

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120922\
 Data File : BG055944.D
 Acq On : 9 Dec 2022 14:56
 Operator : CG/JU
 Sample : N5942-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-120722DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/10/2022
 Supervised By : Jagrut Upadhyay 12/12/2022

Quant Time: Dec 10 05:44:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 07:57:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.135	152	33715	20.000	ng	0.00
21) Naphthalene-d8	10.961	136	136937	20.000	ng	-0.01
39) Acenaphthene-d10	14.774	164	96538	20.000	ng	0.00
64) Phenanthrene-d10	17.512	188	228961	20.000	ng	-0.01
76) Chrysene-d12	21.796	240	206411	20.000	ng	0.00
86) Perylene-d12	25.127	264	236463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	54120	29.015	ng	0.00
7) Phenol-d6	7.295	99	71056	28.617	ng	0.00
23) Nitrobenzene-d5	9.310	82	45398	17.523	ng	-0.01
42) 2,4,6-Tribromophenol	16.261	330	36582	26.911	ng	0.00
45) 2-Fluorobiphenyl	13.394	172	115829	17.975	ng	-0.01
79) Terphenyl-d14	20.103	244	199360	19.318	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.559	178	230217	18.632	ng	98
73) Carbazole	17.918	167	60815	5.635	ng	98
75) Fluoranthene	19.563	202	491797	32.718	ng	100
78) Pyrene	19.921	202	368427	26.370	ng	99
81) Benzo(a)anthracene	21.772	228	159253	11.202	ng	99
83) Chrysene	21.843	228	205368	15.174	ng	99
87) Indeno(1,2,3-cd)pyrene	28.958	276	137893	7.118	ng	# 95
88) Benzo(b)fluoranthene	24.064	252	261115	16.956	ng	99
89) Benzo(k)fluoranthene	24.122	252	99150m	6.459	ng	
90) Benzo(a)pyrene	24.968	252	165289	12.508	ng	98
91) Dibenzo(a,h)anthracene	28.999	278	48174	3.043	ng	# 92
92) Benzo(g,h,i)perylene	30.162	276	132695	8.317	ng	95

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

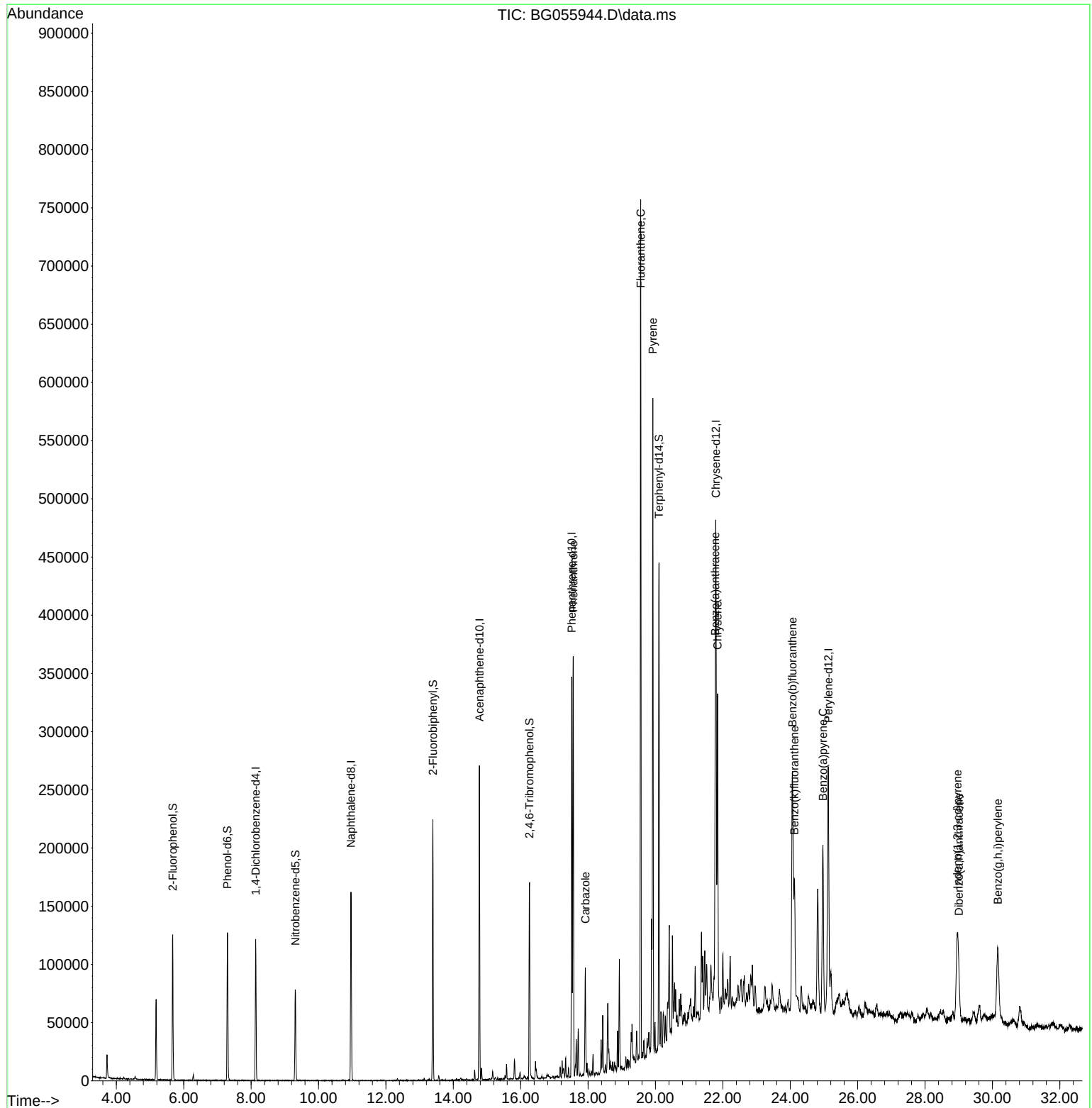
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120922\
Data File : BG055944.D
Acq On : 9 Dec 2022 14:56
Operator : CG/JU
Sample : N5942-01DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

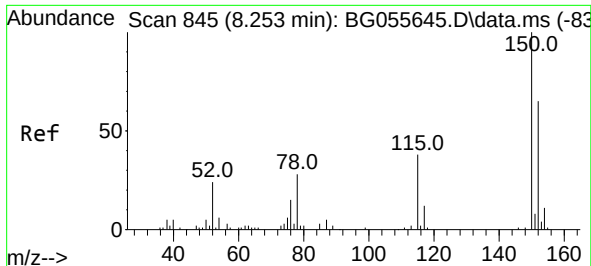
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

Quant Time: Dec 10 05:44:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 07:57:14 2022
Response via : Initial Calibration

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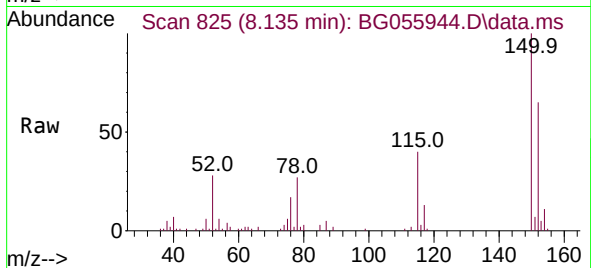
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Supervised By :Jagrut Upadhyay 12/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.135 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

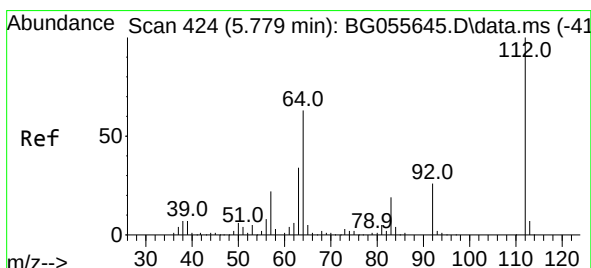
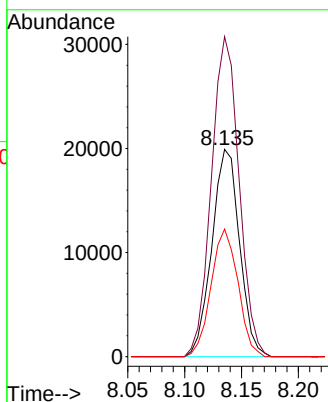
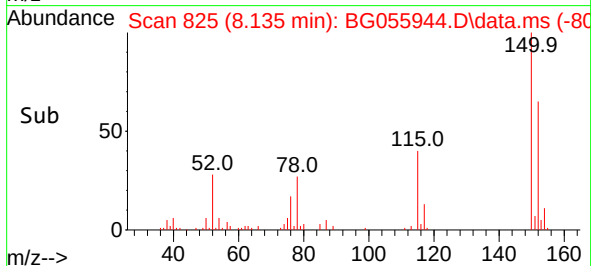
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL



Tgt Ion:152 Resp: 33715
Ion Ratio Lower Upper
152 100
150 154.4 123.0 184.6
115 61.5 47.0 70.4

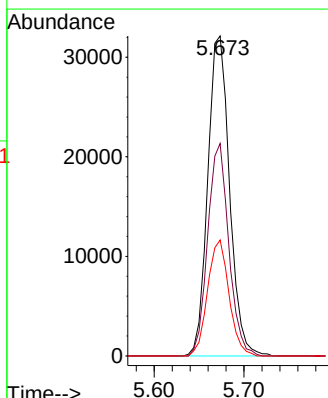
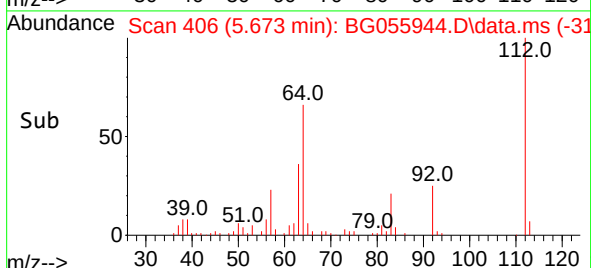
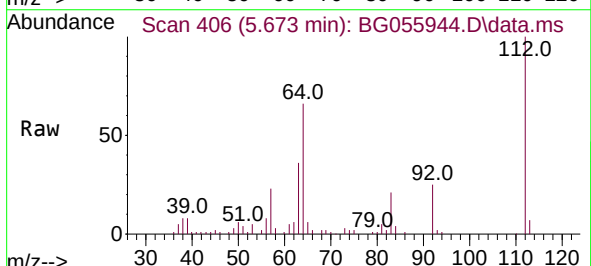
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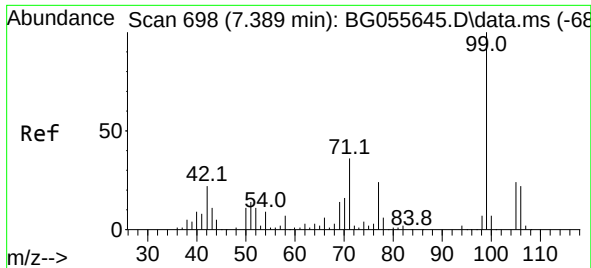
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#5
2-Fluorophenol
Concen: 29.015 ng
RT: 5.673 min Scan# 406
Delta R.T. 0.001 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:112 Resp: 54120
Ion Ratio Lower Upper
112 100
64 66.4 50.6 76.0
63 36.2 27.5 41.3





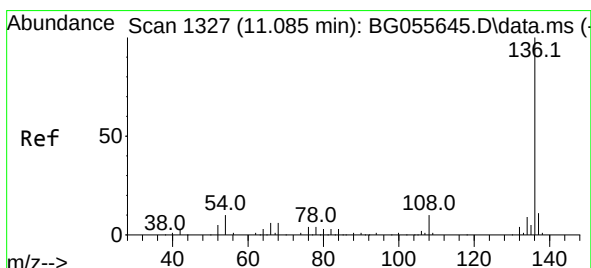
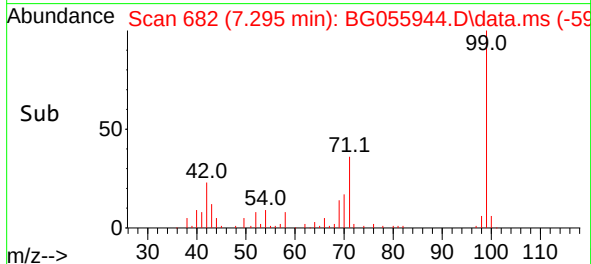
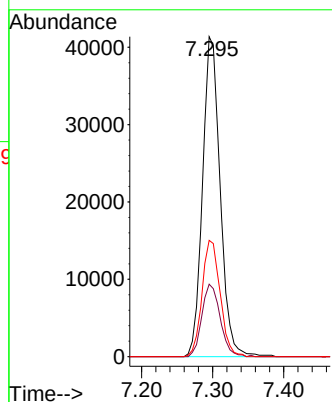
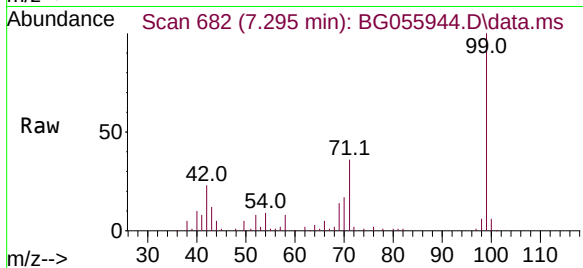
#7
Phenol-d6
Concen: 28.617 ng
RT: 7.295 min Scan# 681
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

Tgt Ion: 99 Resp: 71056
Ion Ratio Lower Upper
99 100
42 22.6 18.0 27.0
71 36.3 29.0 43.6

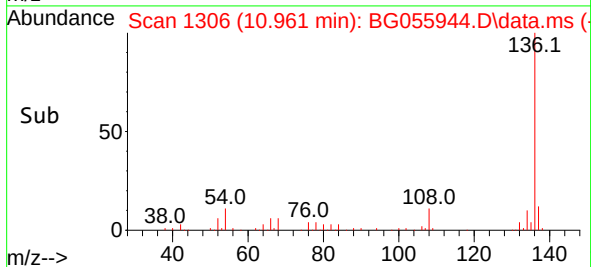
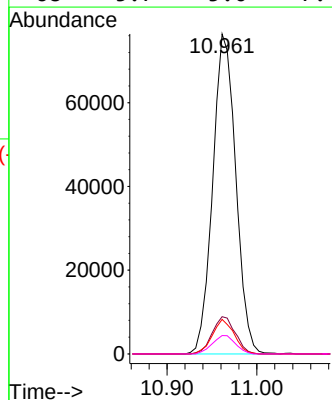
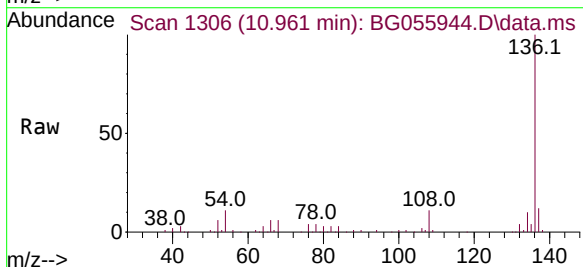
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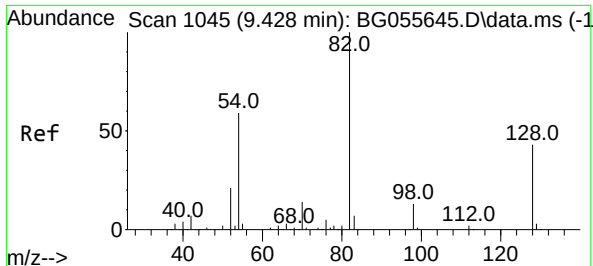
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.961 min Scan# 1306
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:136 Resp: 136937
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 10.8 7.8 11.6
68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 17.523 ng

RT: 9.310 min Scan# 1045

Delta R.T. -0.011 min

Lab File: BG055944.D

Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL

Tgt Ion: 82 Resp: 45398

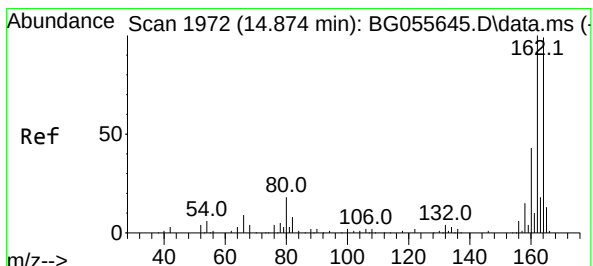
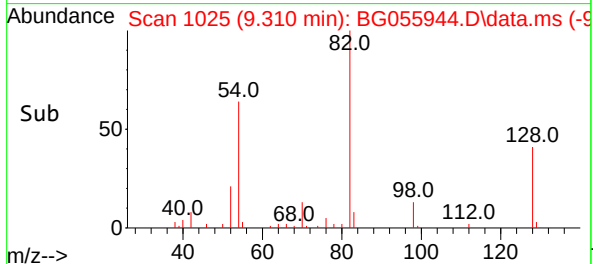
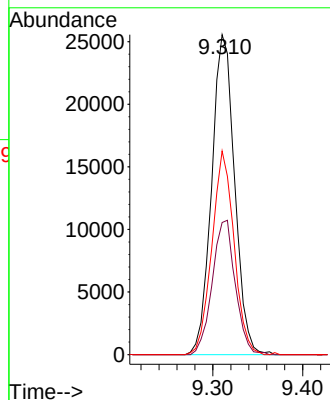
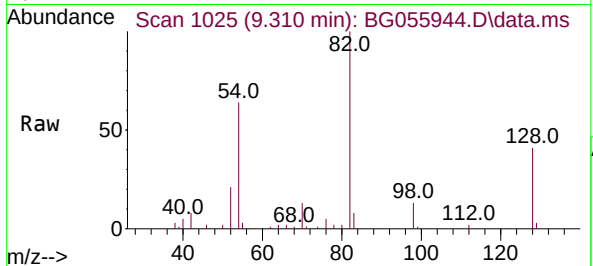
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.1	51.1
54	63.6	47.3	70.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.774 min Scan# 1955

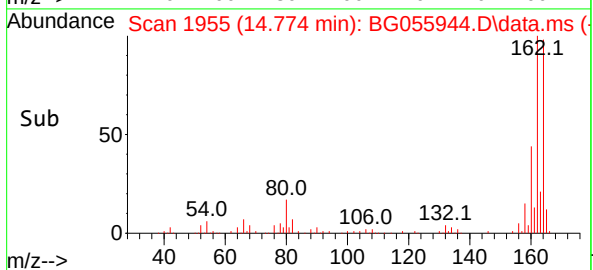
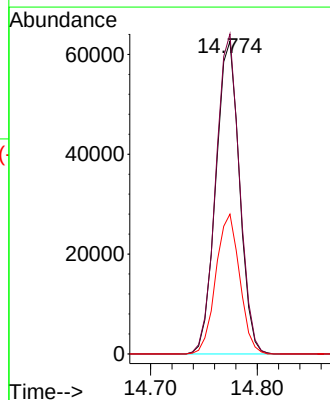
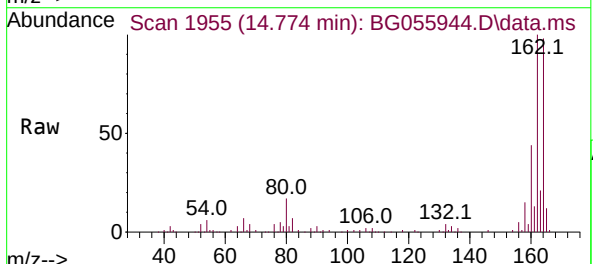
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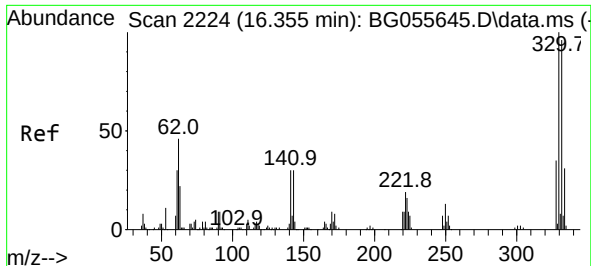
Lab File: BG055944.D

Acq: 9 Dec 2022 14:56

Tgt Ion:164 Resp: 96538

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.1	121.7
160	44.7	34.8	52.2





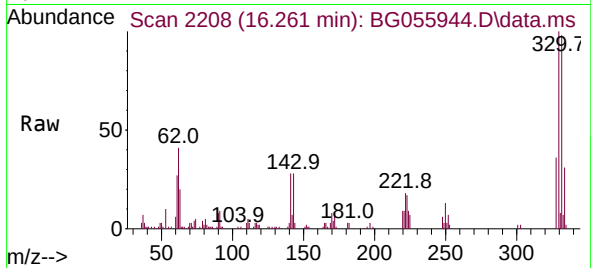
#42
2,4,6-Tribromophenol
Concen: 26.911 ng
RT: 16.261 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL

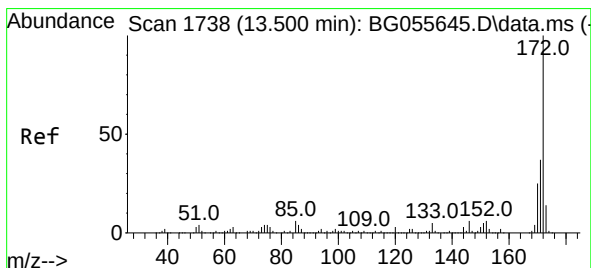
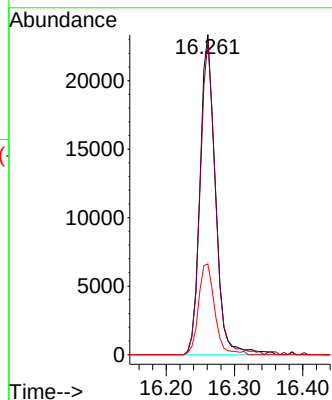
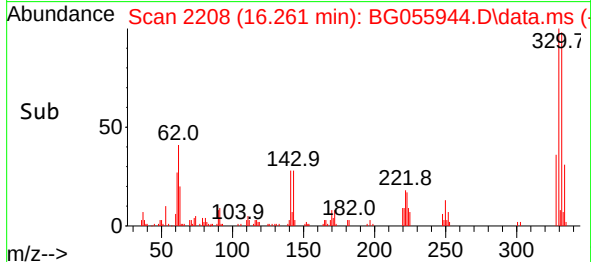


Tgt Ion:330 Resp: 36582
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 29.7 23.9 35.9

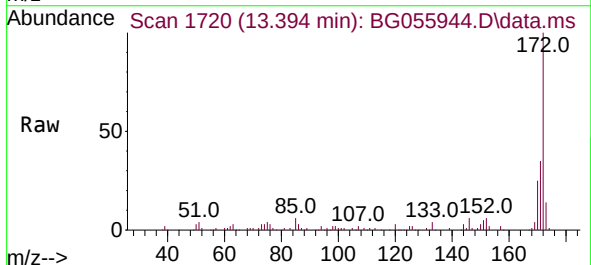
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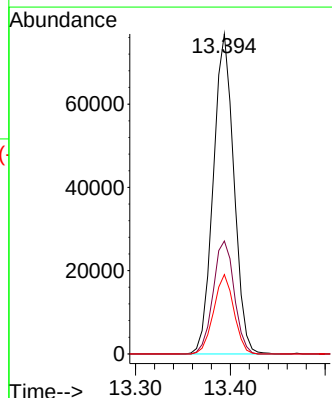
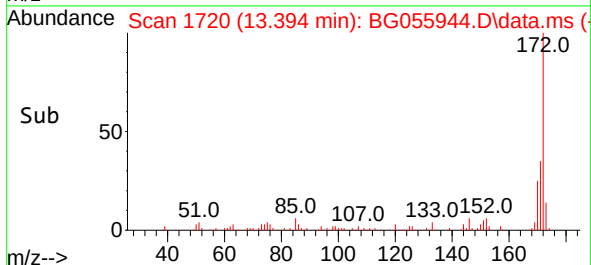
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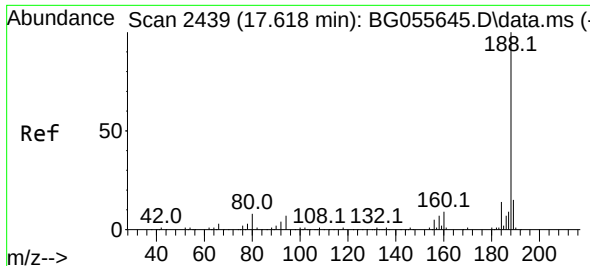


#45
2-Fluorobiphenyl
Concen: 17.975 ng
RT: 13.394 min Scan# 1720
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56



Tgt Ion:172 Resp: 115829
Ion Ratio Lower Upper
172 100
171 35.3 29.8 44.6
170 24.8 20.2 30.4





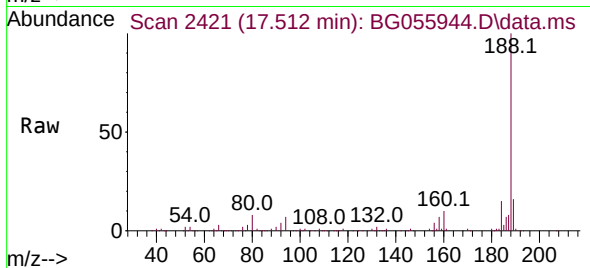
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.512 min Scan# 2439
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL

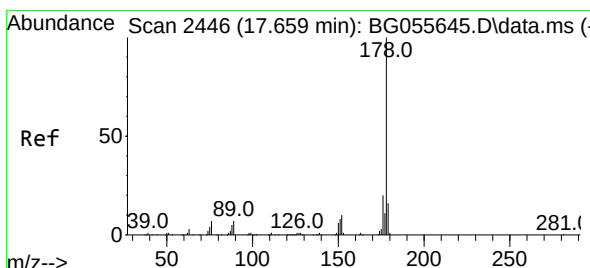
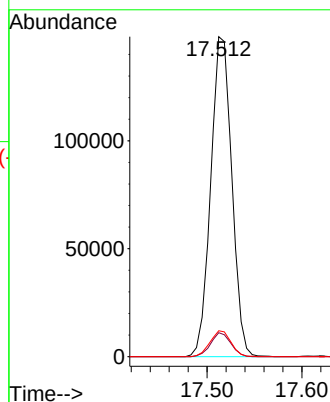
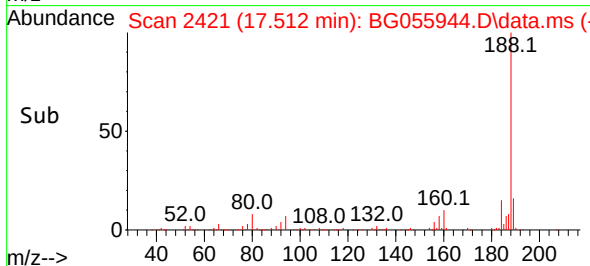


Tgt Ion:188 Resp: 228961
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.2
80 8.1 6.6 10.0

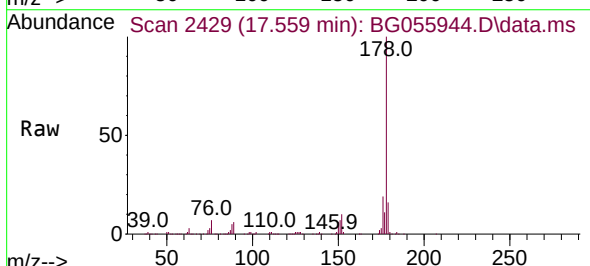
Manual Integrations

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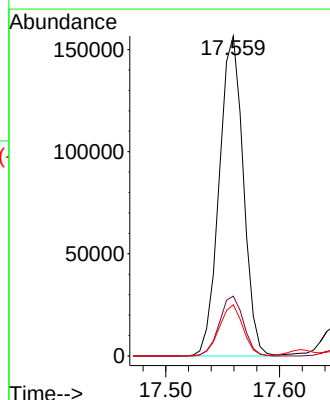
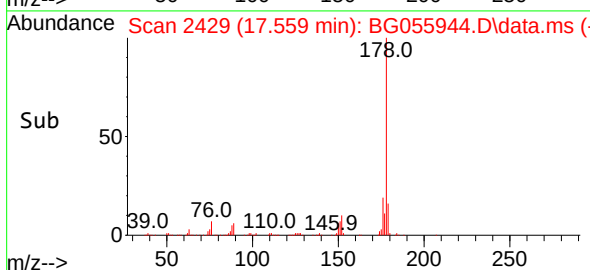
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Supervised By :Jagrut Upadhyay 12/12/2022

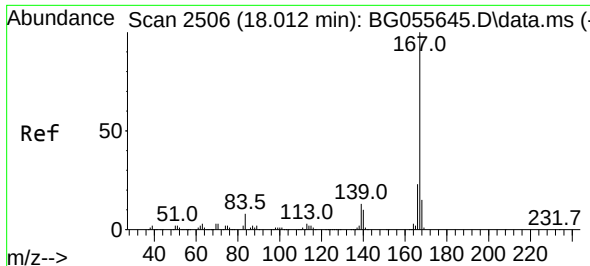


#71
Phenanthrene
Concen: 18.632 ng
RT: 17.559 min Scan# 2429
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56



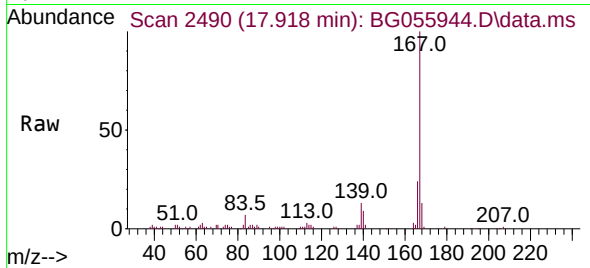
Tgt Ion:178 Resp: 230217
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 16.0 12.7 19.1





#73
 Carbazole
 Concen: 5.635 ng
 RT: 17.918 min Scan# 24
 Delta R.T. -0.005 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56

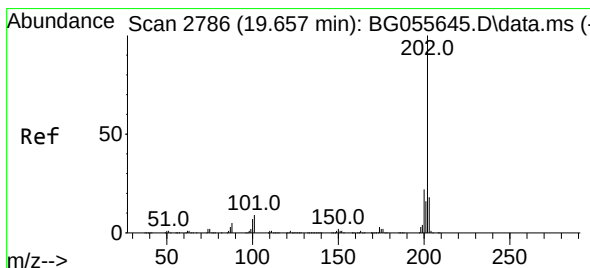
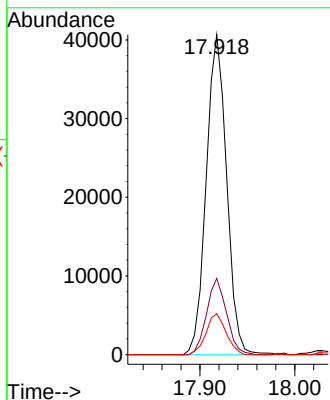
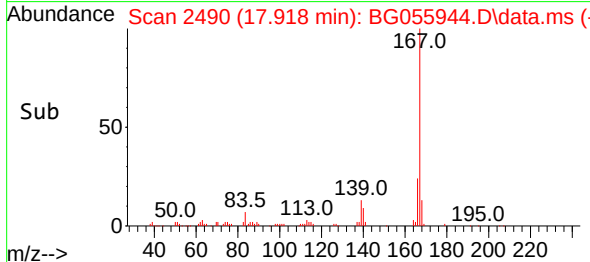
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 OK-01-120722DL



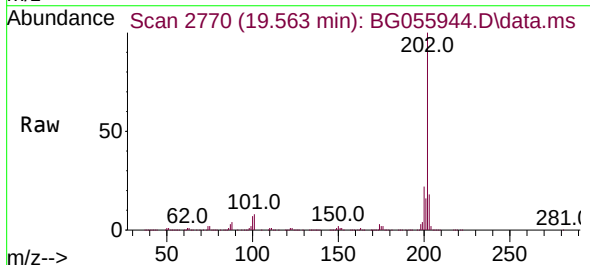
Tgt Ion:167 Resp: 60815
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.2 27.2
 139 12.8 10.2 15.4

Manual Integrations
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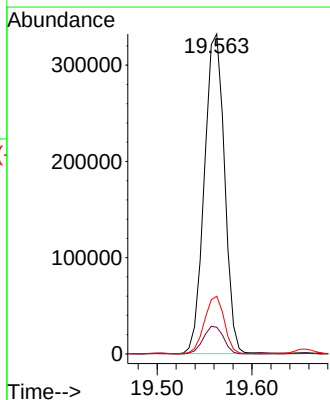
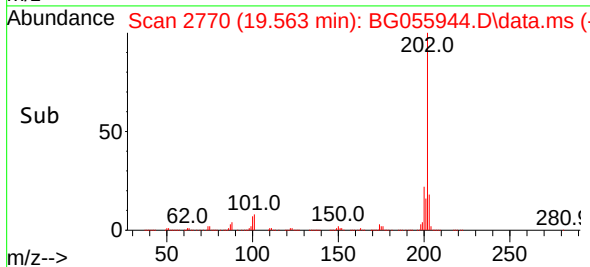
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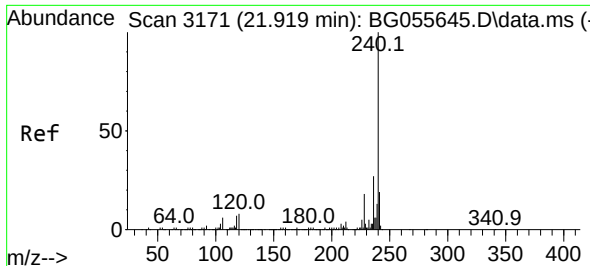


#75
 Fluoranthene
 Concen: 32.718 ng
 RT: 19.563 min Scan# 2770
 Delta R.T. -0.005 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56



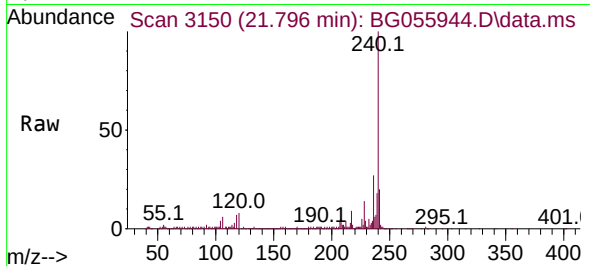
Tgt Ion:202 Resp: 491797
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.8
 203 18.0 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.796 min Scan# 3171
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

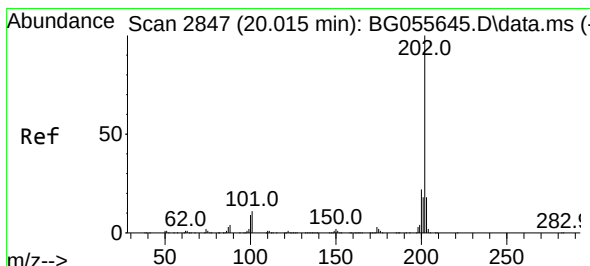
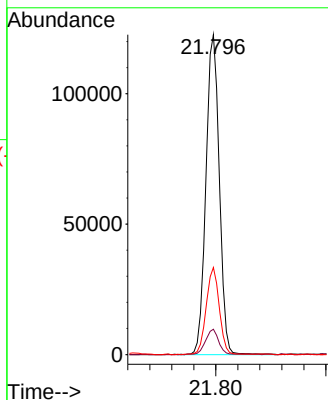
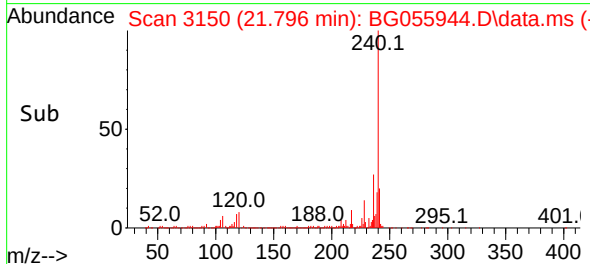
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL



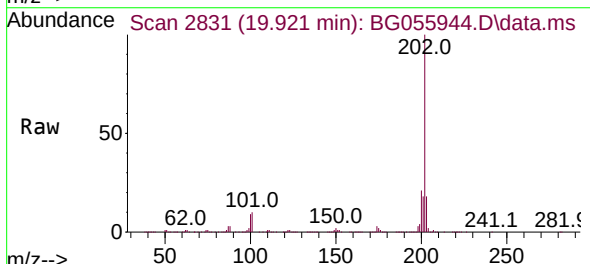
Tgt Ion:240 Resp: 206411
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 27.3 21.9 32.9

Manual Integrations
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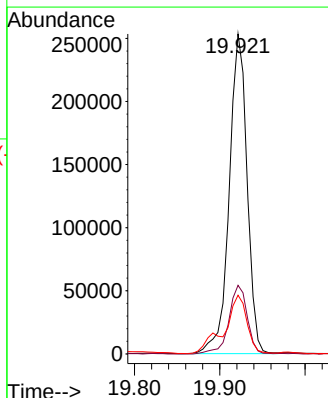
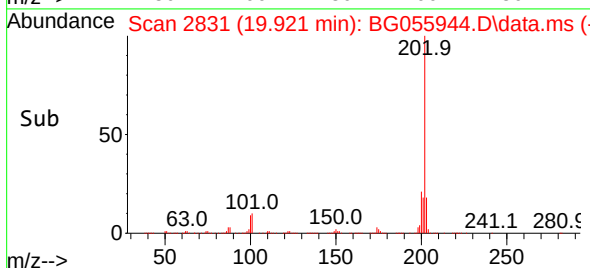
Reviewed By :Christian Giraldo 12/10/2022
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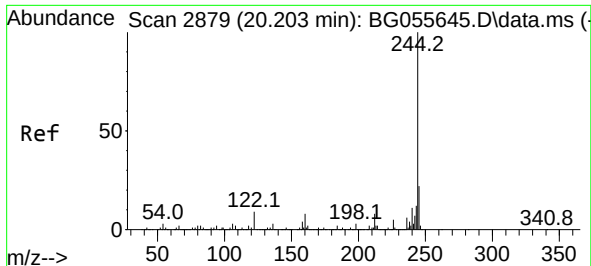


#78
Pyrene
Concen: 26.370 ng
RT: 19.921 min Scan# 2831
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56



Tgt Ion:202 Resp: 368427
Ion Ratio Lower Upper
202 100
200 21.4 17.8 26.6
203 18.3 14.4 21.6





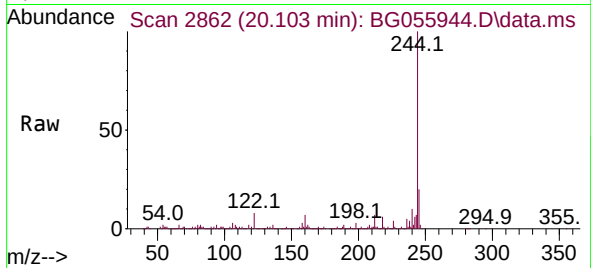
#79
 Terphenyl-d14
 Concen: 19.318 ng
 RT: 20.103 min Scan# 2879
 Delta R.T. -0.005 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL

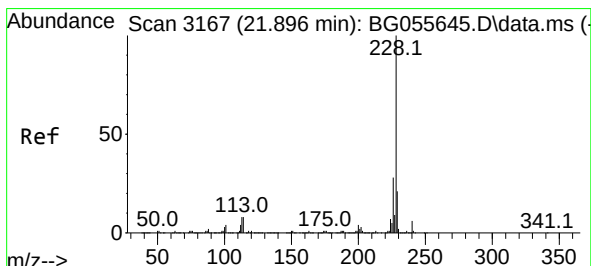
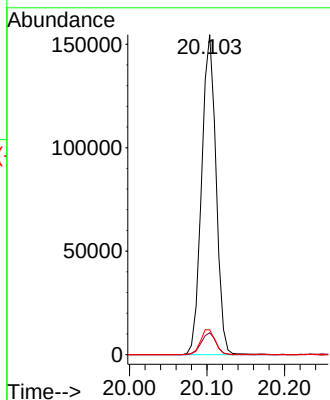
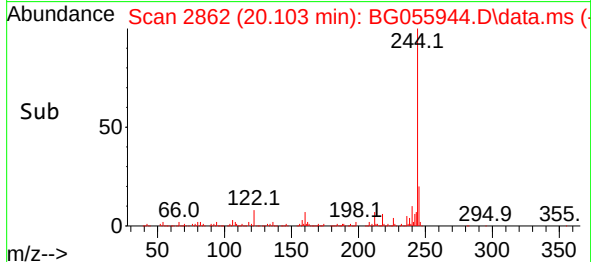


Tgt Ion:244 Resp: 199360
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.3 9.5
 122 7.7 6.9 10.3

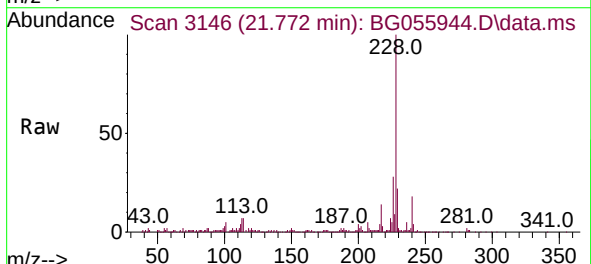
Manual Integrations

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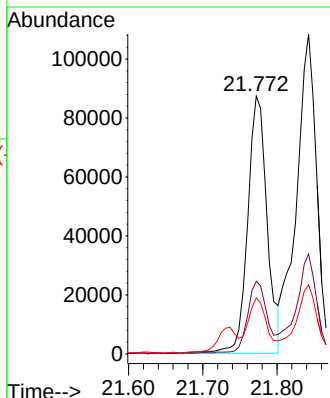
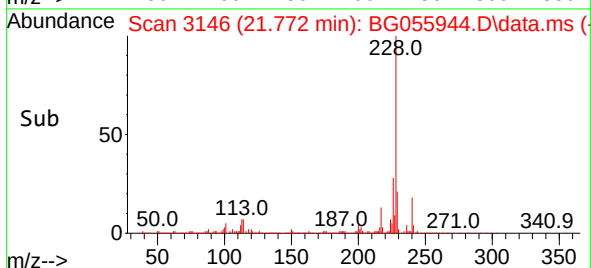
Reviewed By :Christian Giraldo 12/10/2022
 Supervised By :Jagrut Upadhyay 12/12/2022

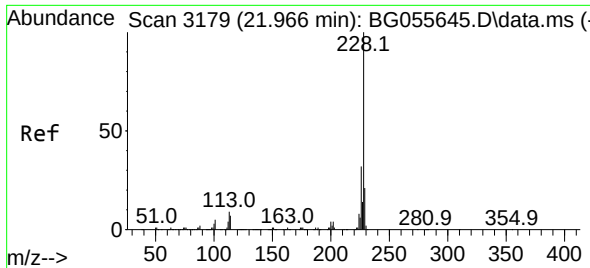


#81
 Benzo(a)anthracene
 Concen: 11.202 ng
 RT: 21.772 min Scan# 3146
 Delta R.T. -0.011 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56



Tgt Ion:228 Resp: 159253
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.7 34.1
 229 21.7 16.5 24.7





#83

Chrysene

Concen: 15.174 ng

RT: 21.843 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG055944.D

Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL

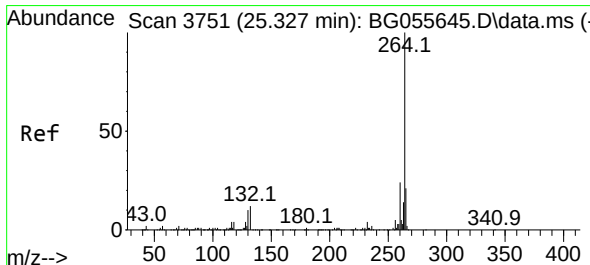
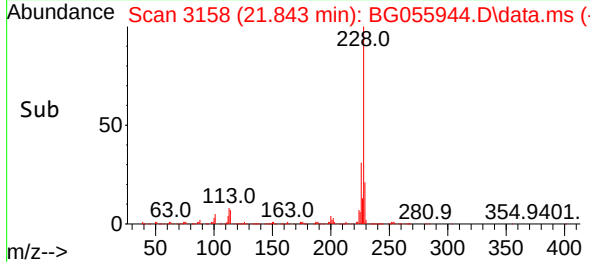
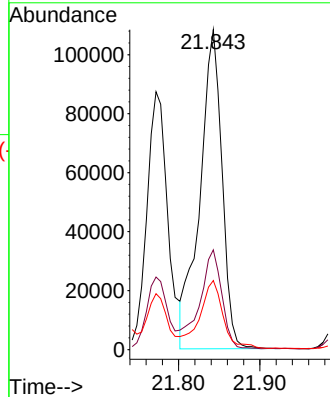
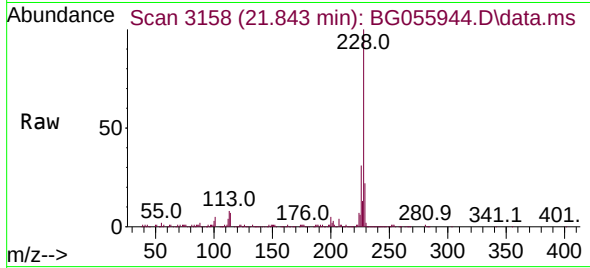
Tgt Ion:228 Resp: 205368

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.2
229	21.6	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022
Supervised By :Jagrut Upadhyay 12/12/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.127 min Scan# 3717

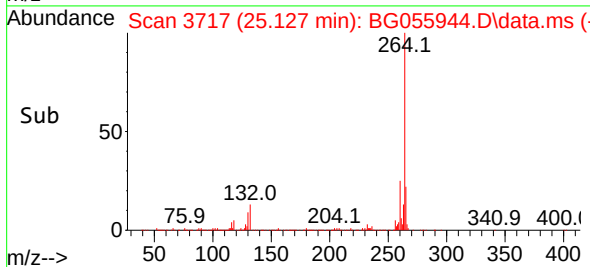
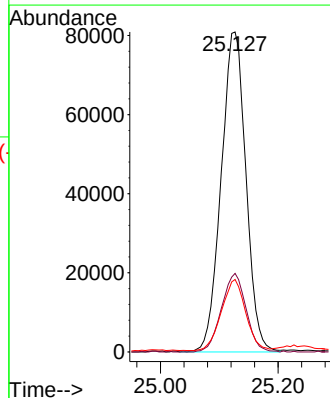
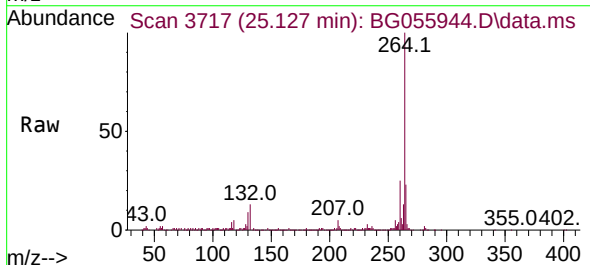
Delta R.T. -0.005 min

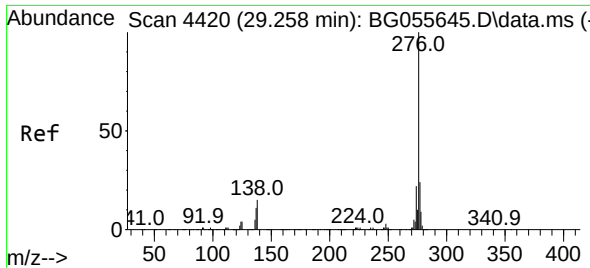
Lab File: BG055944.D

Acq: 9 Dec 2022 14:56

Tgt Ion:264 Resp: 236463

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.6	17.1	25.7





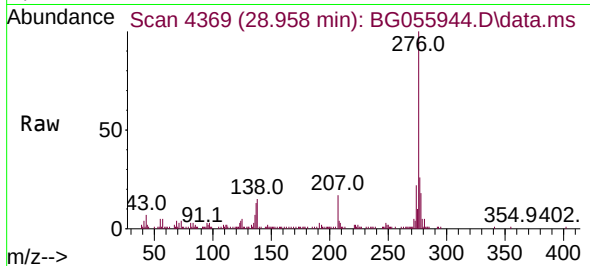
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.118 ng
 RT: 28.958 min Scan# 4369
 Delta R.T. -0.023 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL

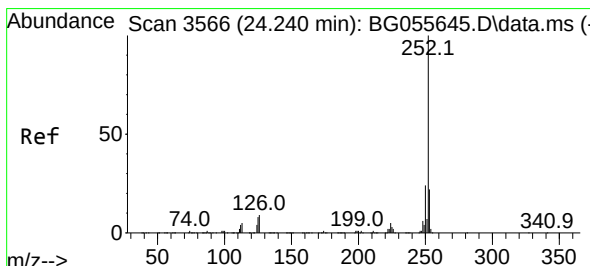
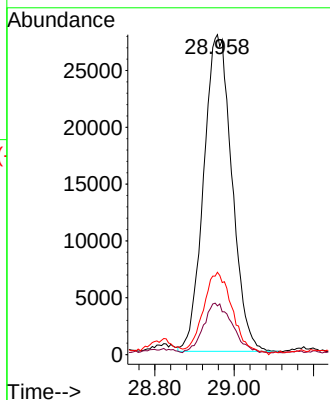
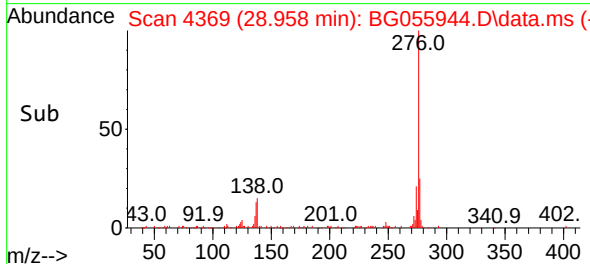


Tgt Ion:276 Resp: 137893
 Ion Ratio Lower Upper
 276 100
 138 16.0 10.4 15.6
 277 27.2 20.2 30.4

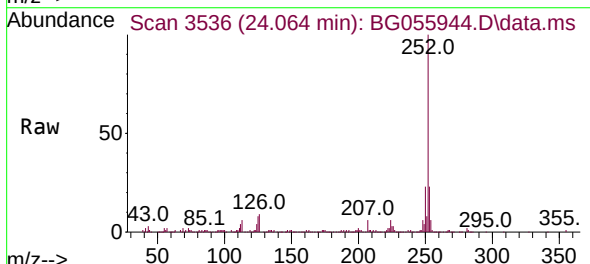
Manual Integrations

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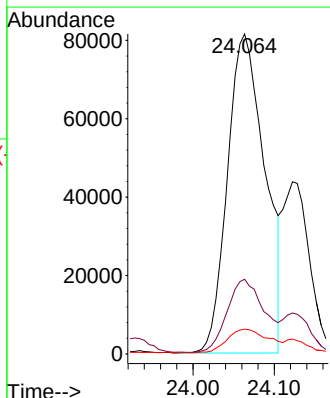
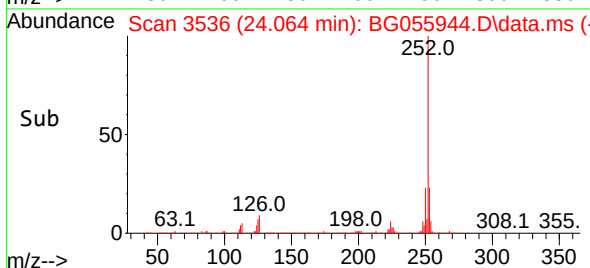
Reviewed By :Christian Giraldo 12/10/2022
 Supervised By :Jagrut Upadhyay 12/12/2022

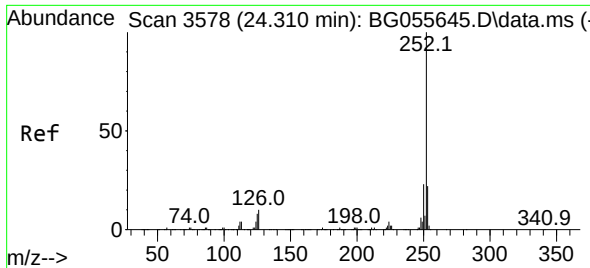


#88
 Benzo(b)fluoranthene
 Concen: 16.956 ng
 RT: 24.064 min Scan# 3536
 Delta R.T. -0.005 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56



Tgt Ion:252 Resp: 261115
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.0 27.0
 125 7.7 6.2 9.2





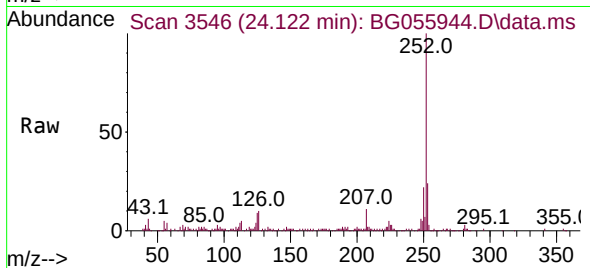
#89
Benzo(k)fluoranthene
Concen: 6.459 ng m
RT: 24.122 min Scan# 3578
Delta R.T. -0.017 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL

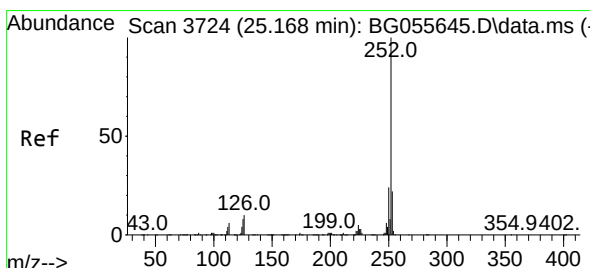
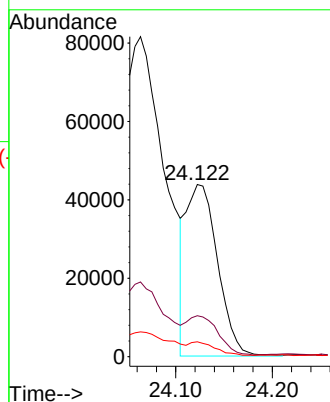
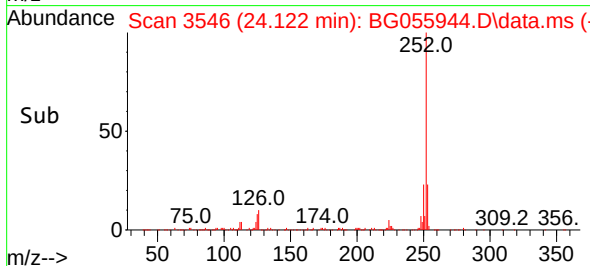


Tgt Ion:252 Resp: 99150
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 8.6 6.1 9.1

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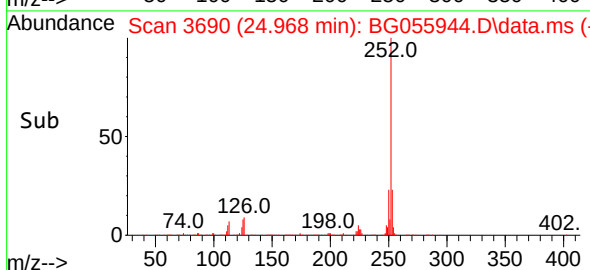
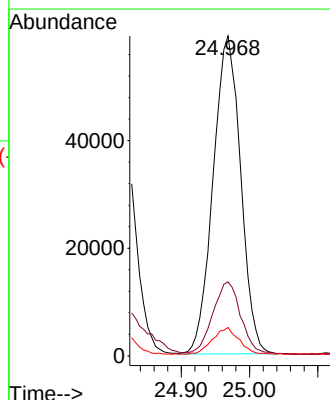
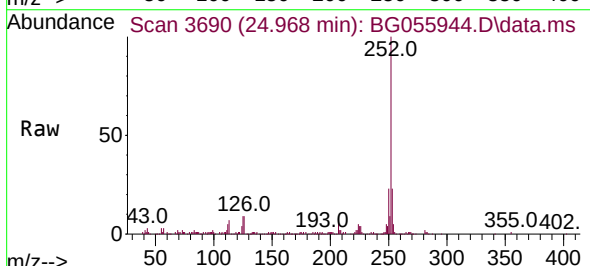
APPROVED

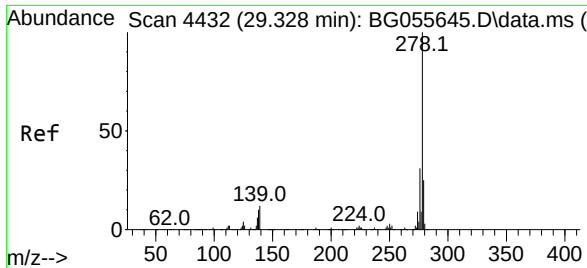
Reviewed By :Christian Giraldo 12/10/2022
Supervised By :Jagrut Upadhyay 12/12/2022



#90
Benzo(a)pyrene
Concen: 12.508 ng
RT: 24.968 min Scan# 3690
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:252 Resp: 165289
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 8.9 6.4 9.6





#91
Dibenzo(a,h)anthracene
Concen: 3.043 ng
RT: 28.999 min Scan# 4376
Delta R.T. -0.029 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

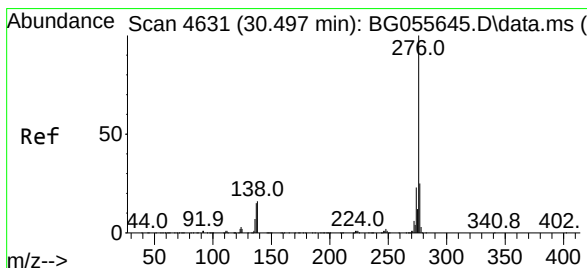
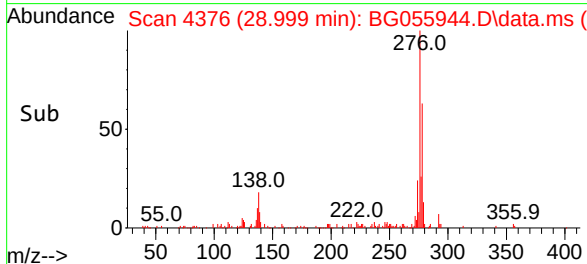
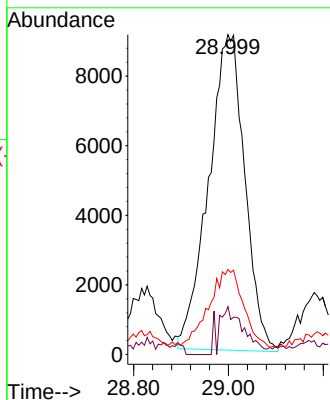
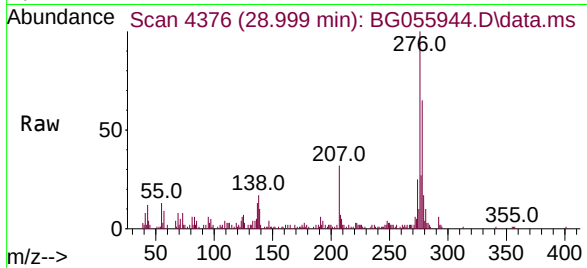
OK-01-120722DL

Tgt Ion:278 Resp: 48174
Ion Ratio Lower Upper
278 100
139 18.6 9.8 14.8
279 26.6 19.8 29.6

Manual Integrations

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Reviewed By :Christian Giraldo 12/10/2022
Supervised By :Jagrut Upadhyay 12/12/2022



#92
Benzo(g,h,i)perylene
Concen: 8.317 ng
RT: 30.162 min Scan# 4574
Delta R.T. -0.023 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:276 Resp: 132695
Ion Ratio Lower Upper
276 100
277 22.3 19.8 29.6
138 14.1 13.1 19.7

