

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055481.D
 Acq On : 5 Nov 2022 22:28
 Operator : CG/JU
 Sample : N5459-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-110322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 07 01:00:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	42824	20.000	ng	0.00
21) Naphthalene-d8	11.062	136	170065	20.000	ng	0.00
39) Acenaphthene-d10	14.846	164	107979	20.000	ng	0.00
64) Phenanthrene-d10	17.584	188	221889	20.000	ng	0.00
76) Chrysene-d12	21.855	240	215951	20.000	ng	0.00
86) Perylene-d12	25.239	264	226878	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	131365	55.089	ng	0.01
7) Phenol-d6	7.384	99	164284	49.680	ng	0.00
23) Nitrobenzene-d5	9.405	82	98653	30.916	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	71755	48.718	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	247179	33.940	ng	0.00
79) Terphenyl-d14	20.157	244	373911	33.669	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.625	178	107622	8.623	ng	99
72) Anthracene	17.713	178	36042	2.946	ng	97
75) Fluoranthene	19.616	202	578310	38.521	ng	98
78) Pyrene	19.981	202	566732	37.201	ng	99
81) Benzo(a)anthracene	21.837	228	336815	22.721	ng	98
83) Chrysene	21.908	228	276090	19.522	ng	97
87) Indeno(1,2,3-cd)pyrene	29.129	276	154954	8.507	ng	# 91
88) Benzo(b)fluoranthene	24.164	252	419266	29.093	ng	93
89) Benzo(k)fluoranthene	24.223	252	187337m	12.936	ng	
90) Benzo(a)pyrene	25.081	252	304374	24.426	ng	96
91) Dibenzo(a,h)anthracene	29.164	278	35466m	2.360	ng	
92) Benzo(g,h,i)perylene	30.351	276	129236	8.646	ng	# 92

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

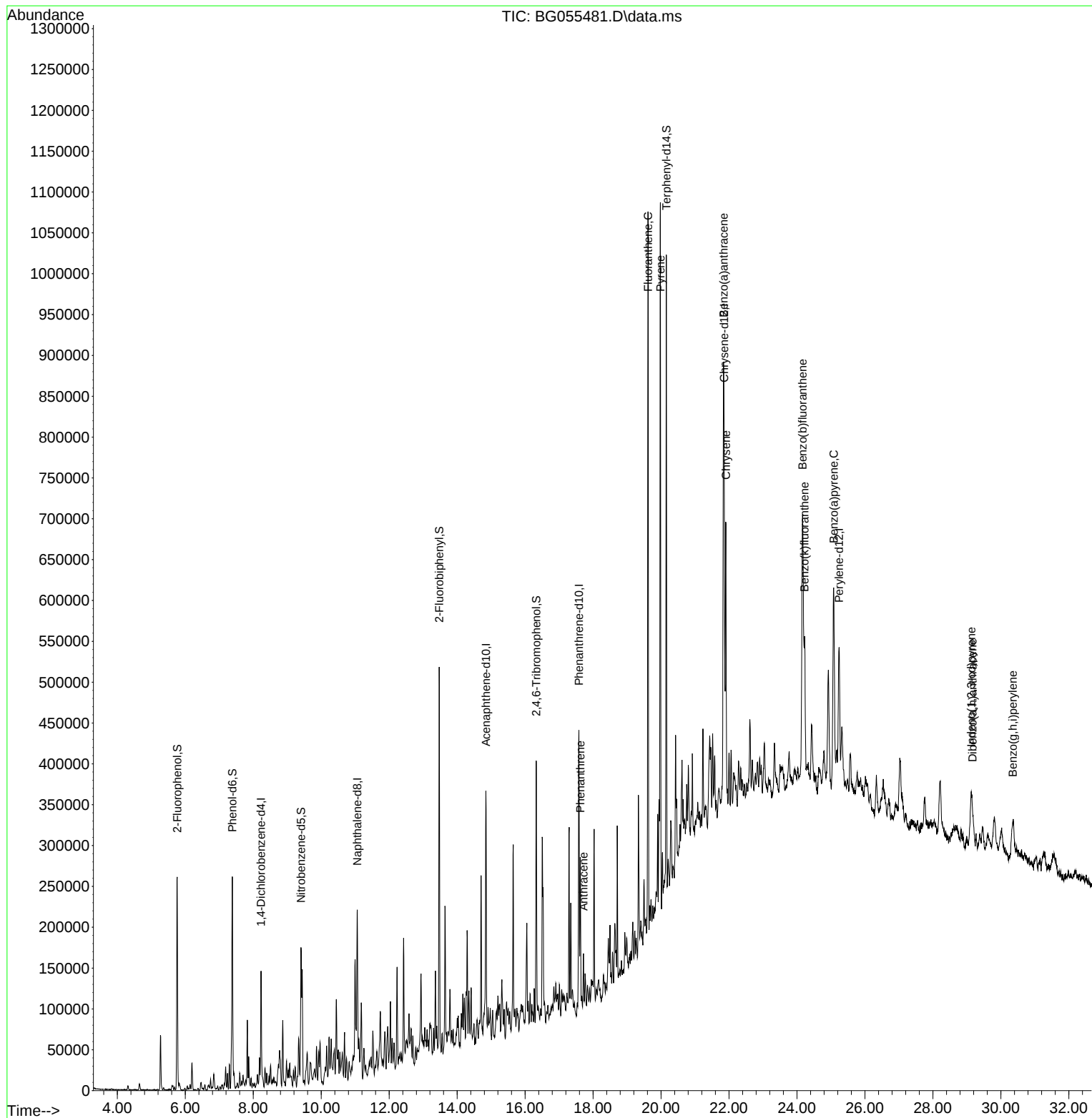
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055481.D
Acq On : 5 Nov 2022 22:28
Operator : CG/JU
Sample : N5459-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

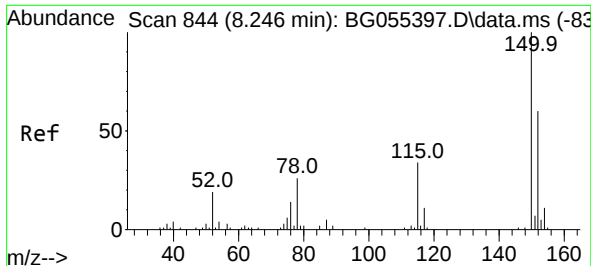
Instrument :
BNA_G
ClientSampleId :
EO-02-110322

Quant Time: Nov 07 01:00:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
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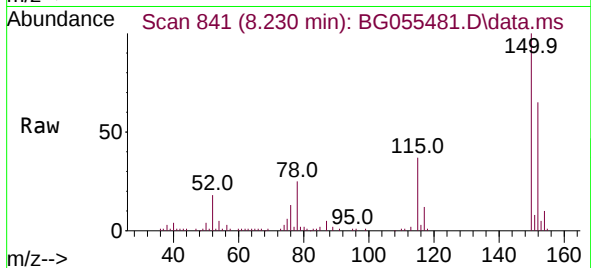
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

Instrument :

BNA_G

ClientSampleId :

EO-02-110322

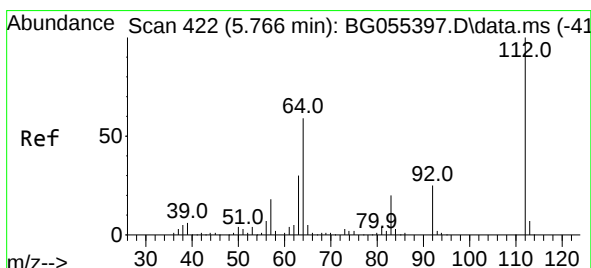
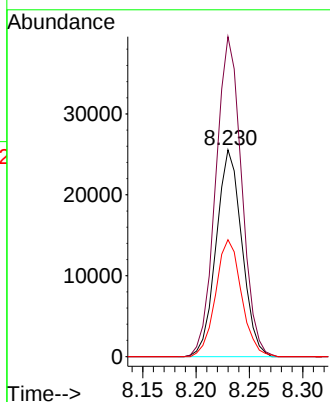
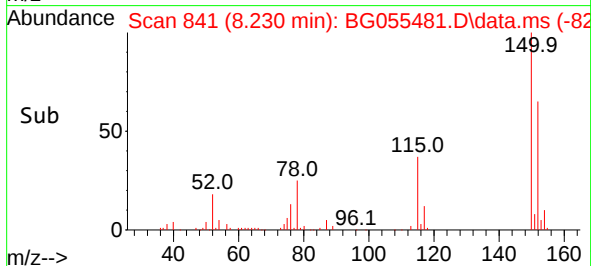


Tgt Ion:152 Resp: 42824
Ion Ratio Lower Upper
152 100
150 154.8 132.8 199.2
115 56.5 45.1 67.7

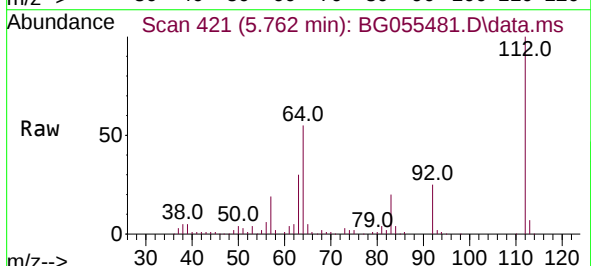
Manual Integrations

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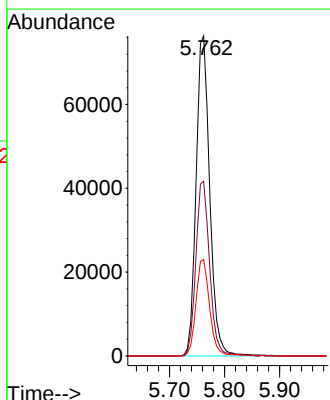
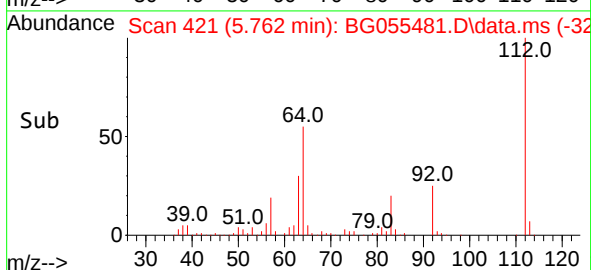
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

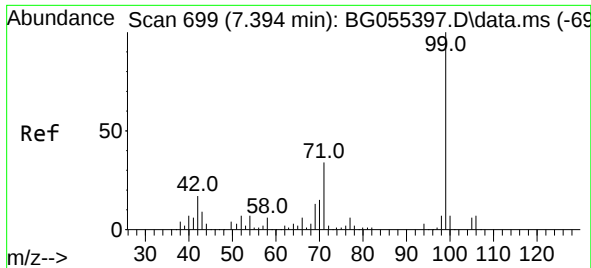


#5
2-Fluorophenol
Concen: 55.089 ng
RT: 5.762 min Scan# 421
Delta R.T. 0.012 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28



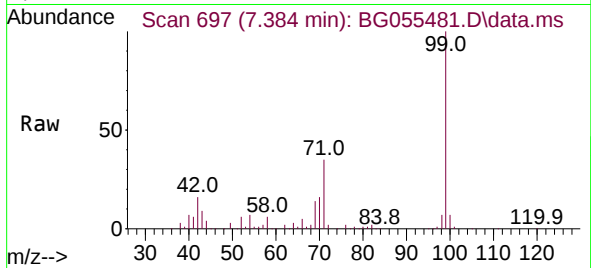
Tgt Ion:112 Resp: 131365
Ion Ratio Lower Upper
112 100
64 54.6 47.2 70.8
63 30.1 24.3 36.5





#7
Phenol-d6
Concen: 49.680 ng
RT: 7.384 min Scan# 699
Delta R.T. 0.006 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

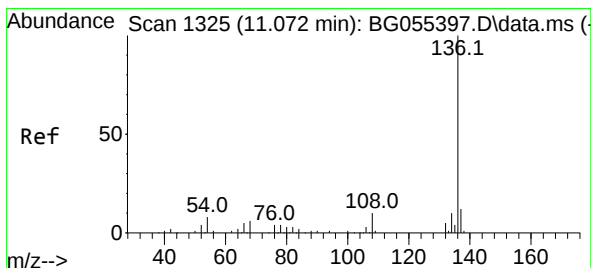
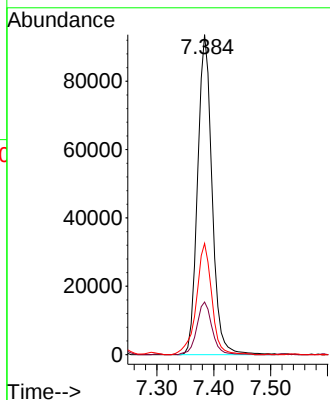
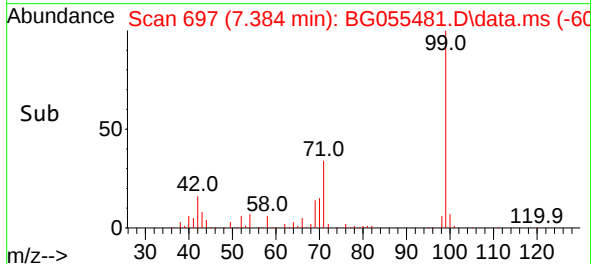
Instrument :
BNA_G
ClientSampleId :
EO-02-110322



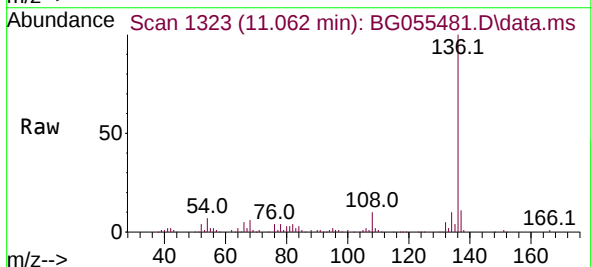
Tgt Ion: 99 Resp: 164284
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 34.7 27.4 41.0

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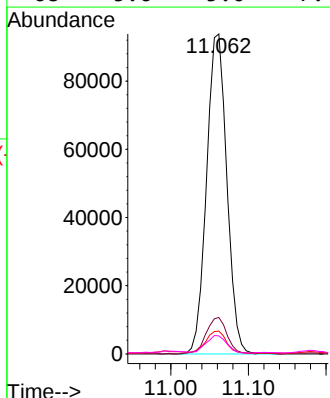
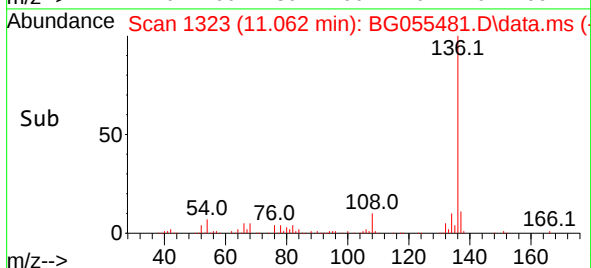
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

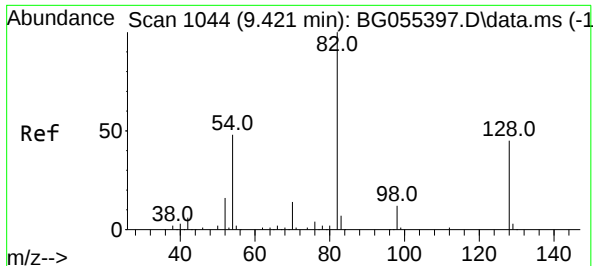


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.062 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28



Tgt Ion:136 Resp: 170065
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 7.1 6.1 9.1
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 30.916 ng

RT: 9.405 min Scan# 1041

Delta R.T. 0.000 min

Lab File: BG055481.D

Acq: 5 Nov 2022 22:28

Instrument :

BNA_G

ClientSampleId :

EO-02-110322

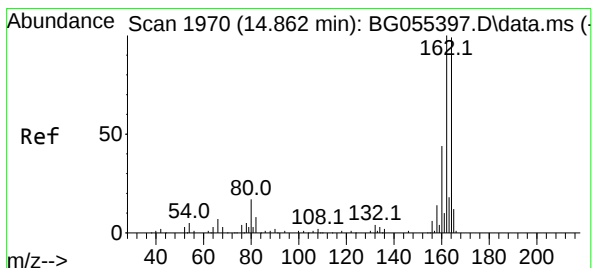
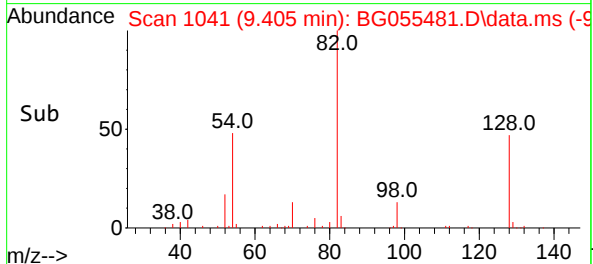
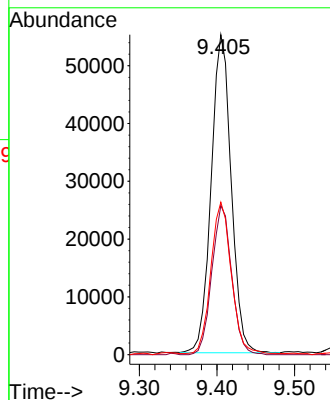
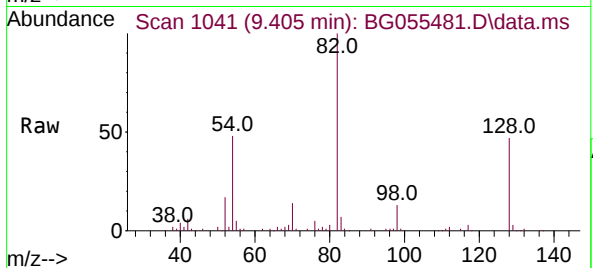
Tgt Ion: 82 Resp: 98653

Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.8	53.8
54	47.6	38.1	57.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.846 min Scan# 1967

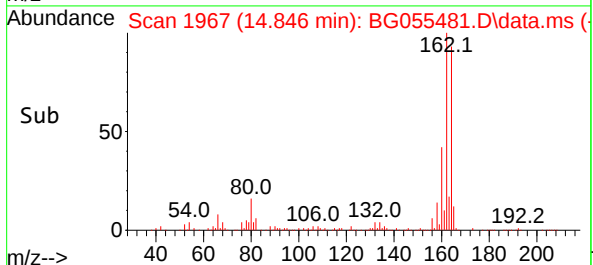
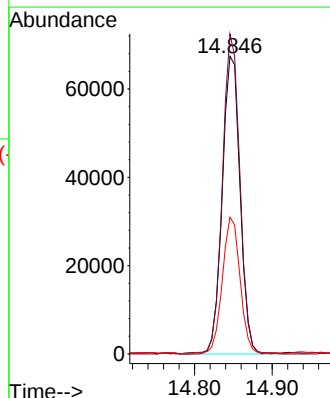
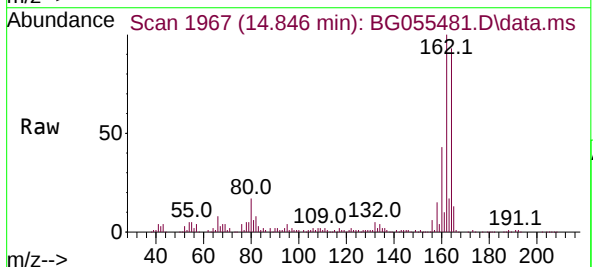
Delta R.T. 0.000 min

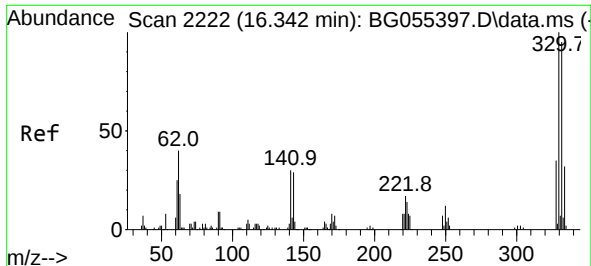
Lab File: BG055481.D

Acq: 5 Nov 2022 22:28

Tgt Ion:164 Resp: 107979

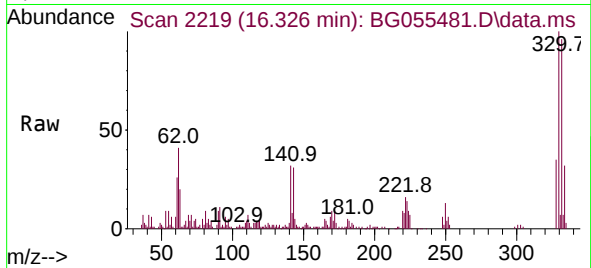
Ion	Ratio	Lower	Upper
164	100		
162	107.6	81.1	121.7
160	45.9	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 48.718 ng
RT: 16.326 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

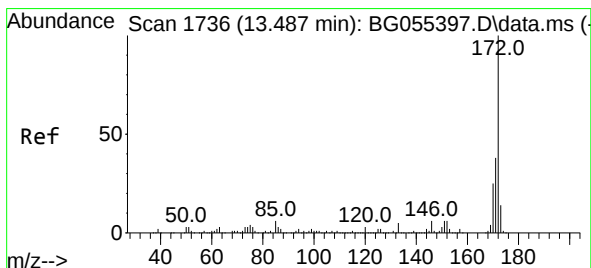
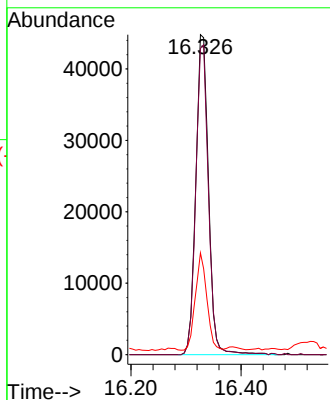
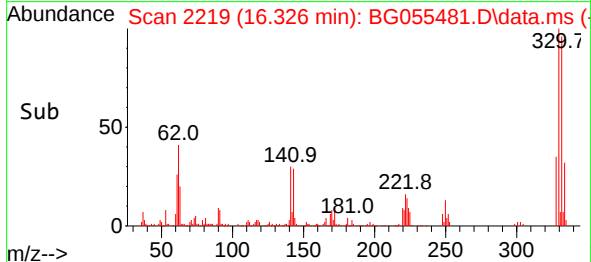
Instrument :
BNA_G
ClientSampleId :
EO-02-110322



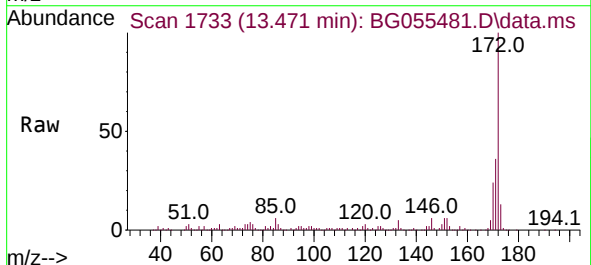
Tgt Ion:330 Resp: 7175
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.6
141 27.5 24.2 36.2

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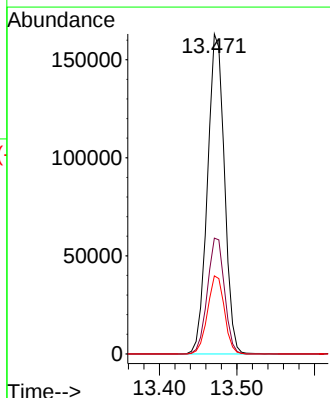
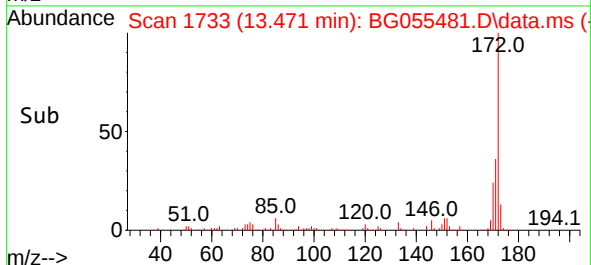
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

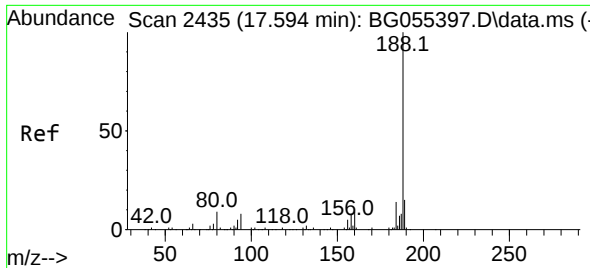


#45
2-Fluorobiphenyl
Concen: 33.940 ng
RT: 13.471 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28



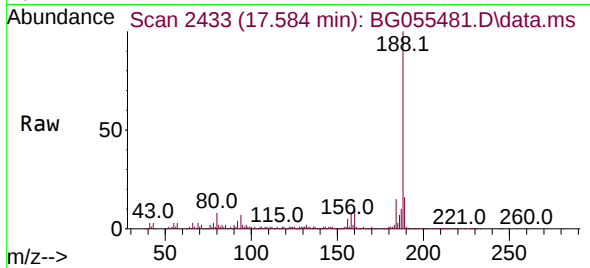
Tgt Ion:172 Resp: 247179
Ion Ratio Lower Upper
172 100
171 36.2 30.2 45.2
170 24.4 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

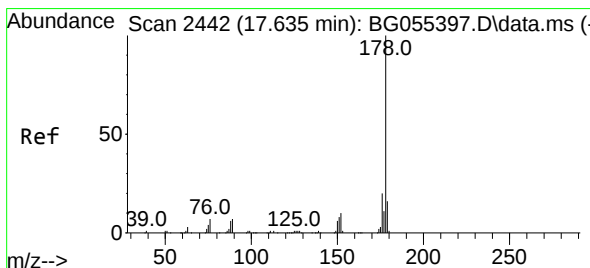
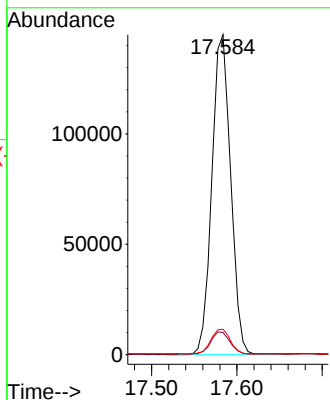
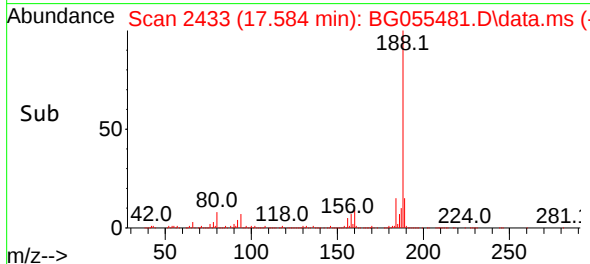
Instrument :
BNA_G
ClientSampleId :
EO-02-110322



Tgt Ion:188 Resp: 221889
Ion Ratio Lower Upper
188 100
94 6.9 6.5 9.7
80 7.9 7.4 11.0

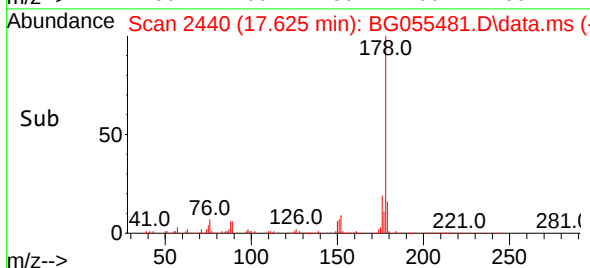
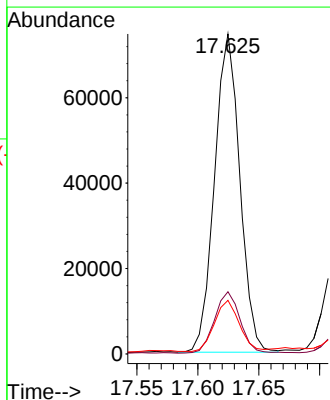
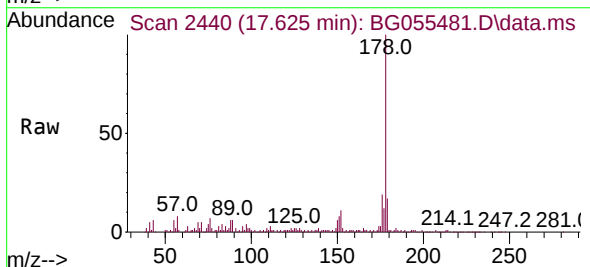
Manual Integrations
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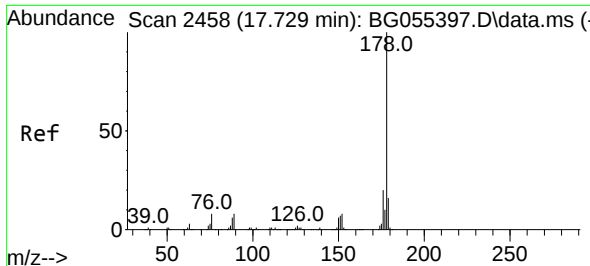
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#71
Phenanthrene
Concen: 8.623 ng
RT: 17.625 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

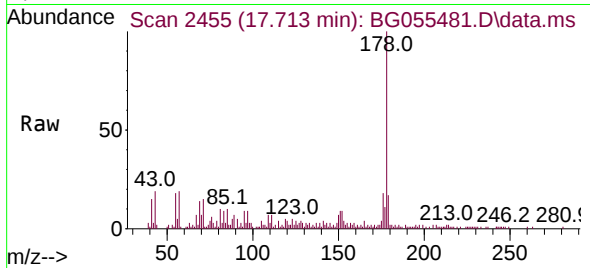
Tgt Ion:178 Resp: 107622
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 16.7 12.7 19.1





#72
 Anthracene
 Concen: 2.946 ng
 RT: 17.713 min Scan# 2458
 Delta R.T. 0.000 min
 Lab File: BG055481.D
 Acq: 5 Nov 2022 22:28

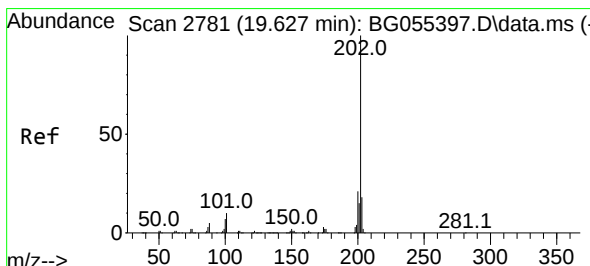
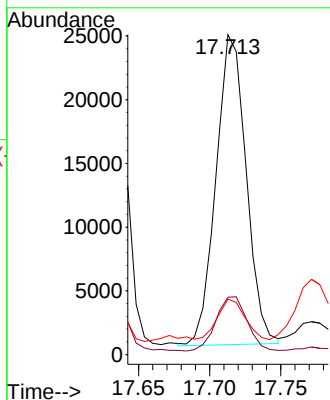
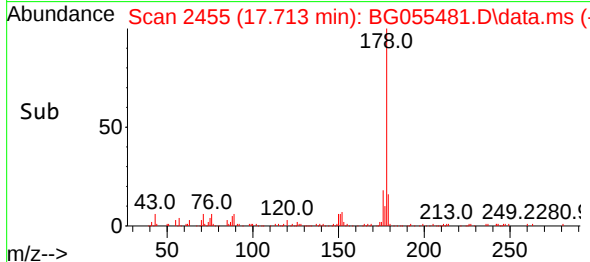
Instrument :
 BNA_G
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 EO-02-110322



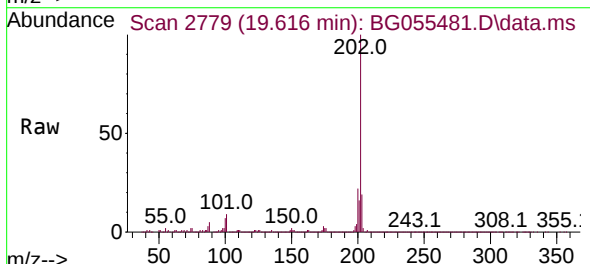
Tgt Ion:178 Resp: 36042
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.7 23.5
 179 17.4 13.0 19.6

Manual Integrations
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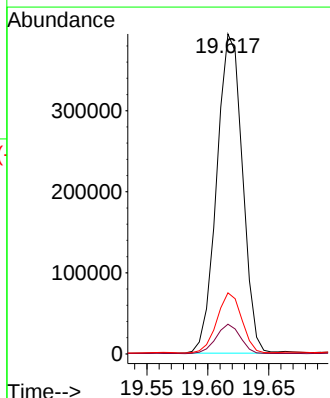
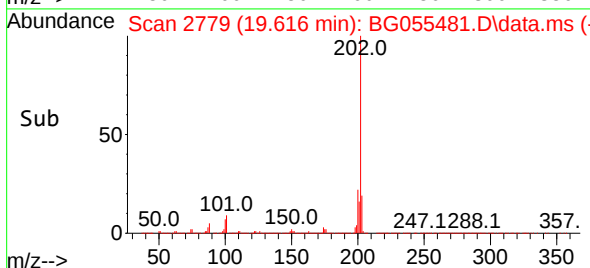
Reviewed By :Christian Giraldo 11/07/2022
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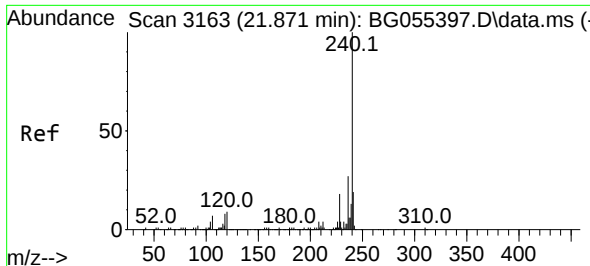


#75
 Fluoranthene
 Concen: 38.521 ng
 RT: 19.616 min Scan# 2779
 Delta R.T. 0.000 min
 Lab File: BG055481.D
 Acq: 5 Nov 2022 22:28



Tgt Ion:202 Resp: 578310
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 29.8
 203 19.1 0.0 38.1





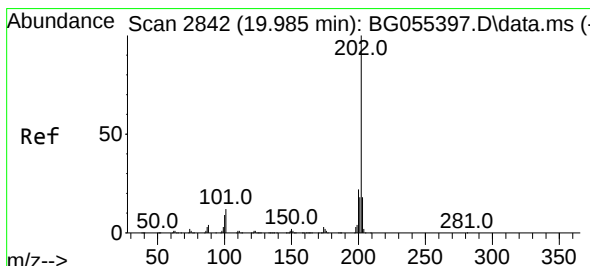
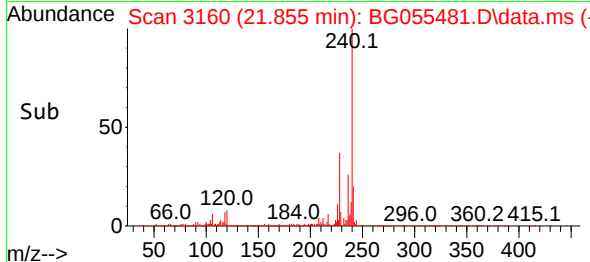
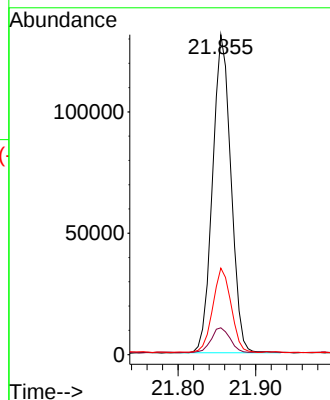
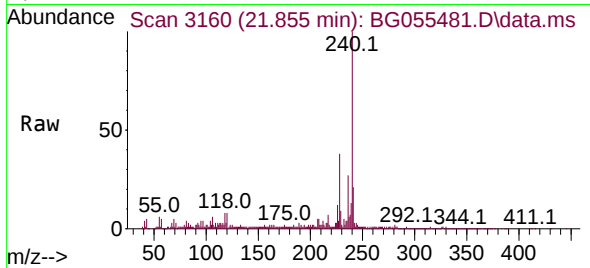
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3160
Delta R.T. 0.000 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

Instrument :
BNA_G
ClientSampleId :
EO-02-110322

Tgt Ion:240 Resp: 21595
Ion Ratio Lower Upper
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120 8.4 6.9 10.3
236 27.0 21.5 32.3

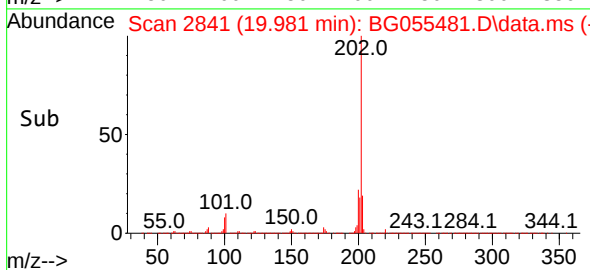
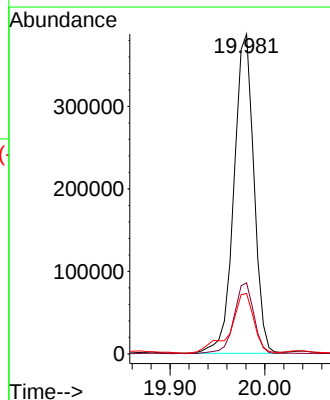
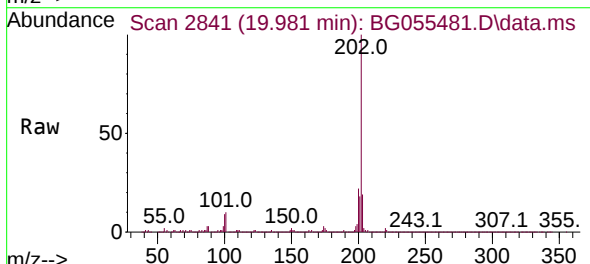
Manual Integrations
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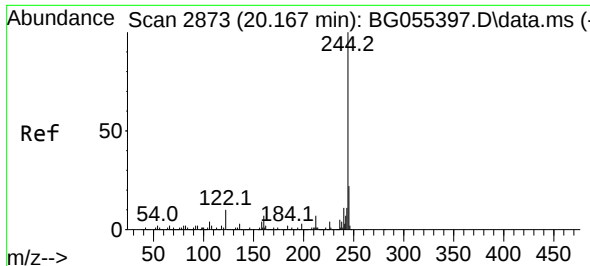
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#78
Pyrene
Concen: 37.201 ng
RT: 19.981 min Scan# 2841
Delta R.T. 0.006 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

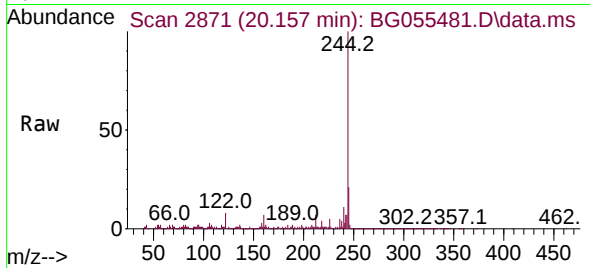
Tgt Ion:202 Resp: 566732
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 18.9 14.7 22.1





#79
 Terphenyl-d14
 Concen: 33.669 ng
 RT: 20.157 min Scan# 2873
 Delta R.T. 0.000 min
 Lab File: BG055481.D
 Acq: 5 Nov 2022 22:28

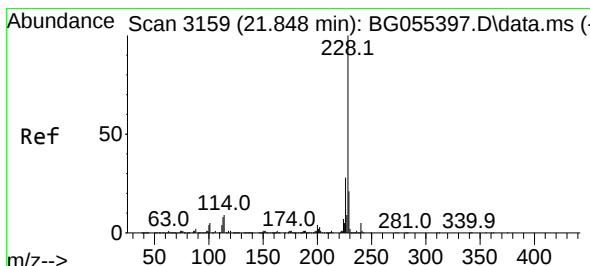
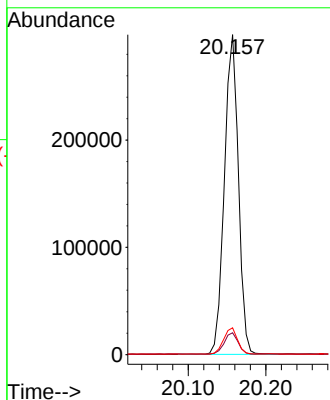
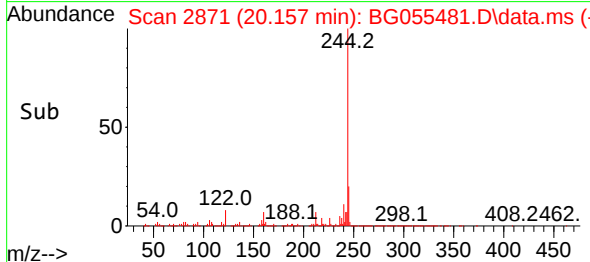
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-110322



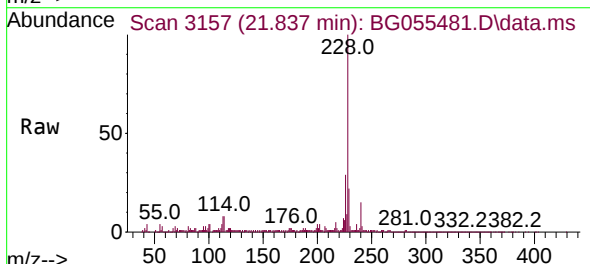
Tgt Ion:244 Resp: 373915
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 8.4 7.8 11.6

Manual Integrations
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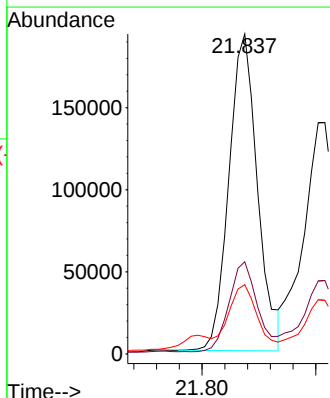
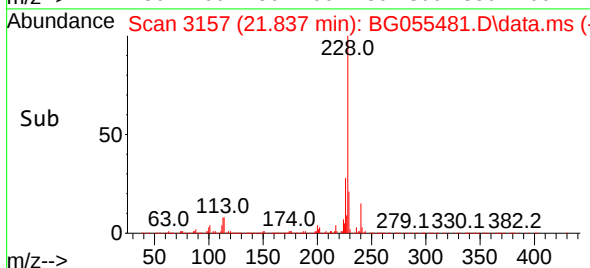
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

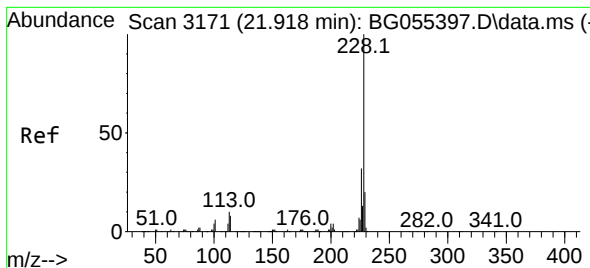


#81
 Benzo(a)anthracene
 Concen: 22.721 ng
 RT: 21.837 min Scan# 3157
 Delta R.T. 0.006 min
 Lab File: BG055481.D
 Acq: 5 Nov 2022 22:28



Tgt Ion:228 Resp: 336815
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 33.8
 229 21.6 16.5 24.7





#83

Chrysene

Concen: 19.522 ng

RT: 21.908 min Scan# 3171

Delta R.T. 0.006 min

Lab File: BG055481.D

Acq: 5 Nov 2022 22:28

Instrument :

BNA_G

ClientSampleId :

EO-02-110322

Tgt Ion:228 Resp: 276090

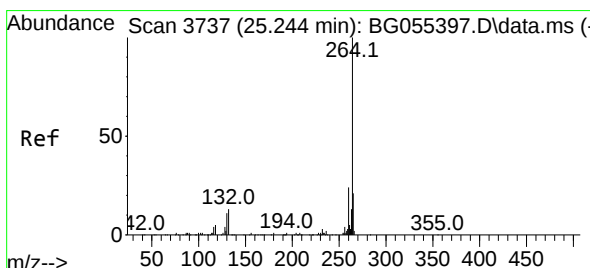
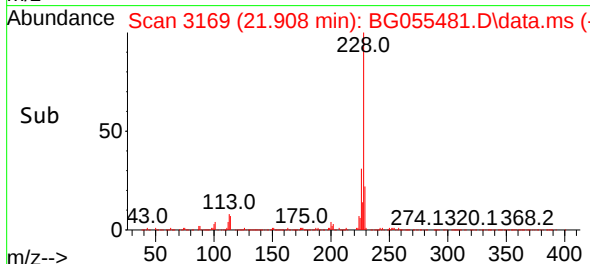
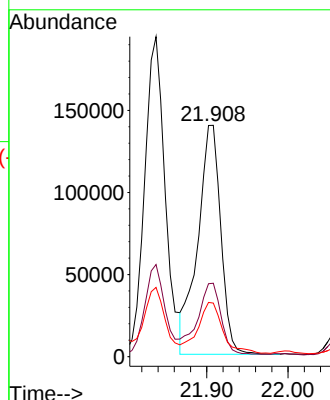
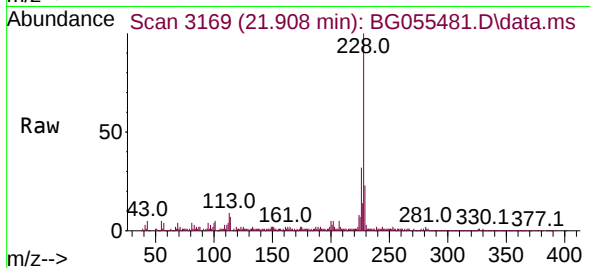
Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.2	37.8
229	23.1	16.2	24.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.239 min Scan# 3736

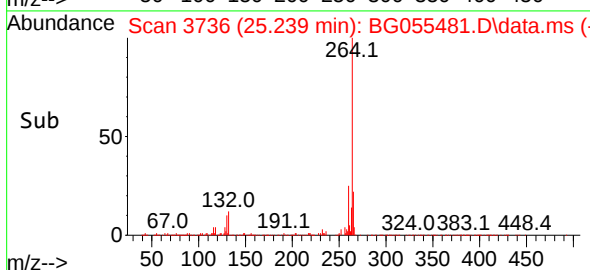
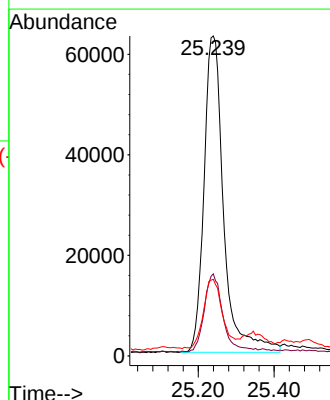
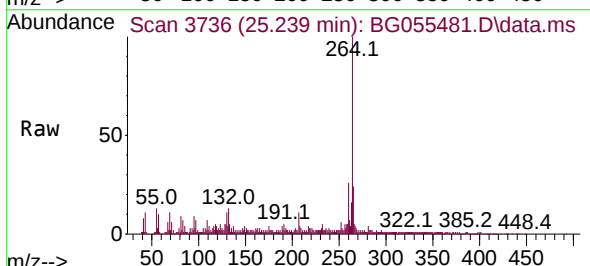
Delta R.T. 0.018 min

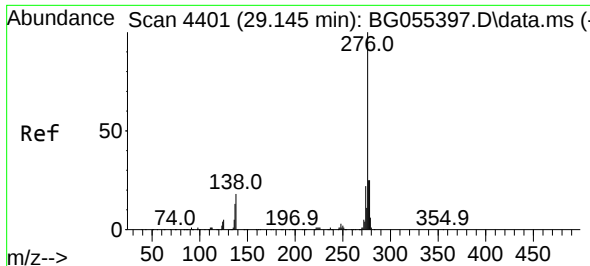
Lab File: BG055481.D

Acq: 5 Nov 2022 22:28

Tgt Ion:264 Resp: 226878

Ion	Ratio	Lower	Upper
264	100		
260	25.6	18.9	28.3
265	23.9	17.1	25.7





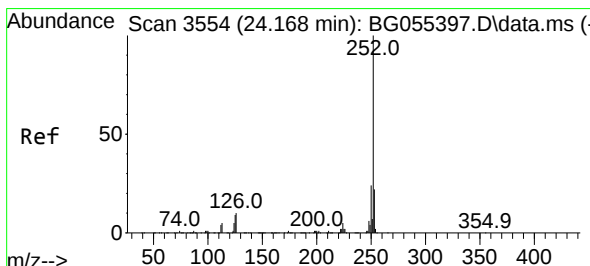
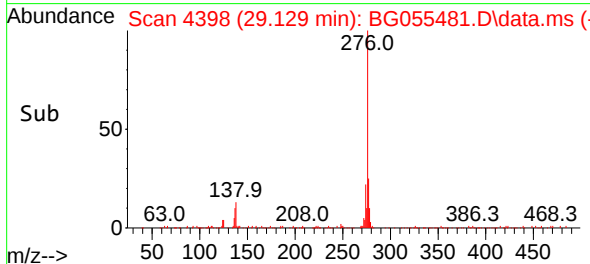
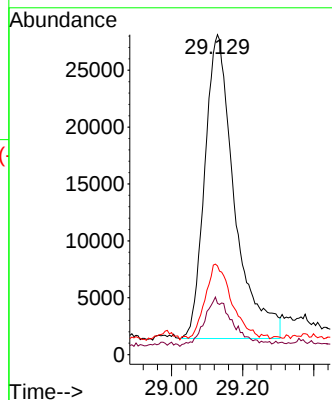
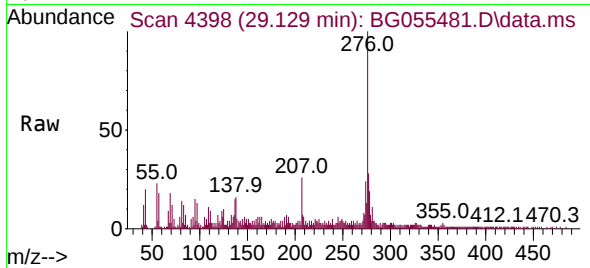
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.507 ng
 RT: 29.129 min Scan# 4398
 Delta R.T. 0.018 min
 Lab File: BG055481.D
 Acq: 5 Nov 2022 22:28

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-110322

Tgt Ion:276 Resp: 154954
 Ion Ratio Lower Upper
 276 100
 138 15.6 16.2 24.2
 277 21.8 20.5 30.7

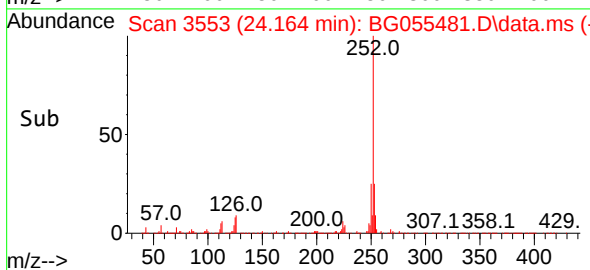
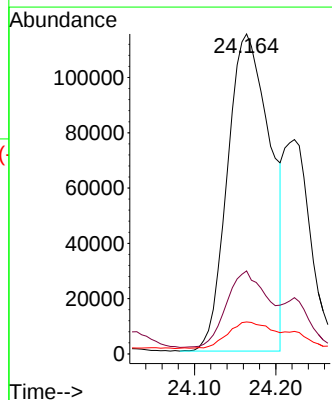
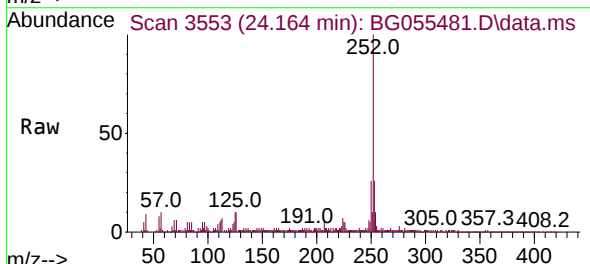
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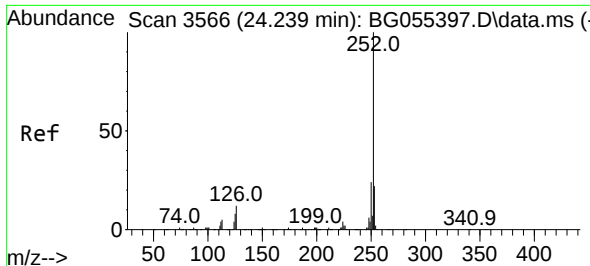
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022



#88
 Benzo(b)fluoranthene
 Concen: 29.093 ng
 RT: 24.164 min Scan# 3553
 Delta R.T. 0.018 min
 Lab File: BG055481.D
 Acq: 5 Nov 2022 22:28

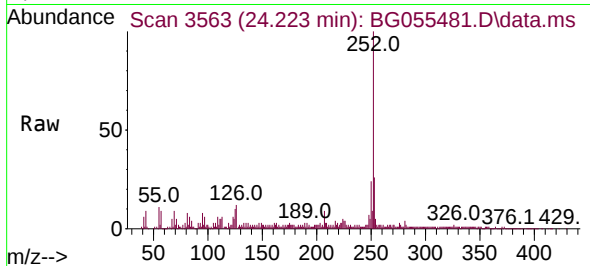
Tgt Ion:252 Resp: 419266
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.8 26.8
 125 10.0 6.8 10.2





#89
Benzo(k)fluoranthene
Concen: 12.936 ng m
RT: 24.223 min Scan# 3566
Delta R.T. 0.006 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

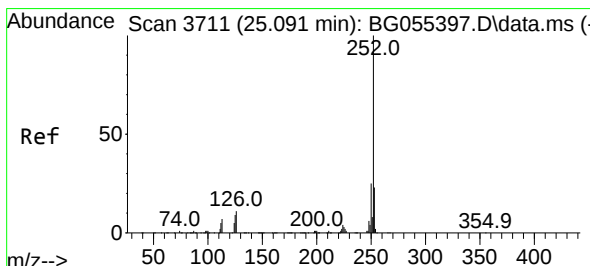
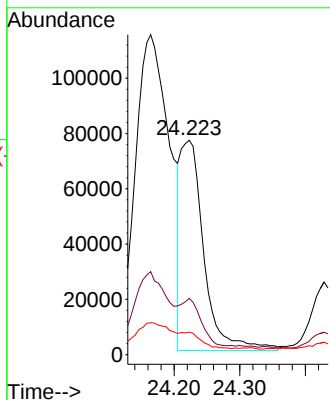
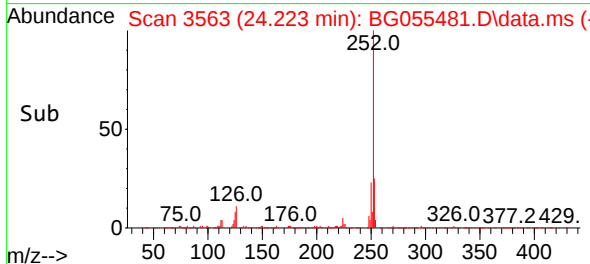
Instrument :
BNA_G
ClientSampleId :
EO-02-110322



Tgt Ion:252 Resp: 187337
Ion Ratio Lower Upper
252 100
253 26.2 17.9 26.9
125 10.5 6.9 10.3

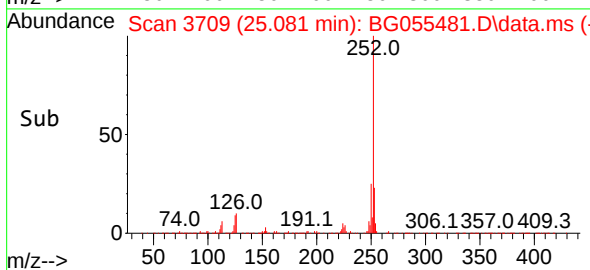
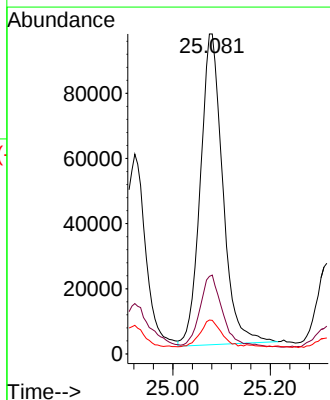
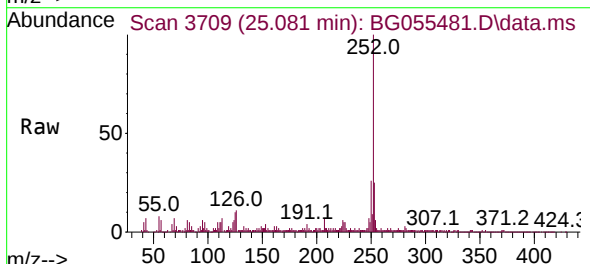
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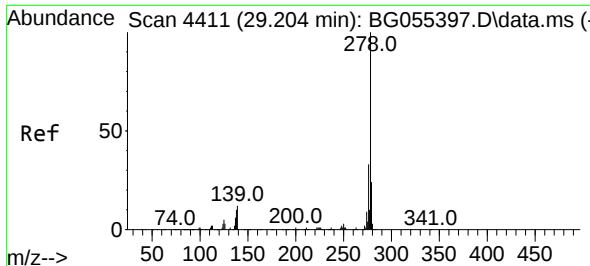
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#90
Benzo(a)pyrene
Concen: 24.426 ng
RT: 25.081 min Scan# 3709
Delta R.T. 0.018 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

Tgt Ion:252 Resp: 304374
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 10.5 7.1 10.7





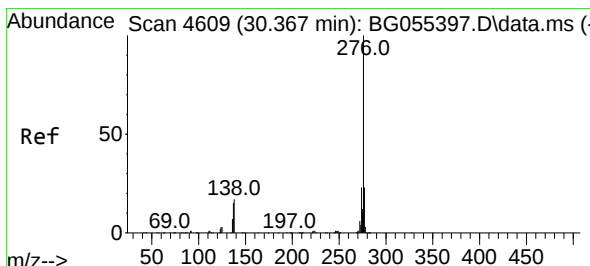
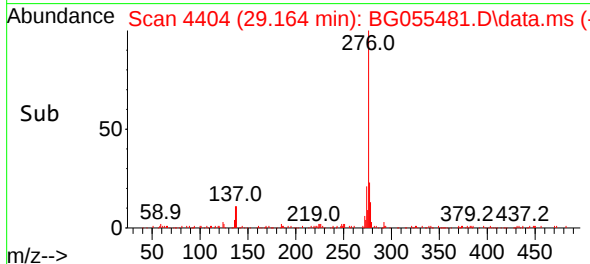
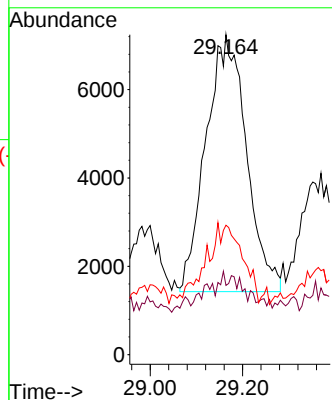
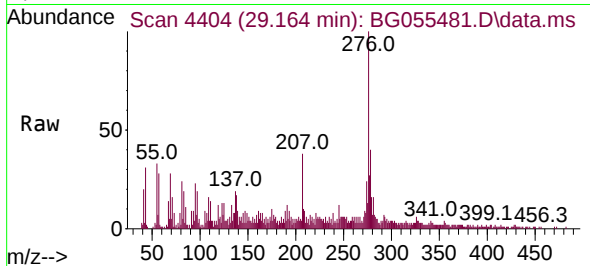
#91
Dibenzo(a,h)anthracene
Concen: 2.360 ng m
RT: 29.164 min Scan# 4411
Delta R.T. 0.006 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

Instrument :
BNA_G
ClientSampleId :
EO-02-110322

Tgt Ion:278 Resp: 35466
Ion Ratio Lower Upper
278 100
139 21.6 9.9 14.9
279 40.4 19.0 28.4

Manual Integrations
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Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#92
Benzo(g,h,i)perylene
Concen: 8.646 ng
RT: 30.351 min Scan# 4606
Delta R.T. 0.029 min
Lab File: BG055481.D
Acq: 5 Nov 2022 22:28

Tgt Ion:276 Resp: 129236
Ion Ratio Lower Upper
276 100
277 28.1 18.6 28.0
138 19.2 13.4 20.0

