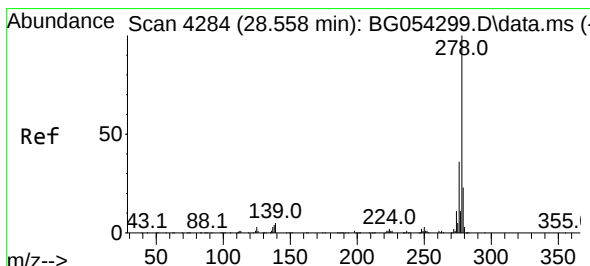
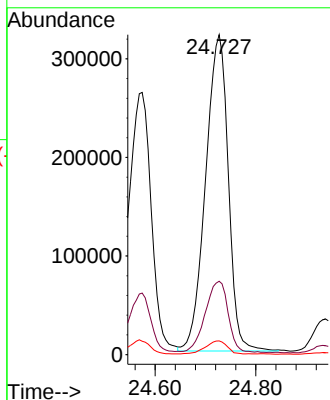
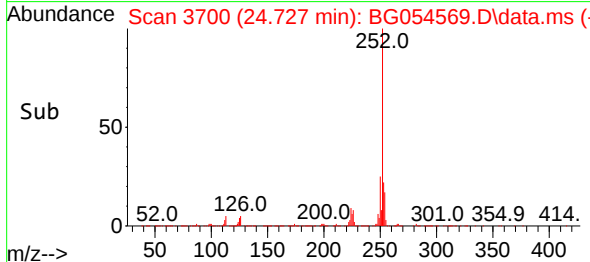
Instrument :
BNA_G
ClientSampleId :
P-5D



Tgt Ion:252 Resp: 1004810
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 4.3 4.3 6.5

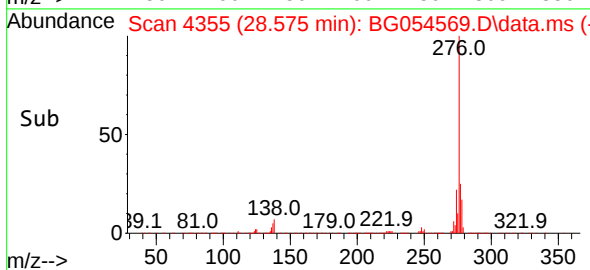
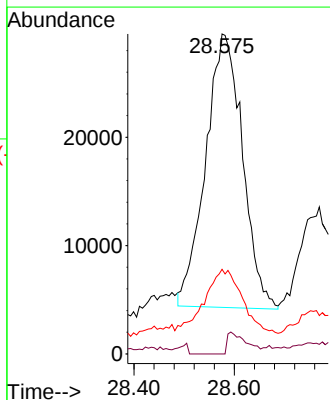
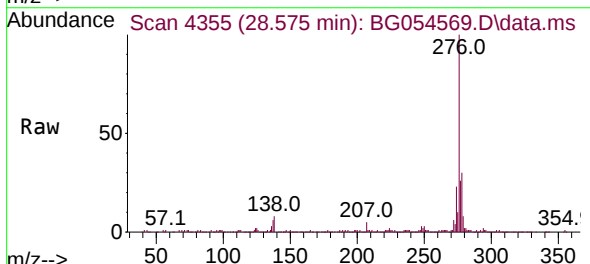
Manual Integrations
APPROVED

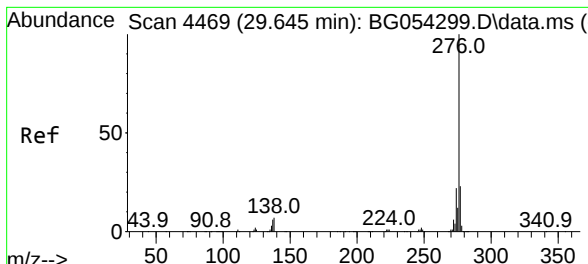
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#91
Dibenzo(a,h)anthracene
Concen: 13.999 ng
RT: 28.575 min Scan# 4355
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

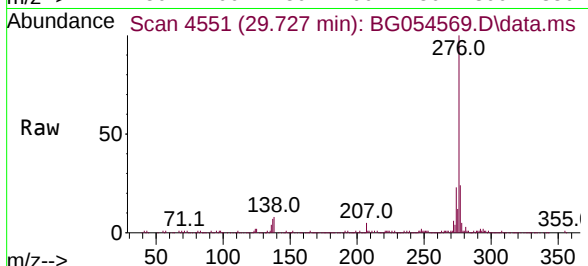
Tgt Ion:278 Resp: 128856
Ion Ratio Lower Upper
278 100
139 0.0 7.2 10.8
279 26.4 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 61.664 ng
 RT: 29.727 min Scan# 4551
 Delta R.T. 0.051 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

Instrument :
 BNA_G
 ClientSampleId :
 P-5D



Tgt Ion: 276 Resp: 560192

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.3	25.9
138	7.8	9.6	14.4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

