

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054583.D
 Acq On : 10 Aug 2022 11:17
 Operator : CG/JU
 Sample : N4088-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-080522DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/11/2022
 Supervised By : Jagrut Upadhyay 08/11/2022

Quant Time: Aug 10 14:24:45 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	7.970	152	20793	20.000	ng	0.00
21) Naphthalene-d8	10.784	136	79656	20.000	ng	# 0.00
39) Acenaphthene-d10	14.609	164	61212	20.000	ng	0.00
64) Phenanthrene-d10	17.359	188	154692	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	185281	20.000	ng	# 0.00
86) Perylene-d12	24.832	264	198186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	18412	18.488	ng	0.00
7) Phenol-d6	7.183	99	24193	17.729	ng	0.00
23) Nitrobenzene-d5	9.139	82	15116	10.334	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	17856	13.893	ng	0.00
45) 2-Fluorobiphenyl	13.228	172	48001	11.062	ng	0.00
79) Terphenyl-d14	19.968	244	115810	12.400	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	87080	11.304	ng	98
72) Anthracene	17.494	178	24521	3.244	ng	95
75) Fluoranthene	19.415	202	238783	22.739	ng	95
78) Pyrene	19.780	202	212364	19.975	ng	99
81) Benzo(a)anthracene	21.607	228	145738	12.391	ng	99
83) Chrysene	21.671	228	123035	11.072	ng	98
87) Indeno(1,2,3-cd)pyrene	28.516	276	91098	6.042	ng	# 96
88) Benzo(b)fluoranthene	23.822	252	179725	15.334	ng	# 98
89) Benzo(k)fluoranthene	23.875	252	56205m	4.818	ng	
90) Benzo(a)pyrene	24.680	252	124505	12.439	ng	98
92) Benzo(g,h,i)perylene	29.668	276	86748	7.090	ng	# 90

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

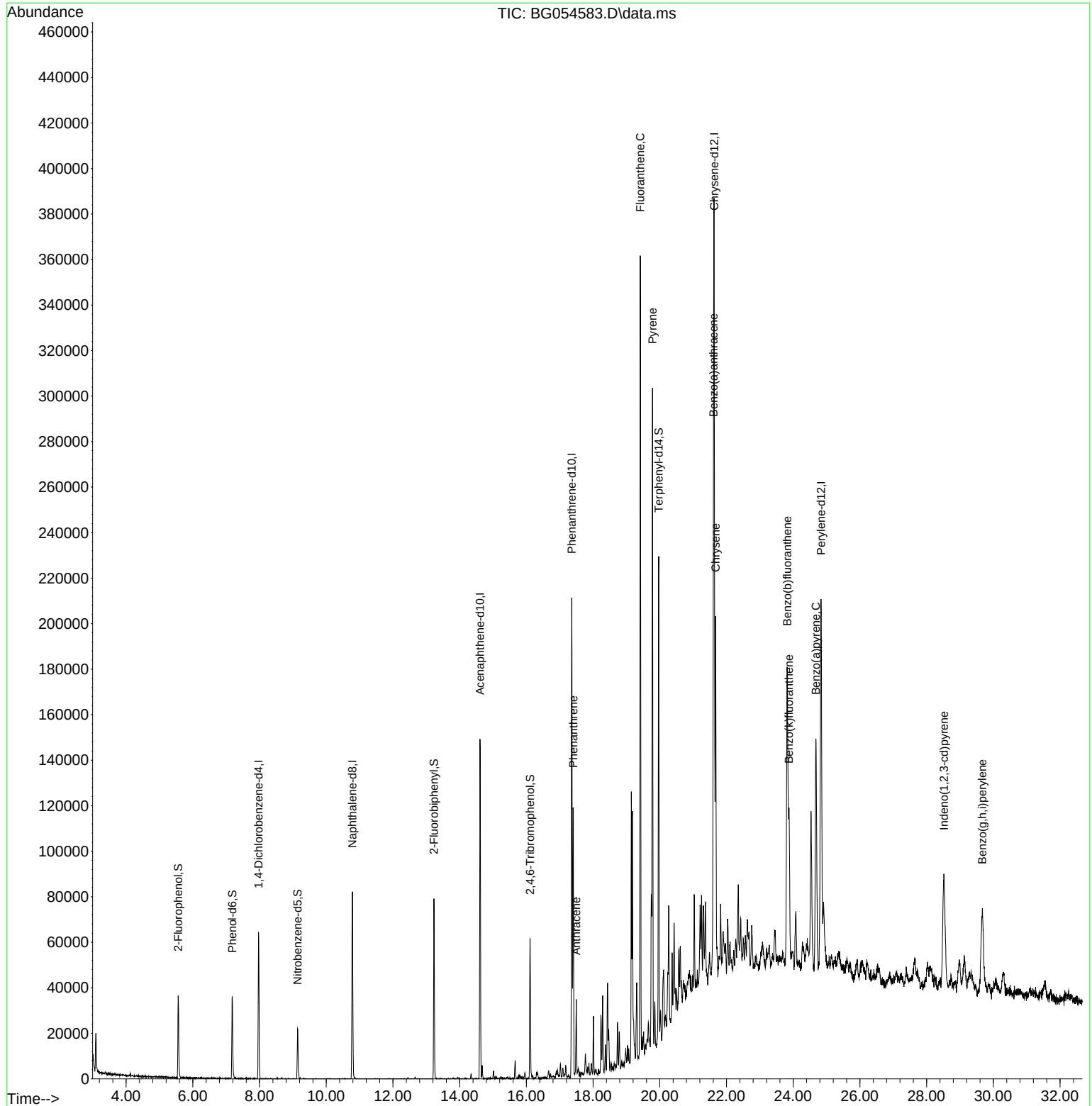
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
Data File : BG054583.D
Acq On : 10 Aug 2022 11:17
Operator : CG/JU
Sample : N4088-01DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

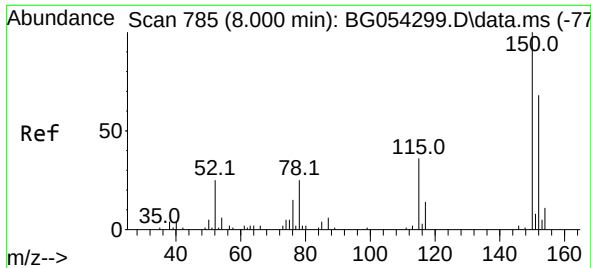
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

Quant Time: Aug 10 14:24:45 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 08/11/2022
Supervised By : Jagrut Upadhyay 08/11/2022





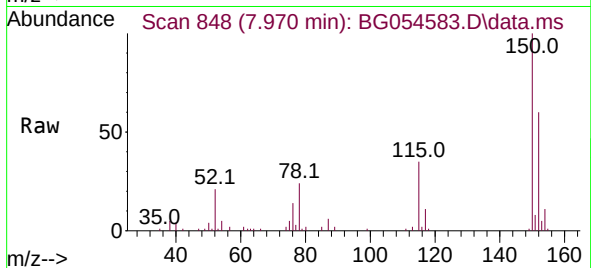
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.970 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Instrument :

BNA_G

ClientSampleId :

PL-02-080522DL

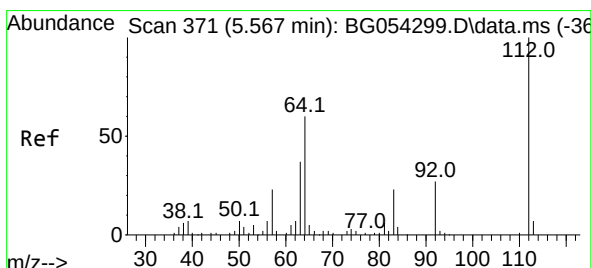
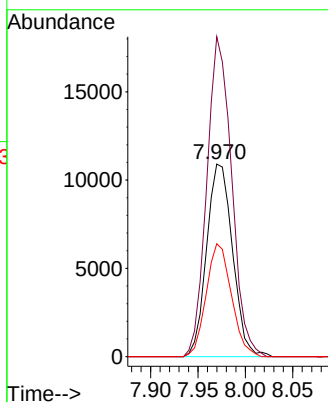
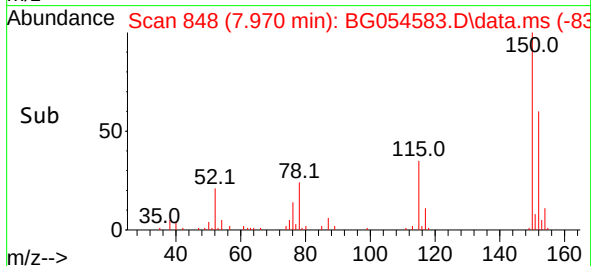


Tgt Ion:152 Resp: 20793
Ion Ratio Lower Upper
152 100
150 166.2 131.6 197.4
115 58.6 50.9 76.3

Manual Integrations

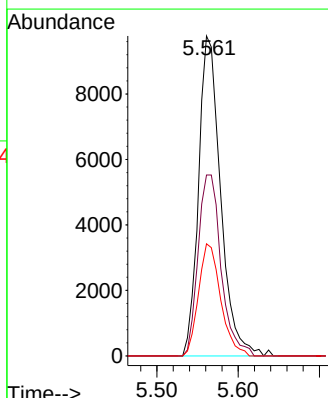
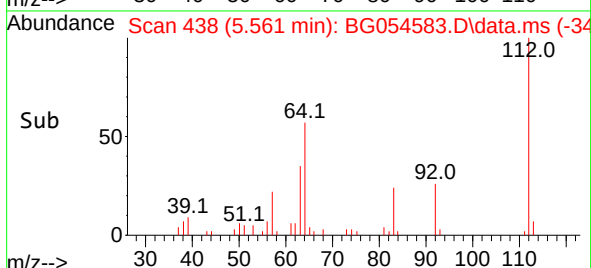
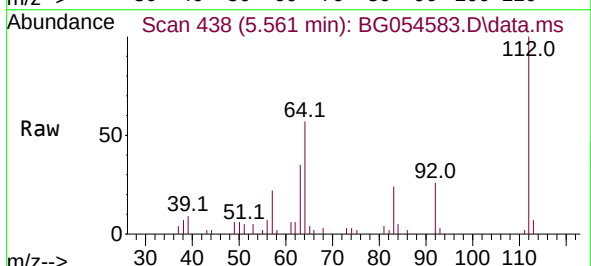
APPROVED

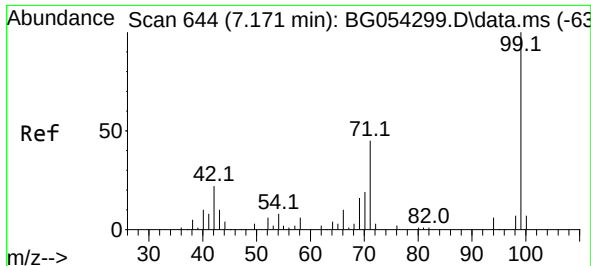
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#5
2-Fluorophenol
Concen: 18.488 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

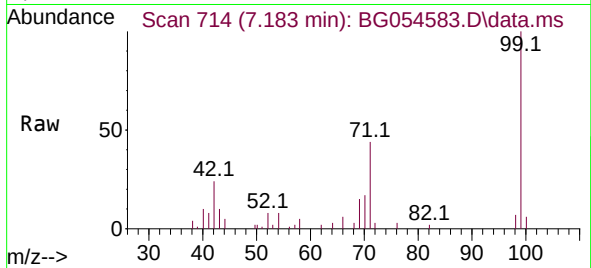
Tgt Ion:112 Resp: 18412
Ion Ratio Lower Upper
112 100
64 56.5 55.1 82.7
63 35.0 30.4 45.6





#7
Phenol-d6
Concen: 17.729 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

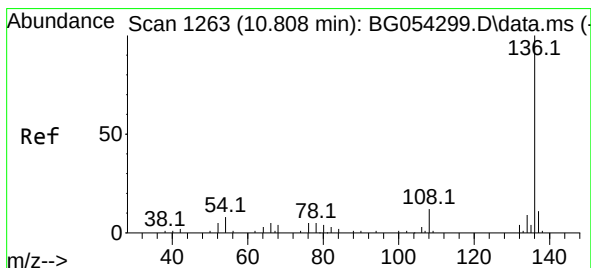
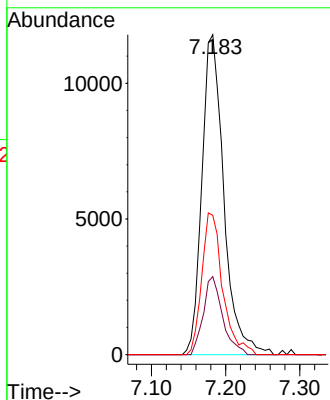
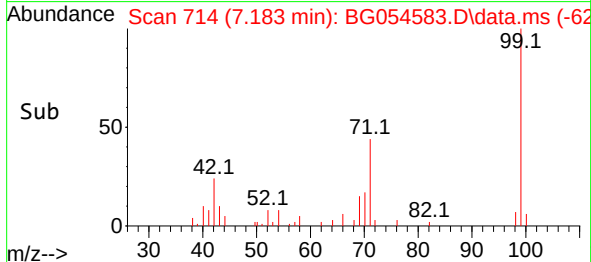
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL



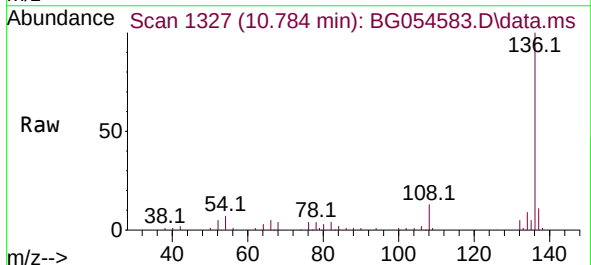
Tgt Ion: 99 Resp: 24193
Ion Ratio Lower Upper
99 100
42 24.4 17.0 25.6
71 43.5 33.8 50.8

Manual Integrations
APPROVED

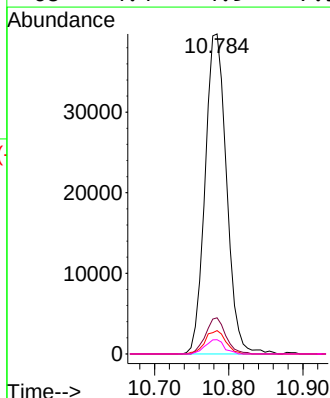
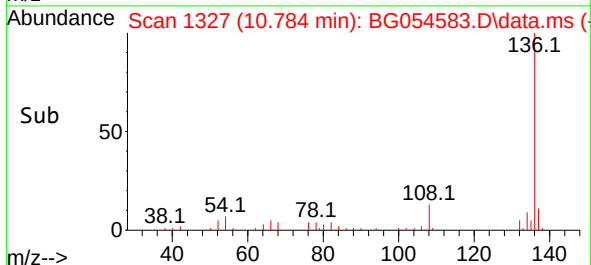
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

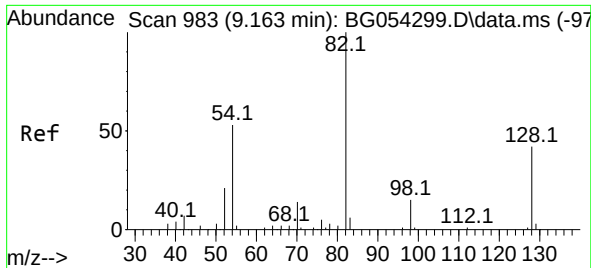


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17



Tgt Ion:136 Resp: 79656
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 7.3 7.4 11.2#
68 4.4 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 10.334 ng
RT: 9.139 min Scan# 10
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Instrument :

BNA_G

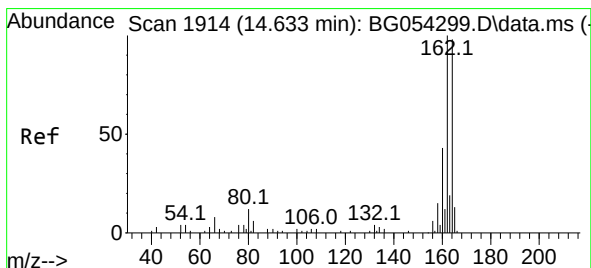
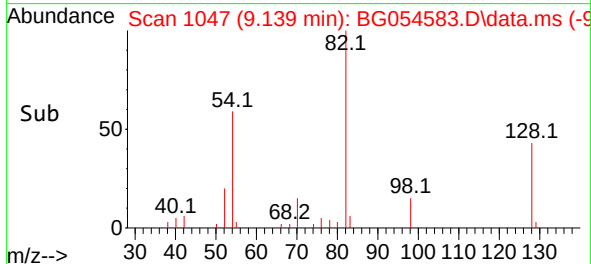
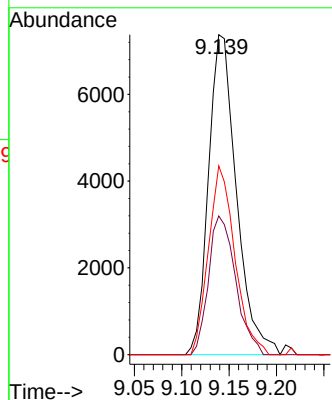
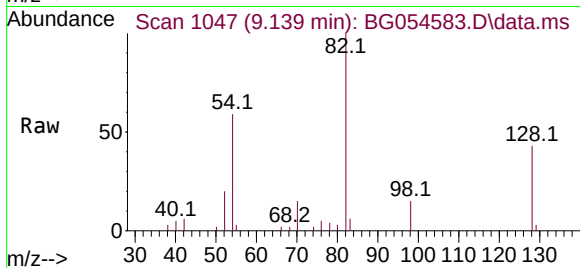
ClientSampleId :

PL-02-080522DL

Tgt Ion: 82 Resp: 15116
Ion Ratio Lower Upper
82 100
128 43.3 27.9 41.9
54 59.0 41.2 61.8

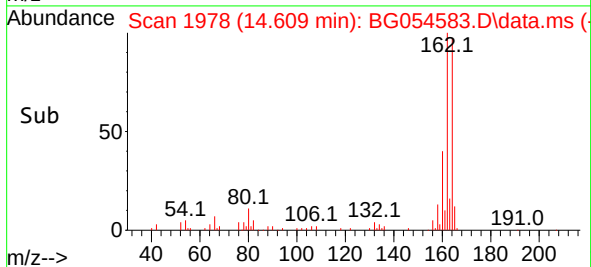
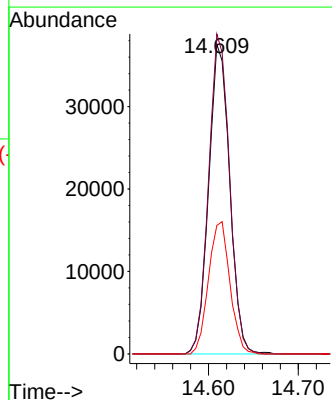
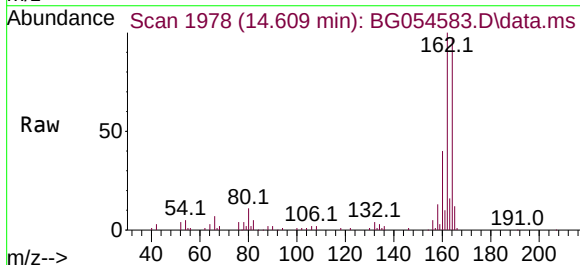
Manual Integrations
APPROVED

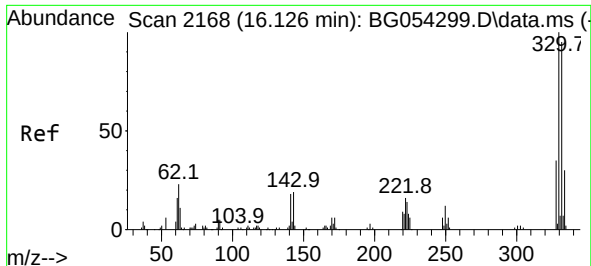
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.609 min Scan# 1978
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:164 Resp: 61212
Ion Ratio Lower Upper
164 100
162 103.4 82.3 123.5
160 41.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 13.893 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Instrument :

BNA_G

ClientSampleId :

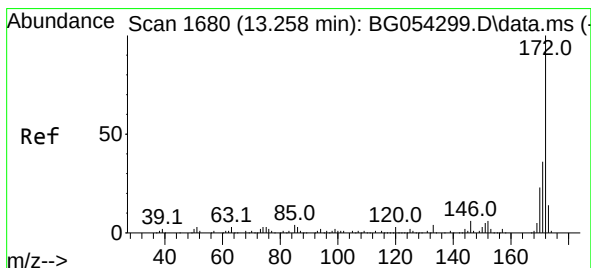
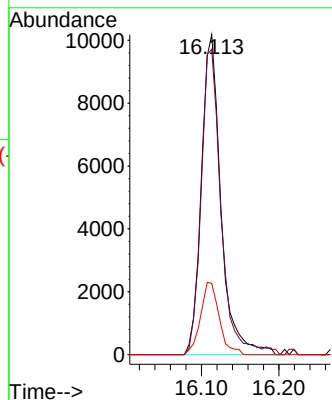
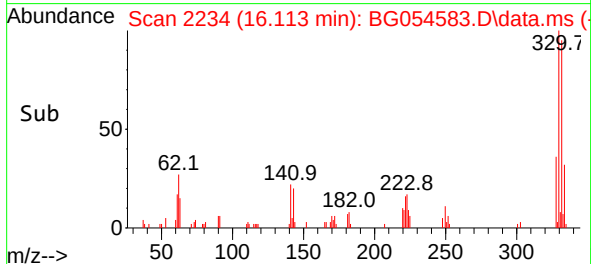
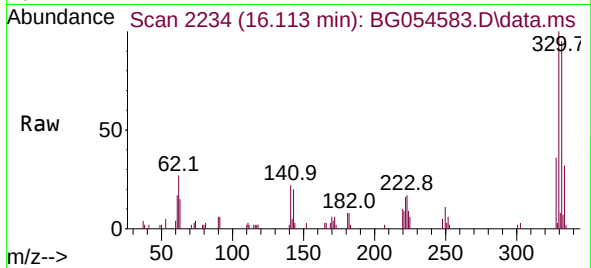
PL-02-080522DL

Tgt Ion:330 Resp: 17856
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 21.6 27.1 40.7

Manual Integrations

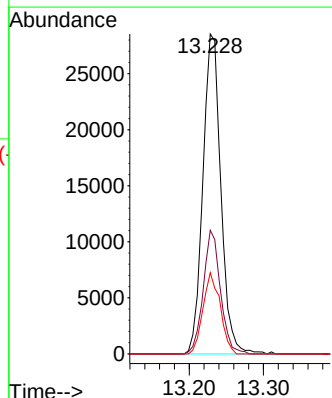
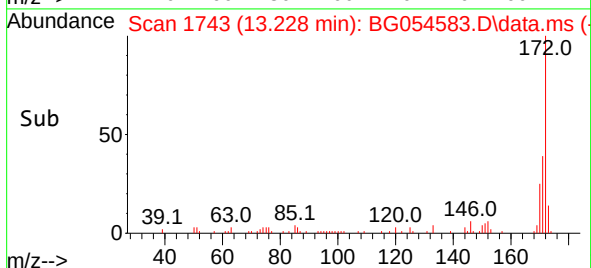
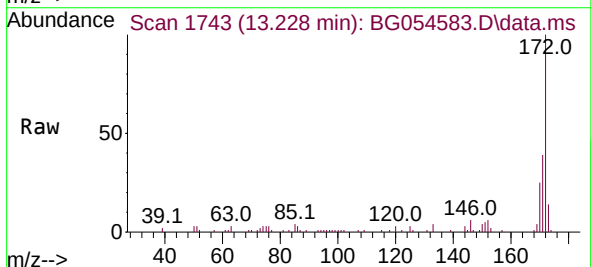
APPROVED

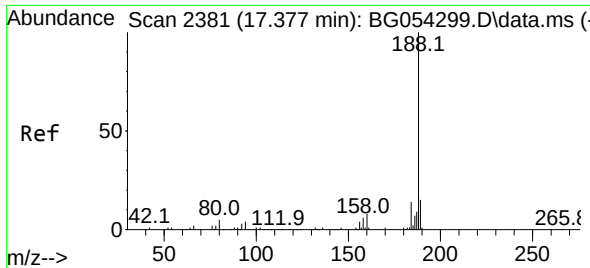
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#45
2-Fluorobiphenyl
Concen: 11.062 ng
RT: 13.228 min Scan# 1743
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

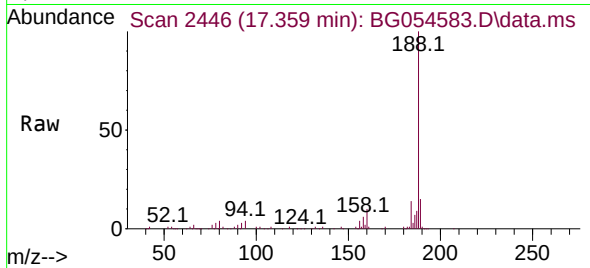
Tgt Ion:172 Resp: 48001
Ion Ratio Lower Upper
172 100
171 38.6 28.5 42.7
170 25.4 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

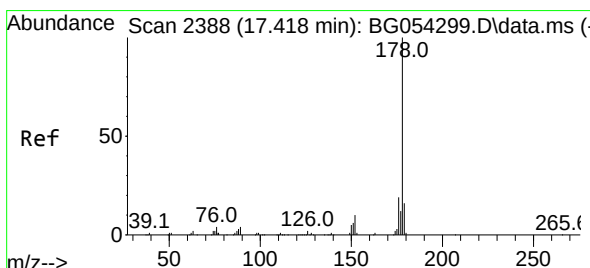
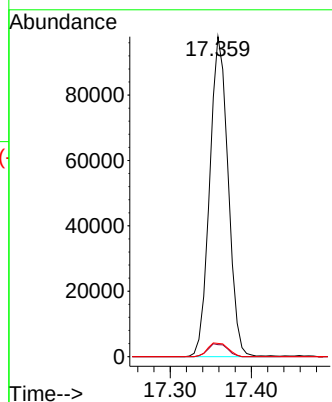
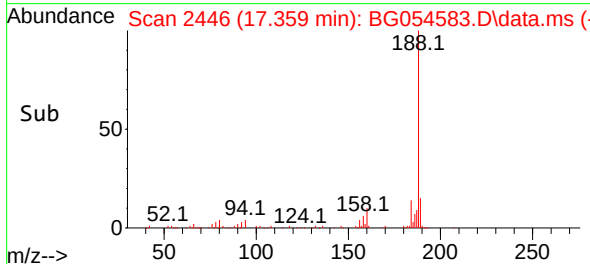
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL



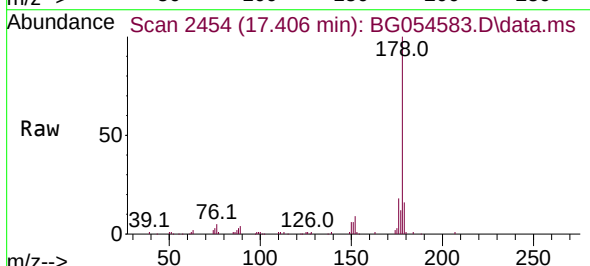
Tgt Ion:188 Resp: 154692
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0
80 4.2 6.8 10.2

Manual Integrations
APPROVED

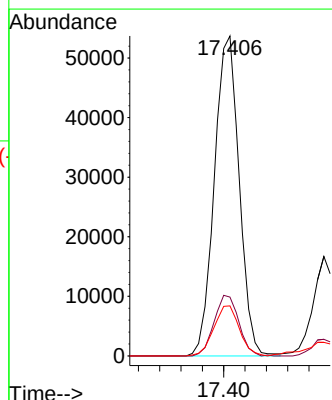
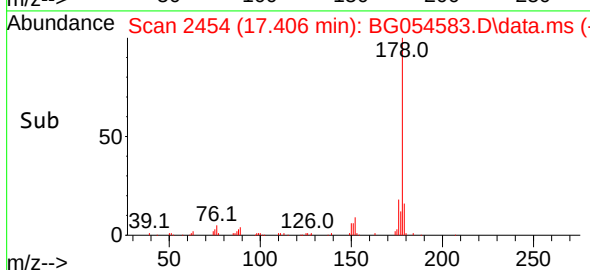
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

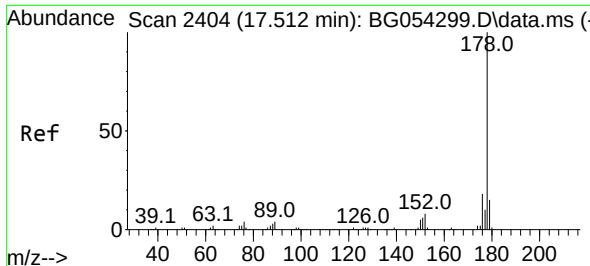


#71
Phenanthrene
Concen: 11.304 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17



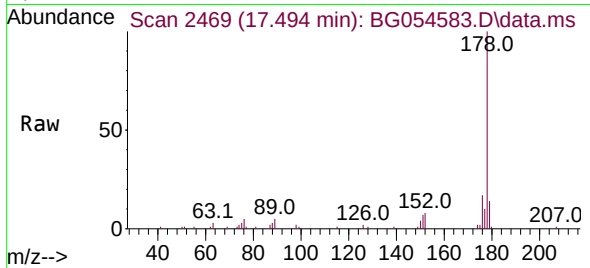
Tgt Ion:178 Resp: 87080
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 15.6 12.1 18.1





#72
 Anthracene
 Concen: 3.244 ng
 RT: 17.494 min Scan# 2404
 Delta R.T. -0.002 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17

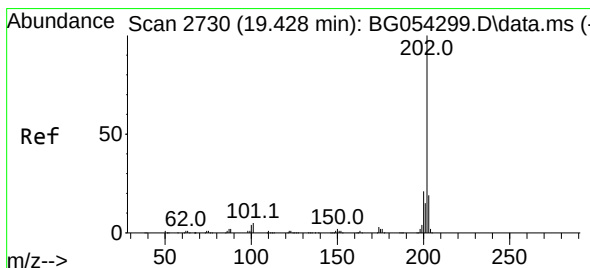
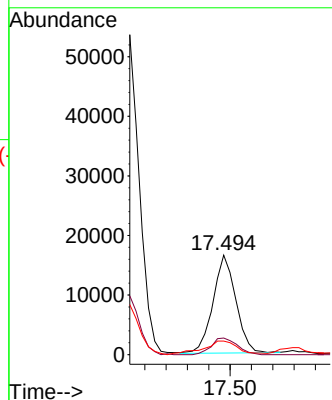
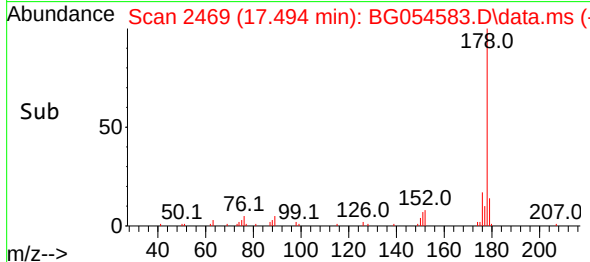
Instrument :
 BNA_G
 ClientSampleId :
 PL-02-080522DL



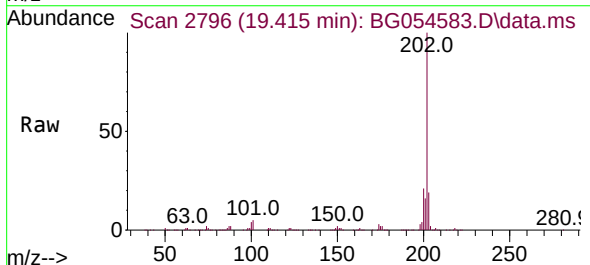
Tgt Ion:178 Resp: 24521
 Ion Ratio Lower Upper
 178 100
 176 16.7 15.2 22.8
 179 13.7 13.0 19.4

Manual Integrations
 APPROVED

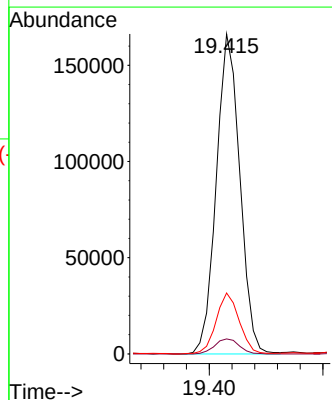
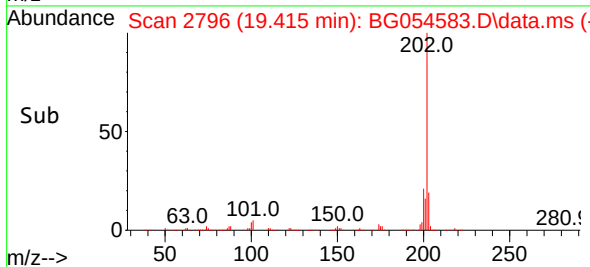
Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022

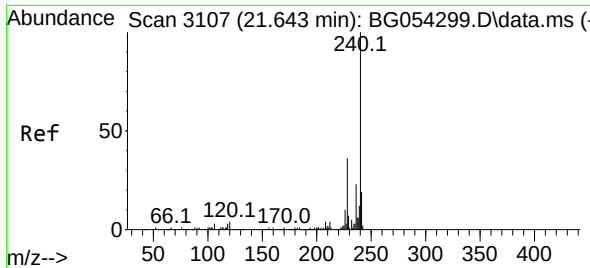


#75
 Fluoranthene
 Concen: 22.739 ng
 RT: 19.415 min Scan# 2796
 Delta R.T. -0.002 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17



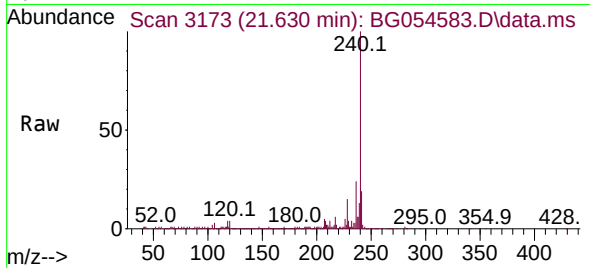
Tgt Ion:202 Resp: 238783
 Ion Ratio Lower Upper
 202 100
 101 4.7 0.0 26.9
 203 19.0 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3107
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

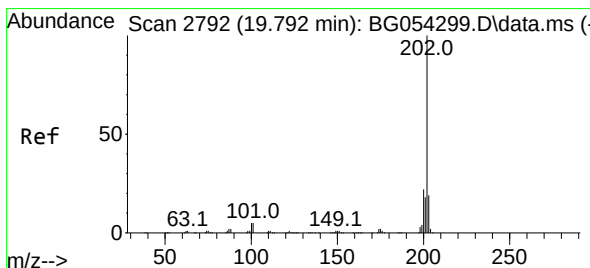
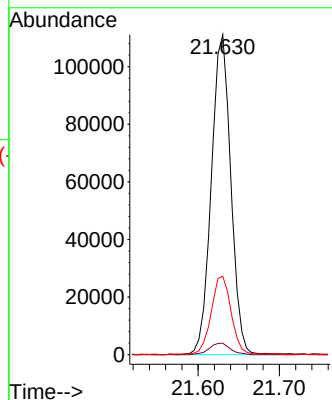
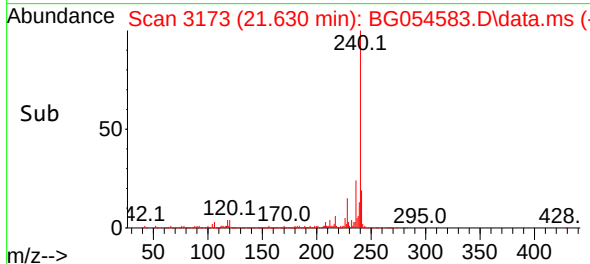
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL



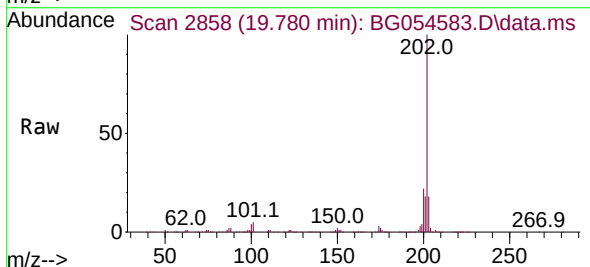
Tgt Ion:240 Resp: 185281
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0
236 24.5 20.2 30.4

Manual Integrations
APPROVED

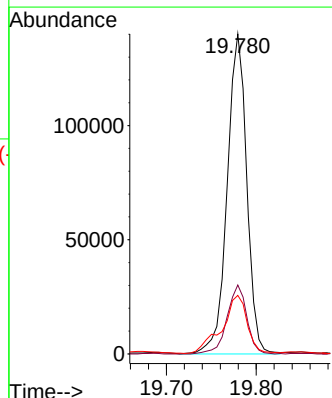
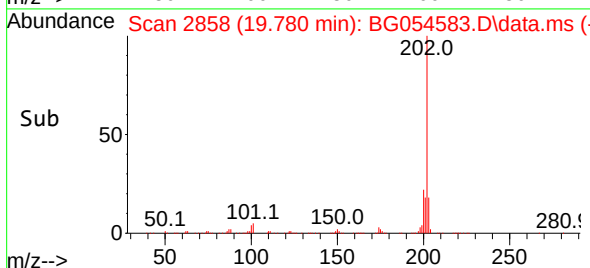
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

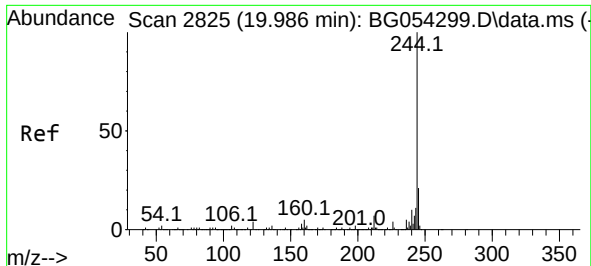


#78
Pyrene
Concen: 19.975 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17



Tgt Ion:202 Resp: 212364
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 18.3 14.6 21.8





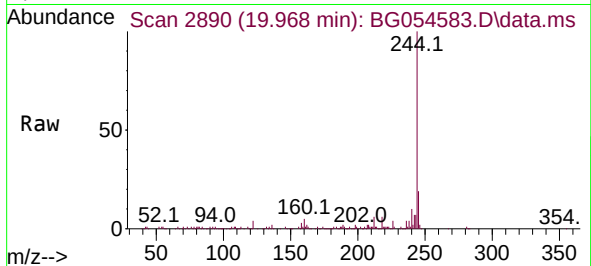
#79
 Terphenyl-d14
 Concen: 12.400 ng
 RT: 19.968 min Scan# 2825
 Delta R.T. -0.002 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17

Instrument :

BNA_G

ClientSampleId :

PL-02-080522DL

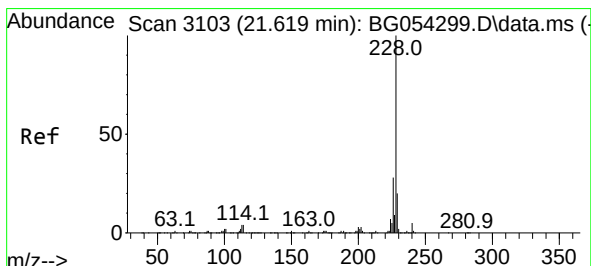
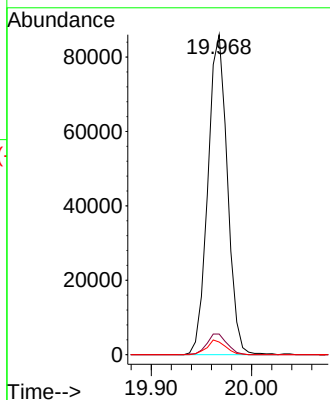
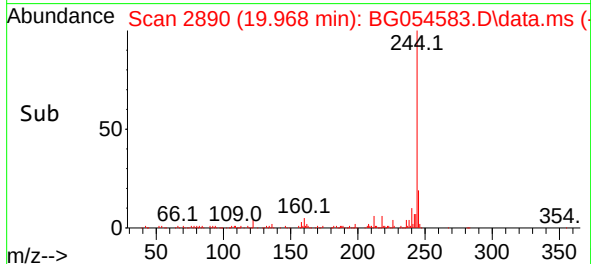


Tgt Ion:244 Resp: 115810
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.5 9.7
 122 3.9 5.0 7.4

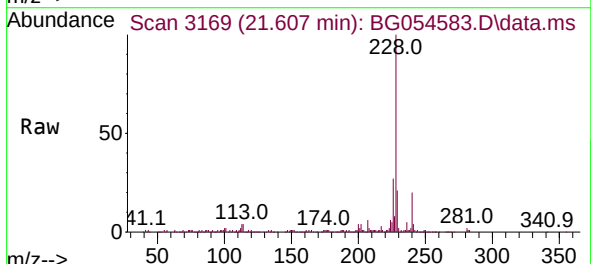
Manual Integrations

APPROVED

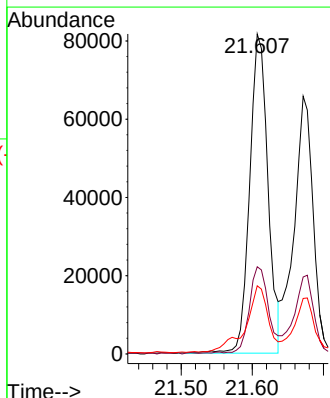
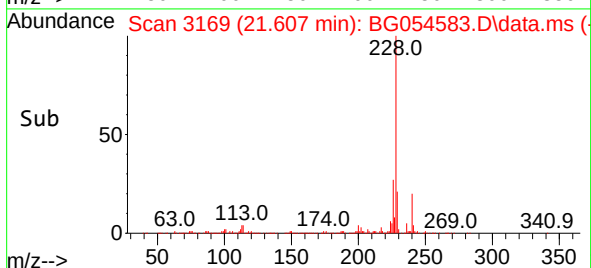
Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022

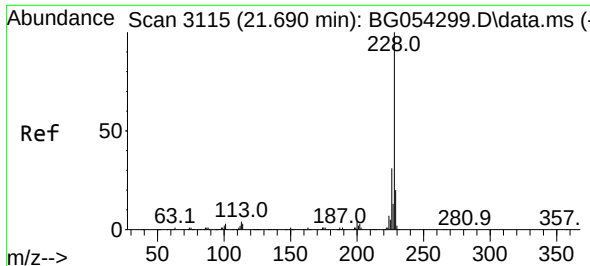


#81
 Benzo(a)anthracene
 Concen: 12.391 ng
 RT: 21.607 min Scan# 3169
 Delta R.T. -0.008 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17



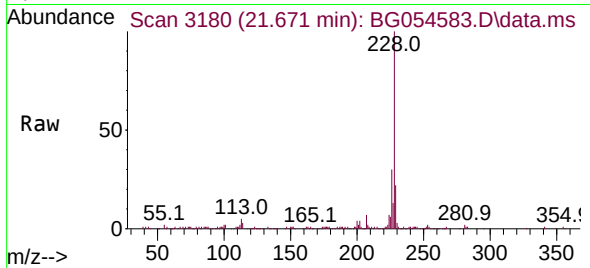
Tgt Ion:228 Resp: 145738
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 21.3 16.2 24.2





#83
Chrysene
Concen: 11.072 ng
RT: 21.671 min Scan# 3115
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

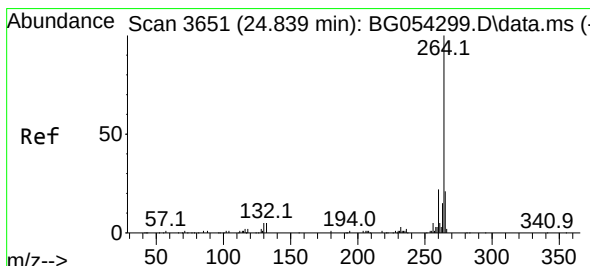
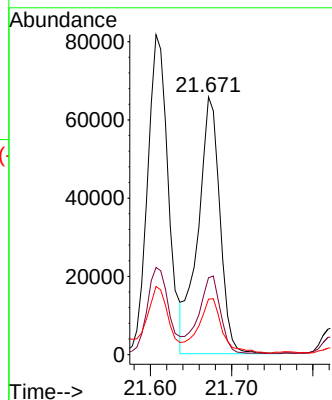
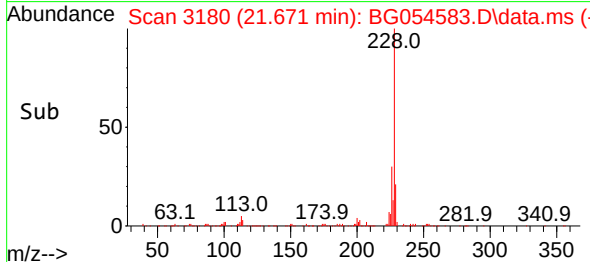
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL



Tgt Ion:228 Resp: 123035
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 21.5 15.5 23.3

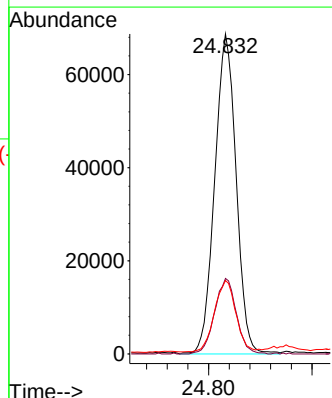
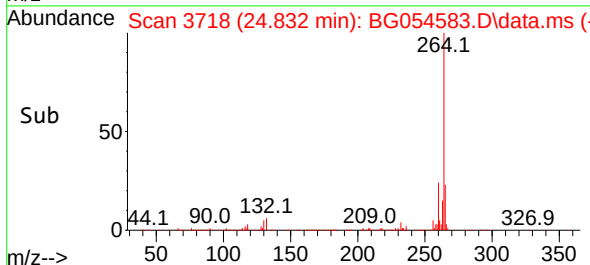
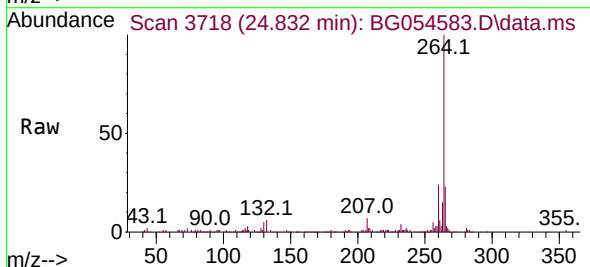
Manual Integrations
APPROVED

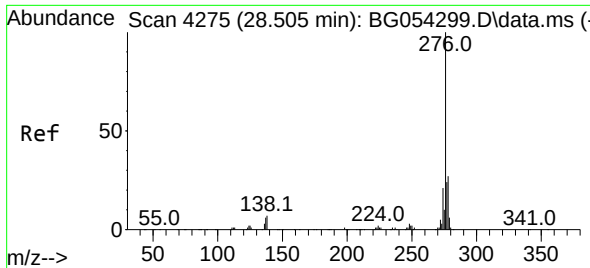
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.832 min Scan# 3718
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

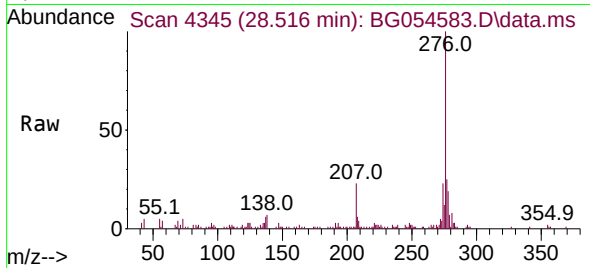
Tgt Ion:264 Resp: 198186
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 22.9 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.042 ng
 RT: 28.516 min Scan# 4345
 Delta R.T. -0.014 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17

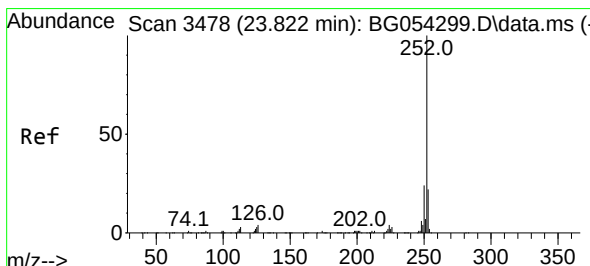
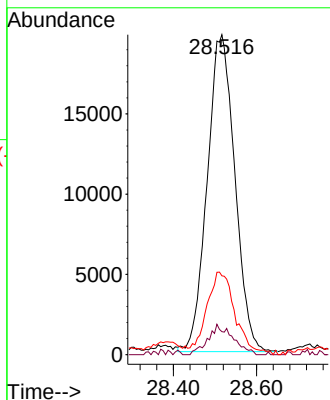
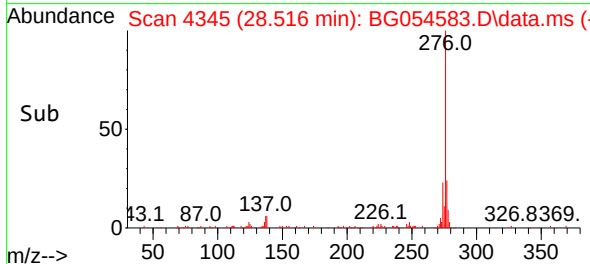
Instrument :
 BNA_G
 ClientSampleId :
 PL-02-080522DL



Tgt Ion:276 Resp: 91098
 Ion Ratio Lower Upper
 276 100
 138 8.5 5.0 7.4#
 277 26.9 20.3 30.5

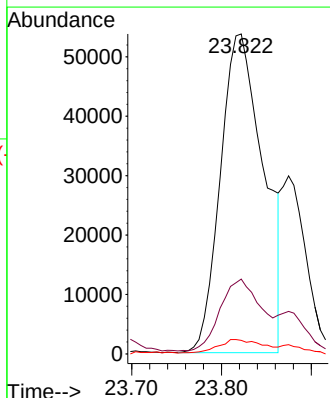
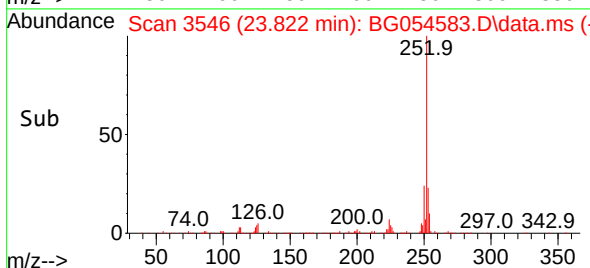
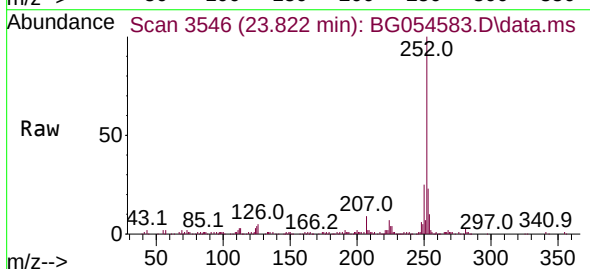
Manual Integrations
 APPROVED

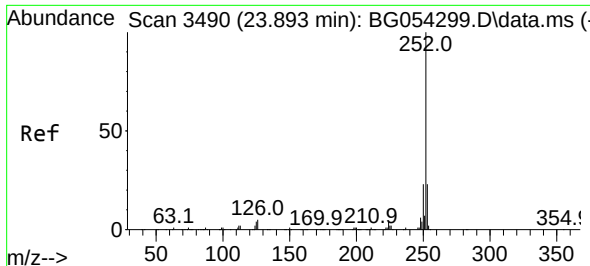
Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022



#88
 Benzo(b)fluoranthene
 Concen: 15.334 ng
 RT: 23.822 min Scan# 3546
 Delta R.T. 0.003 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17

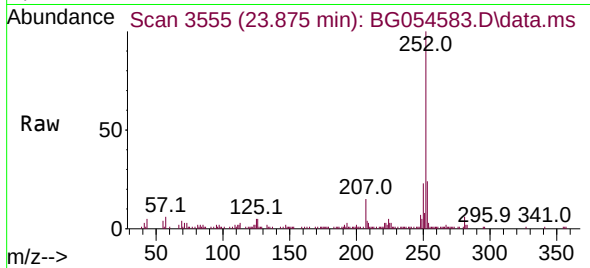
Tgt Ion:252 Resp: 179725
 Ion Ratio Lower Upper
 252 100
 253 23.4 18.0 27.0
 125 4.2 4.6 6.8#





#89
Benzo(k)fluoranthene
Concen: 4.818 ng m
RT: 23.875 min Scan# 3490
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

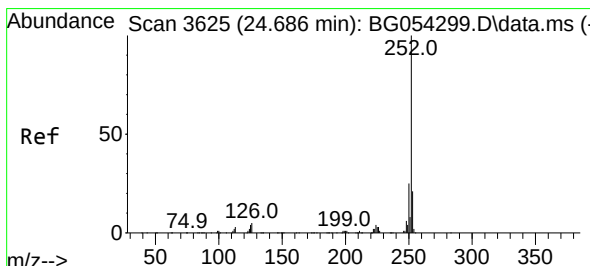
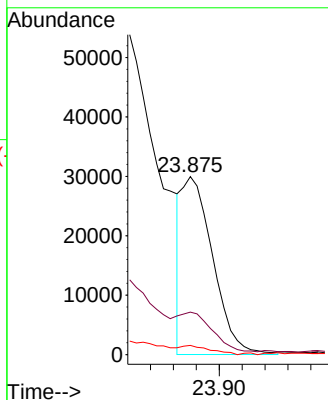
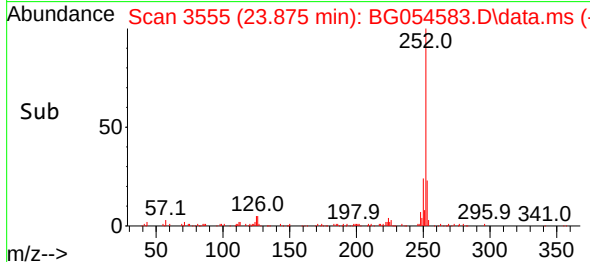
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL



Tgt Ion:252 Resp: 56205
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 5.2 4.8 7.2

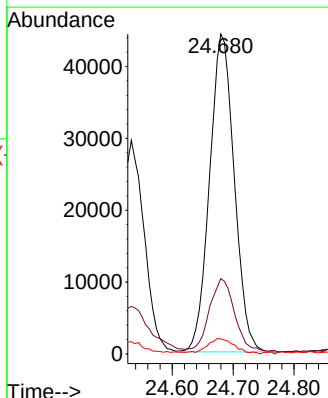
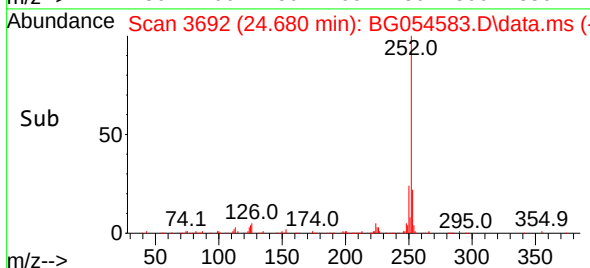
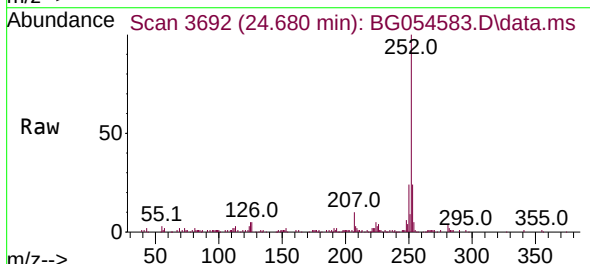
Manual Integrations
APPROVED

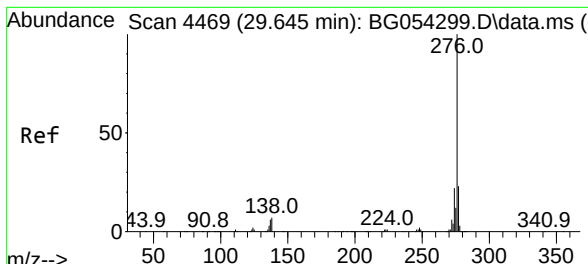
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#90
Benzo(a)pyrene
Concen: 12.439 ng
RT: 24.680 min Scan# 3692
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

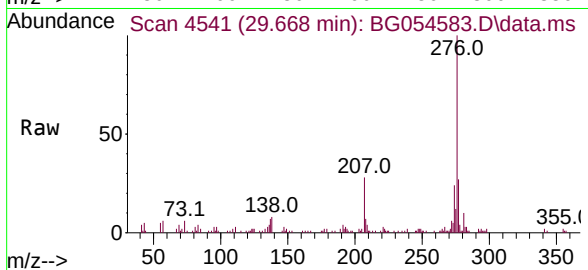
Tgt Ion:252 Resp: 124505
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 4.7 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 7.090 ng
 RT: 29.668 min Scan# 4541
 Delta R.T. -0.008 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-080522DL



Tgt Ion:	276	Resp:	86748
Ion Ratio	Lower	Upper	
276	100		
277	26.5	17.3	25.9
138	8.5	9.6	14.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022

