

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054709.D
 Acq On : 23 Aug 2022 16:08
 Operator : CG/JU
 Sample : N4272-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-164717

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/24/2022
 Supervised By : Jagrut Upadhyay 08/24/2022

Quant Time: Aug 24 01:49:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 03:09:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	52917	20.000	ng	0.00
21) Naphthalene-d8	10.985	136	223865	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	146628	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	297762	20.000	ng	0.00
76) Chrysene-d12	21.831	240	260912	20.000	ng	0.00
86) Perylene-d12	25.215	264	279459	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	300304	106.941	ng	0.00
7) Phenol-d6	7.301	99	408482	103.814	ng	0.00
23) Nitrobenzene-d5	9.334	82	249654	63.554	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	158057	134.602	ng	0.00
45) 2-Fluorobiphenyl	13.417	172	518981	52.196	ng	0.00
79) Terphenyl-d14	20.139	244	734422	55.916	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.857	154	29450	3.492	ng	99
58) Fluorene	15.838	166	51705	4.893	ng	99
71) Phenanthrene	17.577	178	206191	12.991	ng	98
72) Anthracene	17.671	178	151272	9.836	ng	99
73) Carbazole	17.936	167	27845	2.035	ng	97
75) Fluoranthene	19.581	202	363131	19.406	ng	99
78) Pyrene	19.945	202	291606	15.845	ng	98
81) Benzo(a)anthracene	21.813	228	145325	8.201	ng	100
83) Chrysene	21.878	228	142274	8.437	ng	98
84) Bis(2-ethylhexyl)phtha...	21.702	149	2455	4.446	ng	# 88
87) Indeno(1,2,3-cd)pyrene	29.076	276	59294	2.843	ng	95
88) Benzo(b)fluoranthene	24.134	252	160980	9.277	ng	99
89) Benzo(k)fluoranthene	24.193	252	59649m	3.331	ng	
90) Benzo(a)pyrene	25.045	252	105881	7.109	ng	99
92) Benzo(g,h,i)perylene	30.292	276	53834	3.214	ng	# 91

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

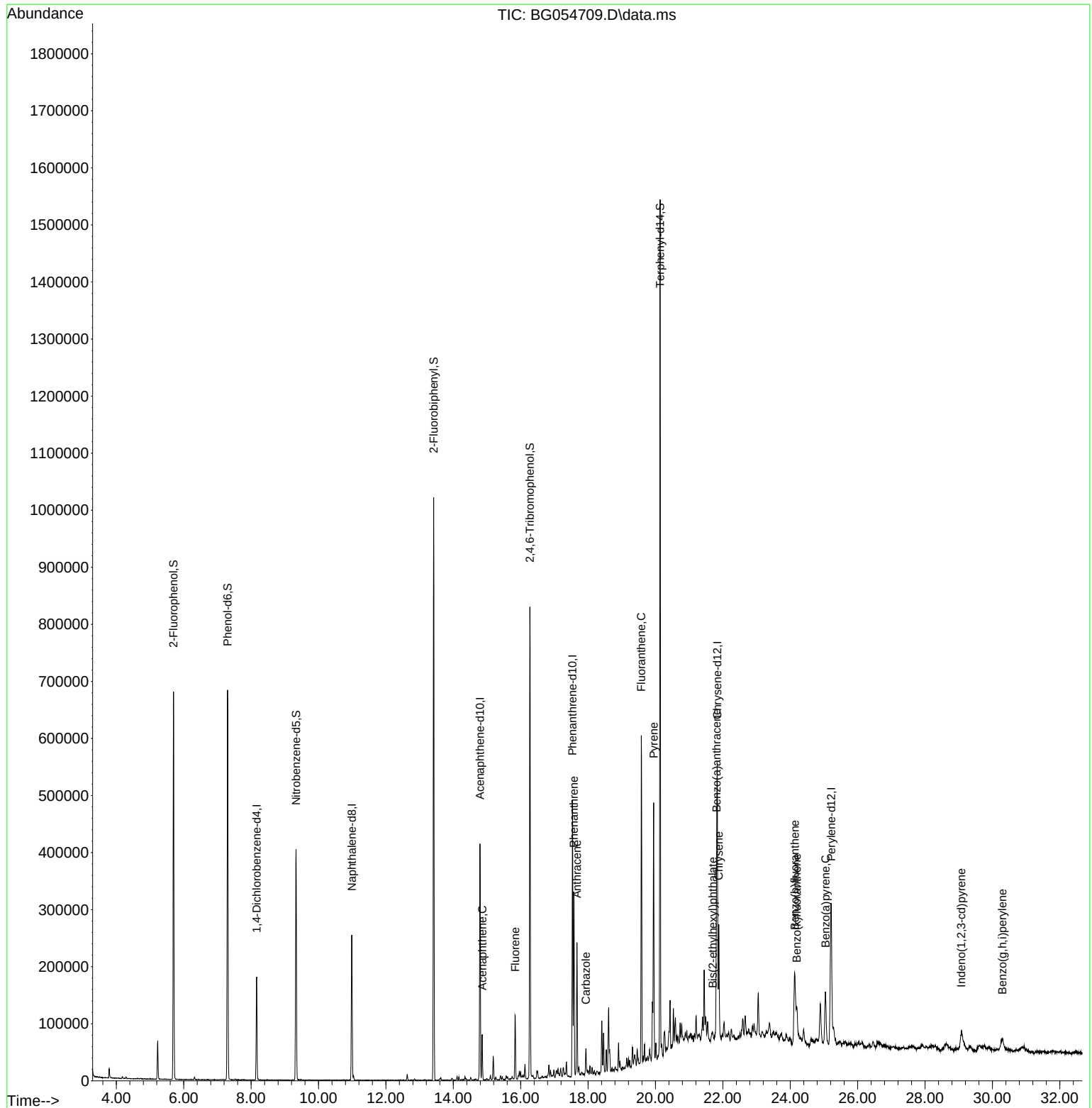
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Data File : BG054709.D
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ALS Vial : 11 Sample Multiplier: 1

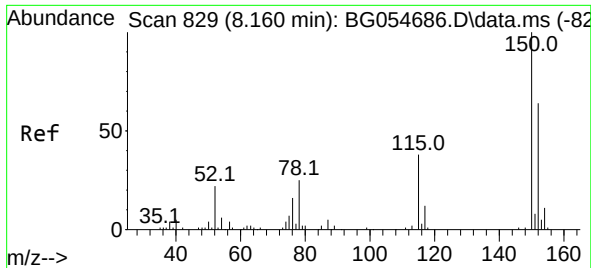
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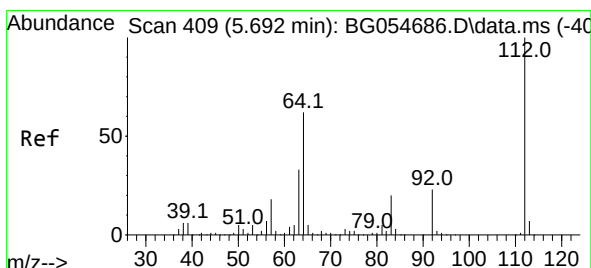
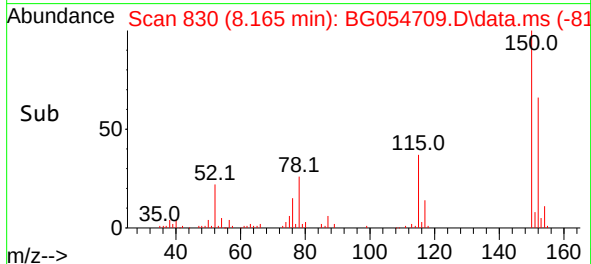
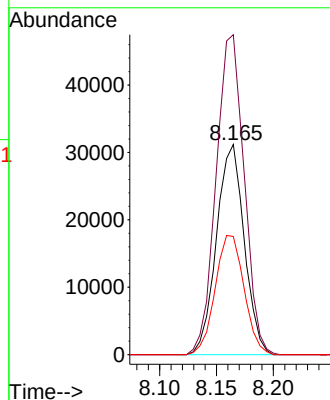
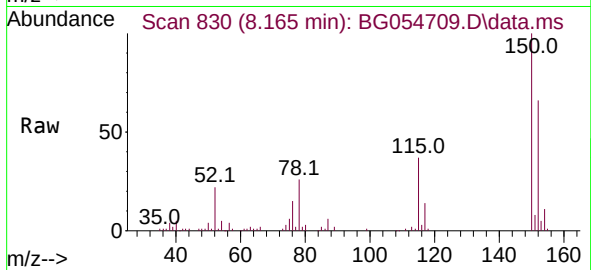
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 81
 Delta R.T. 0.005 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08

Instrument :
 BNA_G
 ClientSampleId :
 PSC-164717

Tgt Ion:152 Resp: 52917
 Ion Ratio Lower Upper
 152 100
 150 152.2 125.2 187.8
 115 56.2 47.9 71.9

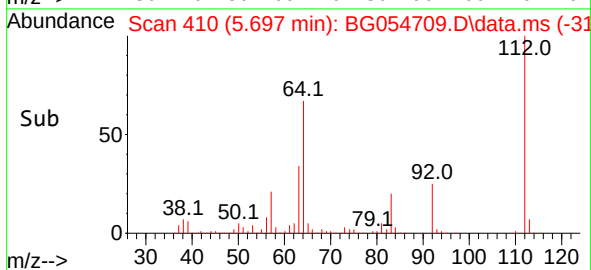
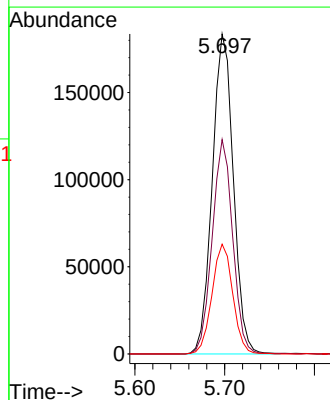
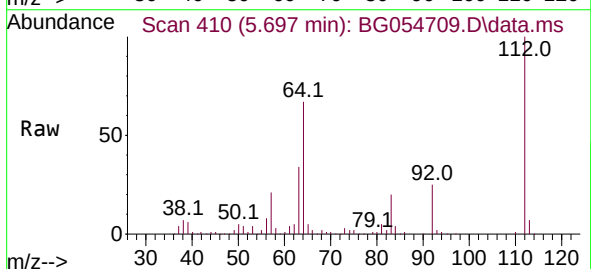
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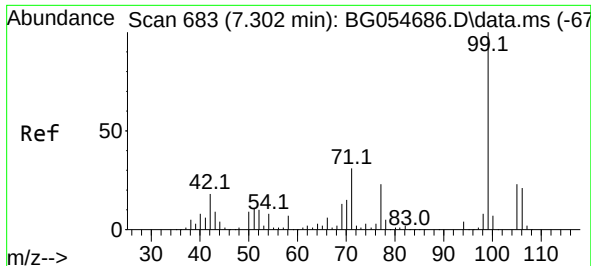
Reviewed By :Christian Giraldo 08/24/2022
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#5
 2-Fluorophenol
 Concen: 106.941 ng
 RT: 5.697 min Scan# 410
 Delta R.T. 0.005 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08

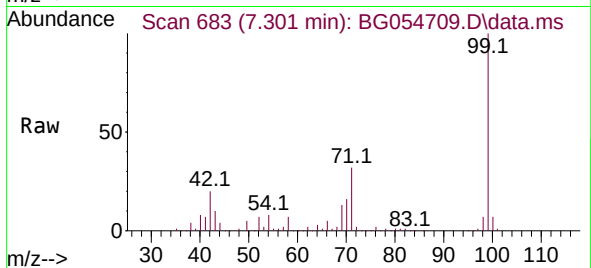
Tgt Ion:112 Resp: 300304
 Ion Ratio Lower Upper
 112 100
 64 67.0 49.3 73.9
 63 34.3 26.3 39.5





#7
Phenol-d6
Concen: 103.814 ng
RT: 7.301 min Scan# 683
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

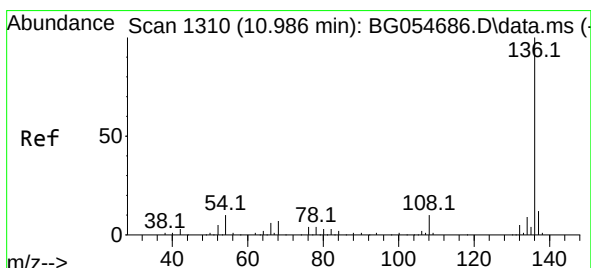
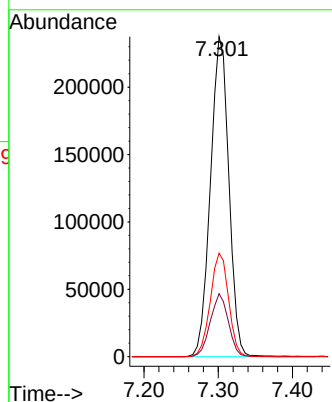
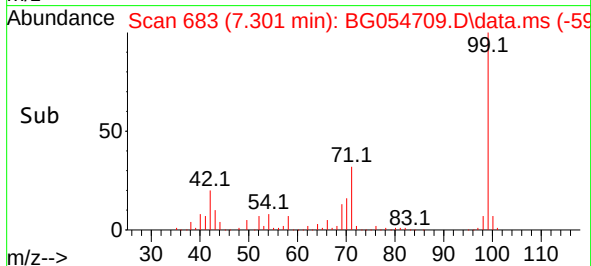
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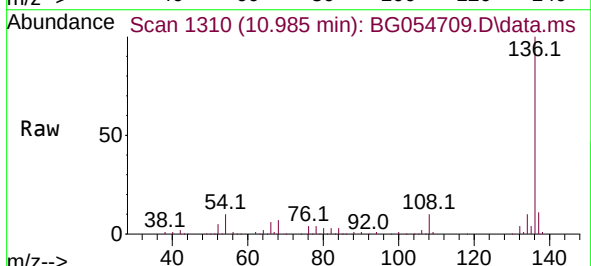
Tgt Ion: 99 Resp: 408482
Ion Ratio Lower Upper
99 100
42 19.7 14.6 22.0
71 32.3 24.6 37.0

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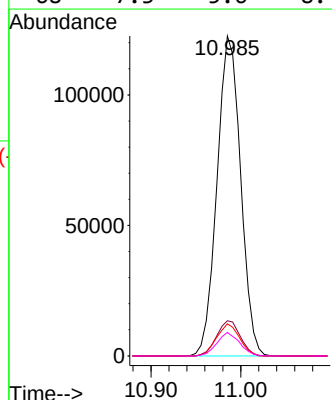
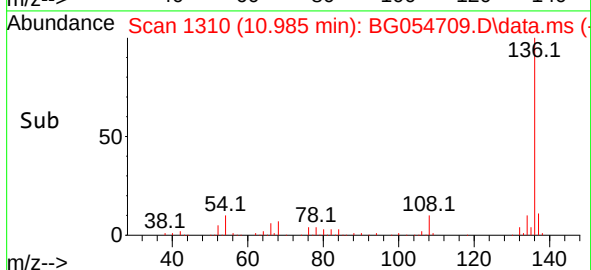
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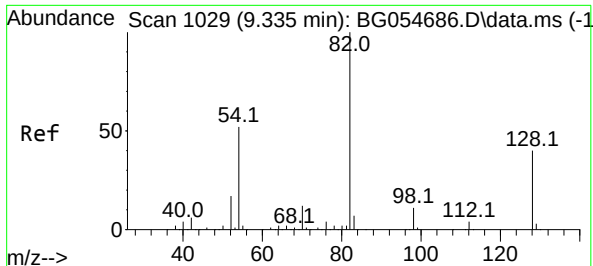


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1310
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08



Tgt Ion:136 Resp: 223865
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 10.0 7.7 11.5
68 7.3 5.6 8.4





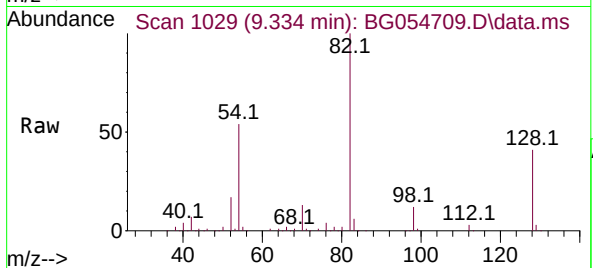
#23
Nitrobenzene-d5
Concen: 63.554 ng
RT: 9.334 min Scan# 1029
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

PSC-164717

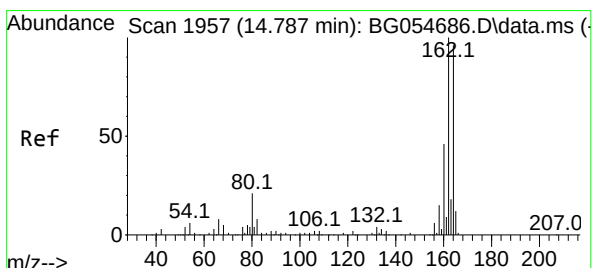
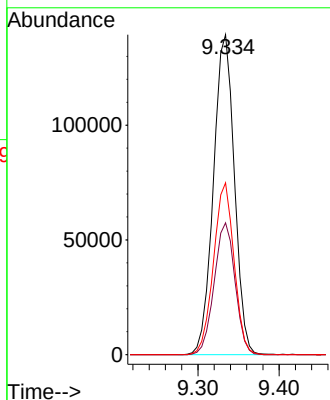
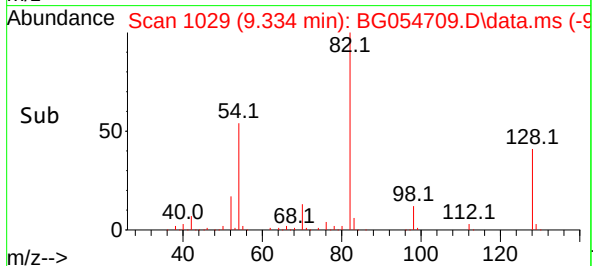


Tgt Ion: 82 Resp: 249654
Ion Ratio Lower Upper
82 100
128 41.2 32.2 48.2
54 53.7 41.4 62.0

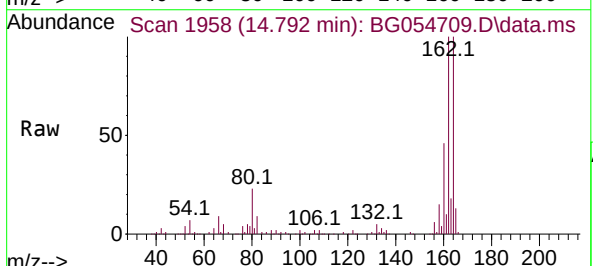
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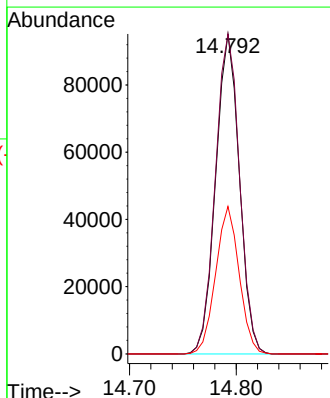
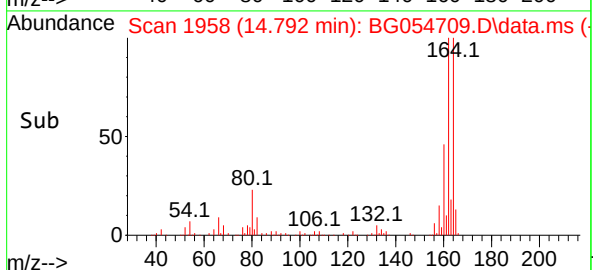
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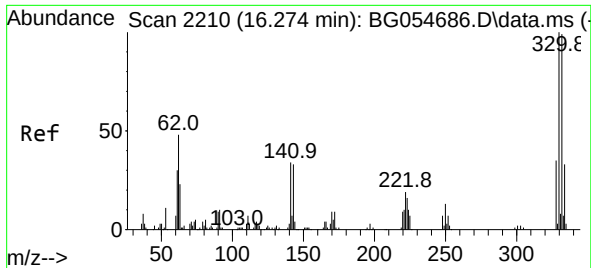


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1958
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08



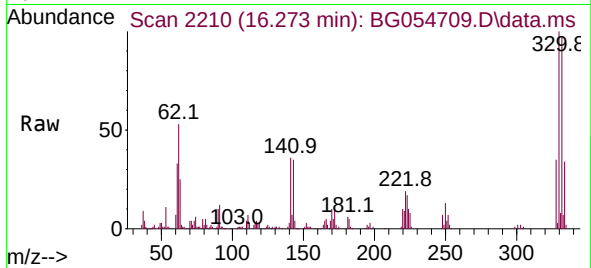
Tgt Ion:164 Resp: 146628
Ion Ratio Lower Upper
164 100
162 100.1 83.0 124.4
160 46.1 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 134.602 ng
RT: 16.273 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

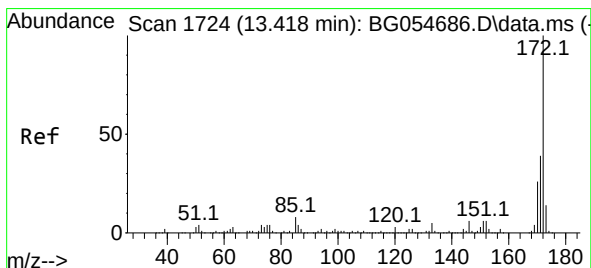
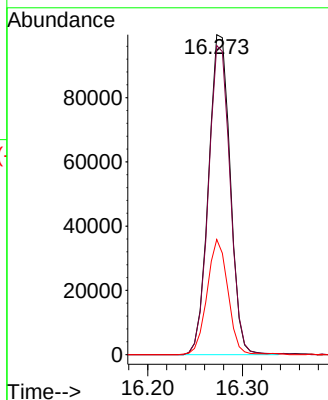
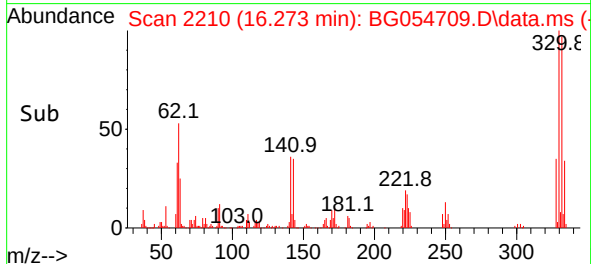
Instrument :
BNA_G
ClientSampleId :
PSC-164717



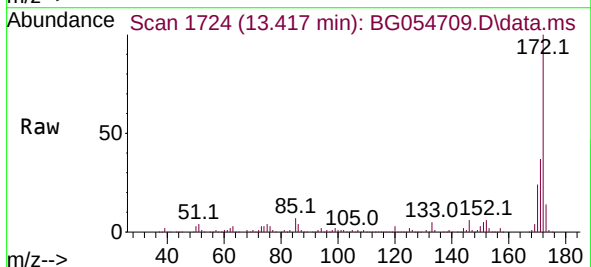
Tgt Ion:330 Resp: 158052
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 34.5 26.8 40.2

Manual Integrations
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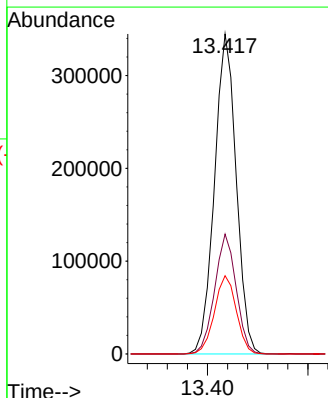
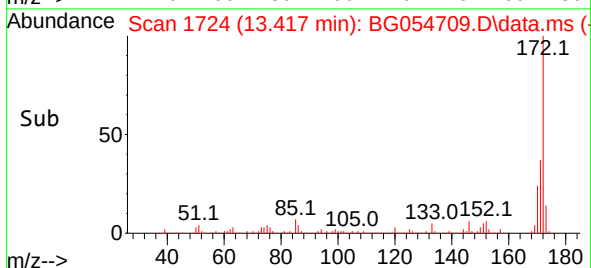
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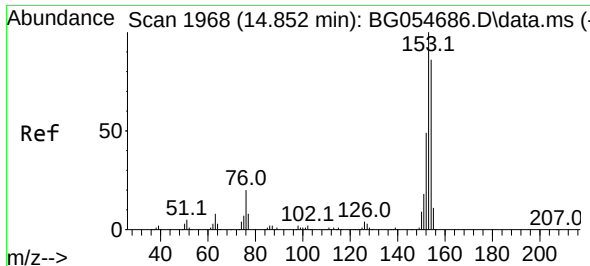


#45
2-Fluorobiphenyl
Concen: 52.196 ng
RT: 13.417 min Scan# 1724
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08



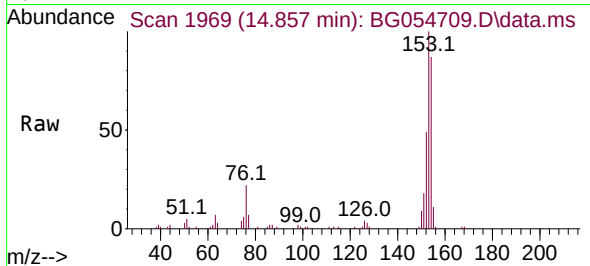
Tgt Ion:172 Resp: 518981
Ion Ratio Lower Upper
172 100
171 37.4 31.2 46.8
170 24.4 20.6 30.8





#52
Acenaphthene
Concen: 3.492 ng
RT: 14.857 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

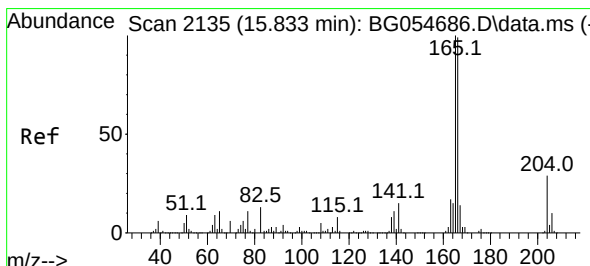
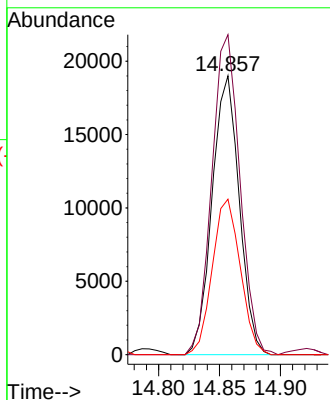
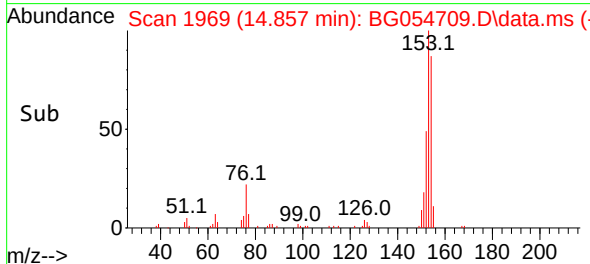
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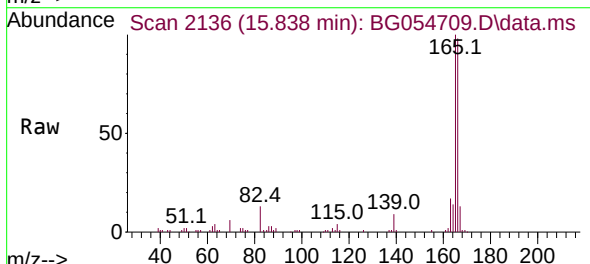
Tgt Ion:154 Resp: 29450
Ion Ratio Lower Upper
154 100
153 114.8 92.8 139.2
152 55.7 45.4 68.2

Manual Integrations
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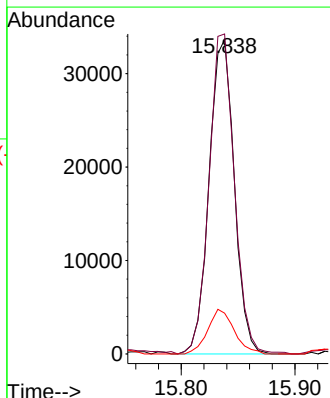
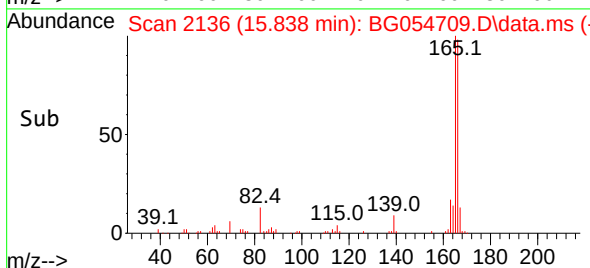
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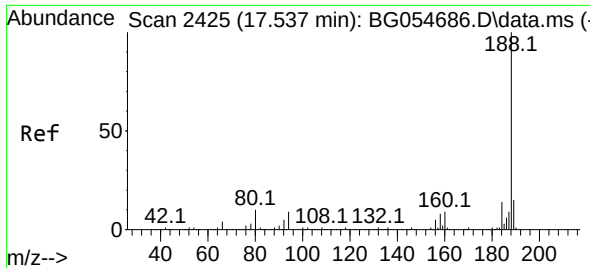


#58
Fluorene
Concen: 4.893 ng
RT: 15.838 min Scan# 2136
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08



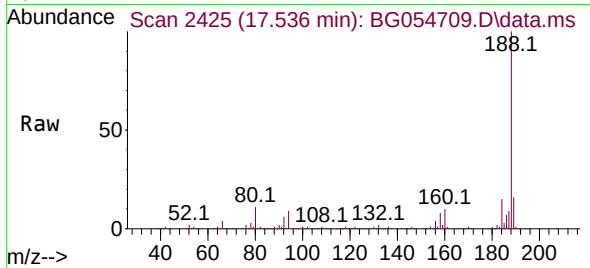
Tgt Ion:166 Resp: 51705
Ion Ratio Lower Upper
166 100
165 101.8 80.8 121.2
167 13.0 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 2425
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

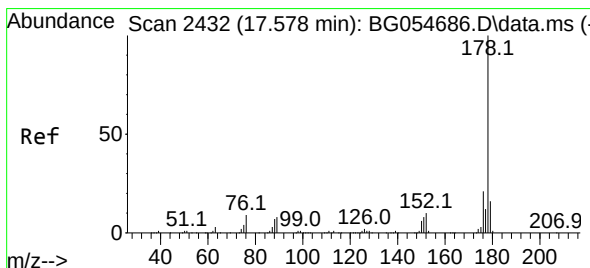
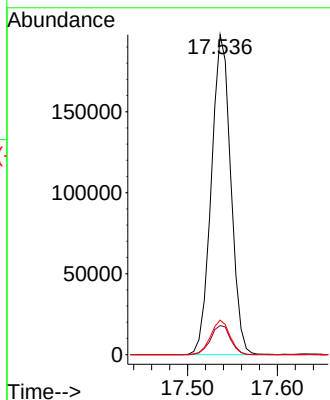
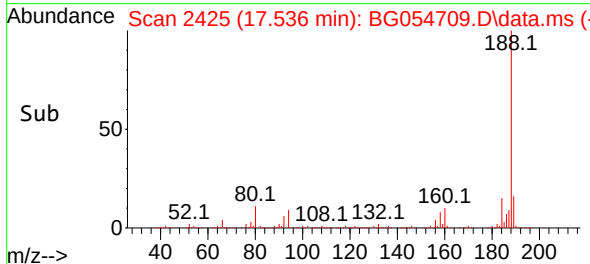
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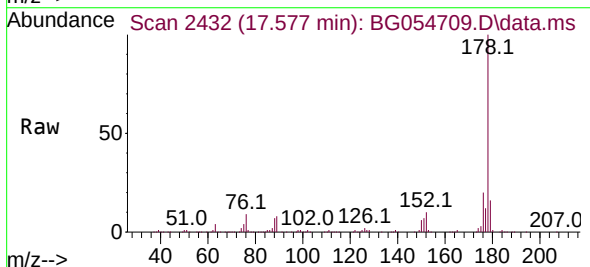
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Ion Ratio Lower Upper
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80 10.8 7.9 11.9

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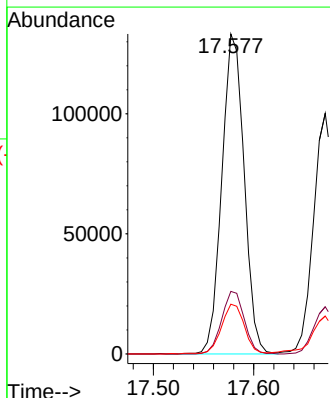
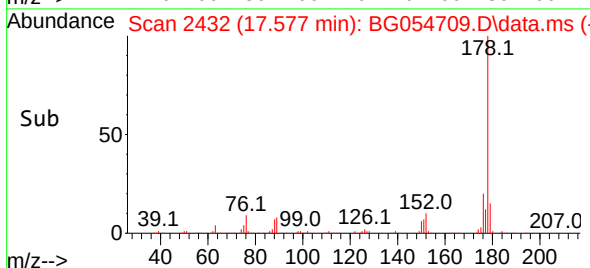
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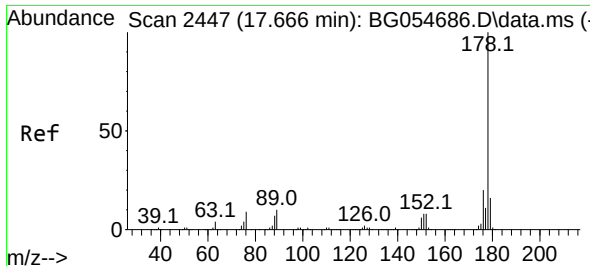


#71
Phenanthrene
Concen: 12.991 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08



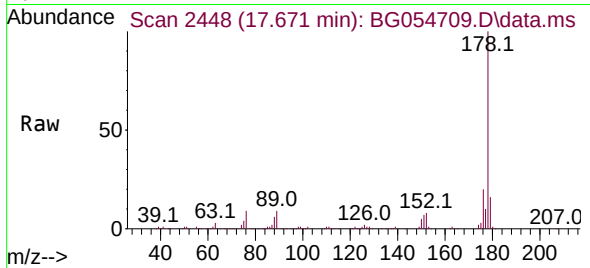
Tgt Ion:178 Resp: 206191
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 15.5 12.8 19.2





#72
 Anthracene
 Concen: 9.836 ng
 RT: 17.671 min Scan# 2448
 Delta R.T. 0.005 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08

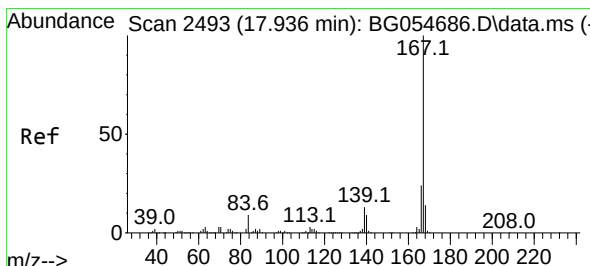
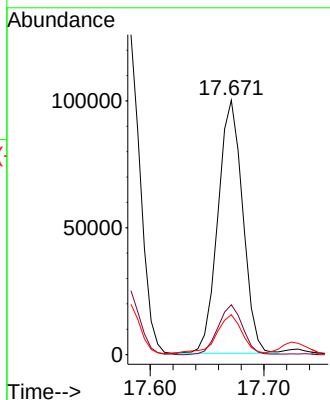
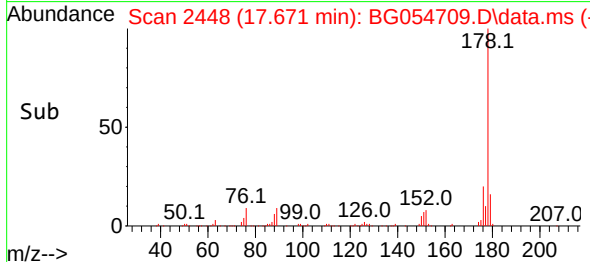
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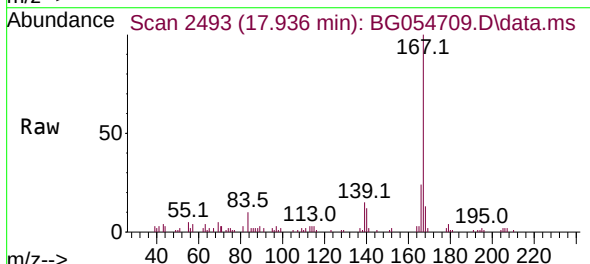
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 Ion Ratio Lower Upper
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 176 19.6 16.2 24.4
 179 15.7 12.9 19.3

Manual Integrations
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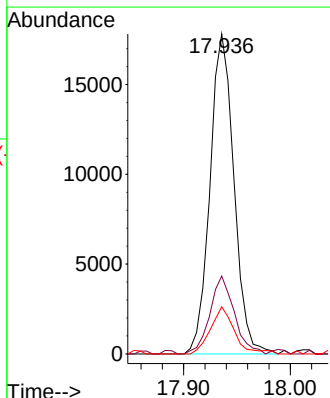
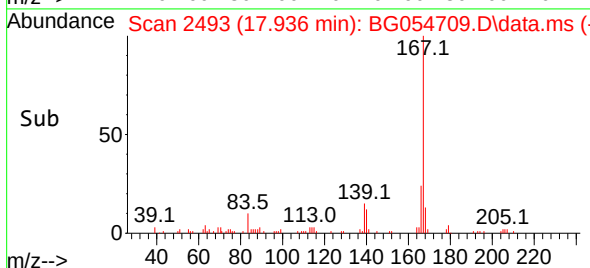
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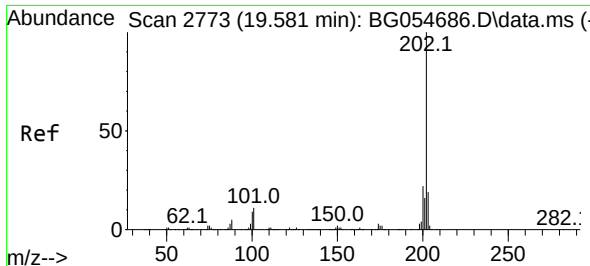


#73
 Carbazole
 Concen: 2.035 ng
 RT: 17.936 min Scan# 2493
 Delta R.T. -0.001 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08



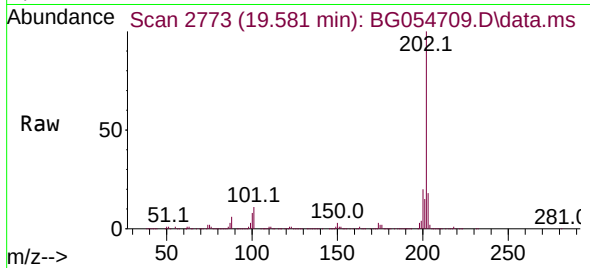
Tgt Ion:167 Resp: 27845
 Ion Ratio Lower Upper
 167 100
 166 24.3 18.8 28.2
 139 14.7 10.2 15.4





#75
Fluoranthene
Concen: 19.406 ng
RT: 19.581 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

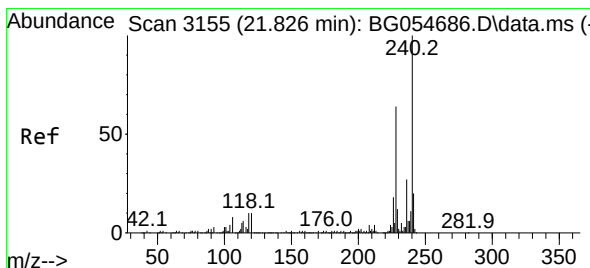
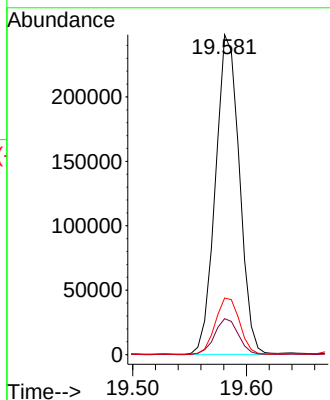
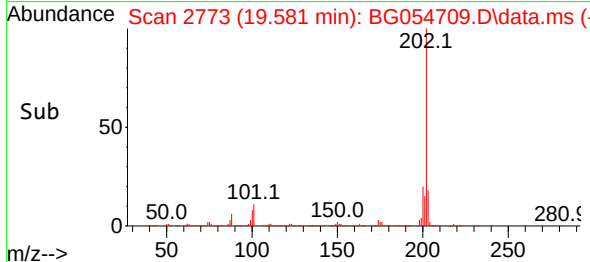
Instrument :
BNA_G
ClientSampleId :
PSC-164717



Tgt Ion:202 Resp: 36313
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 17.7 0.0 38.6

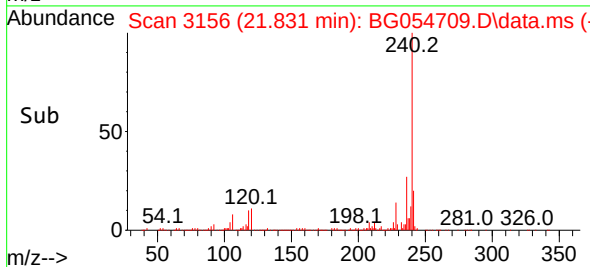
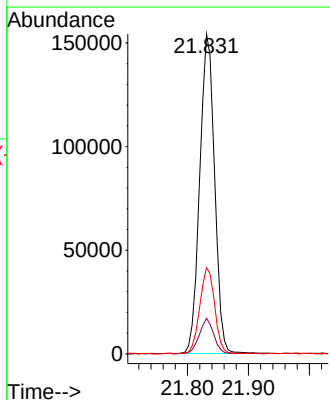
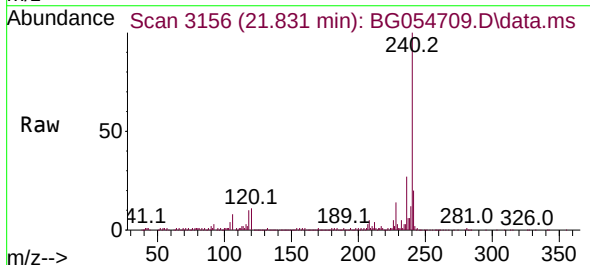
Manual Integrations
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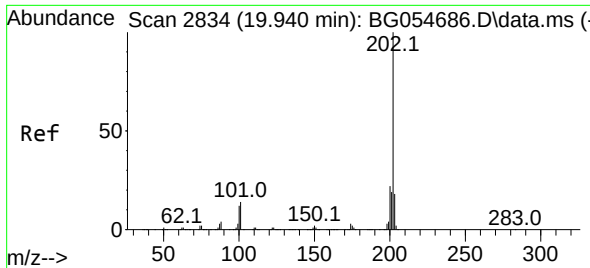
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3156
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

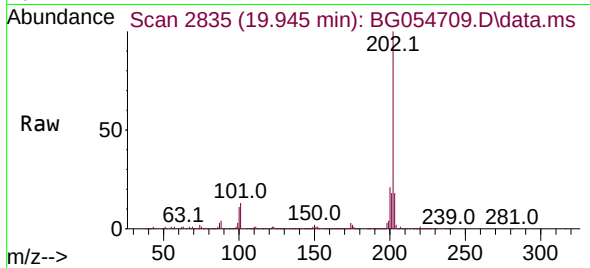
Tgt Ion:240 Resp: 260912
Ion Ratio Lower Upper
240 100
120 11.1 8.2 12.4
236 27.0 21.2 31.8





#78
 Pyrene
 Concen: 15.845 ng
 RT: 19.945 min Scan# 2834
 Delta R.T. 0.005 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08

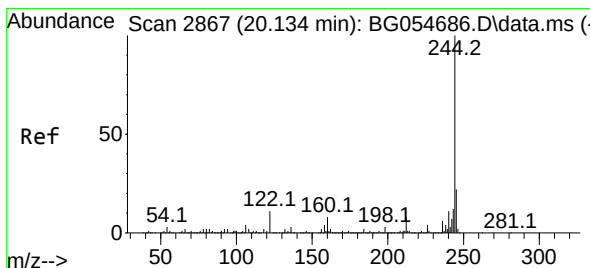
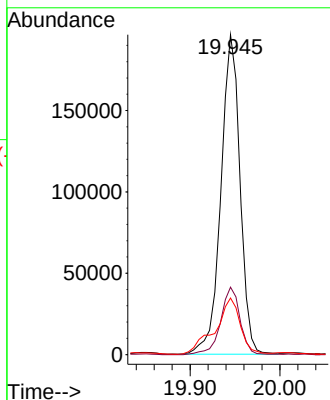
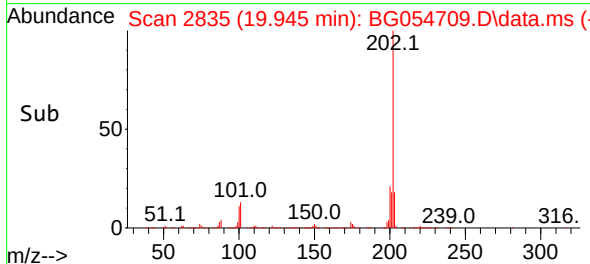
Instrument :
 BNA_G
 ClientSampleId :
 PSC-164717



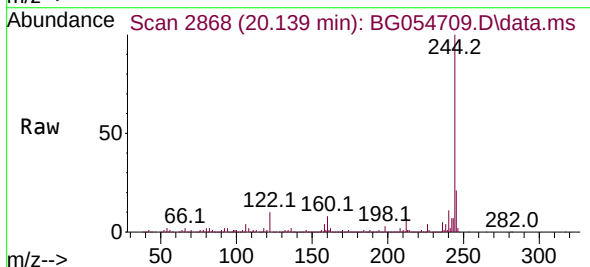
Tgt Ion:202 Resp: 291600
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.8 26.6
 203 17.7 14.6 21.8

Manual Integrations
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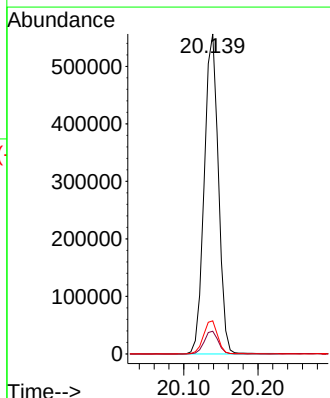
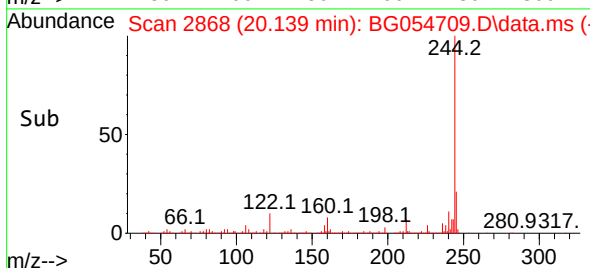
Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

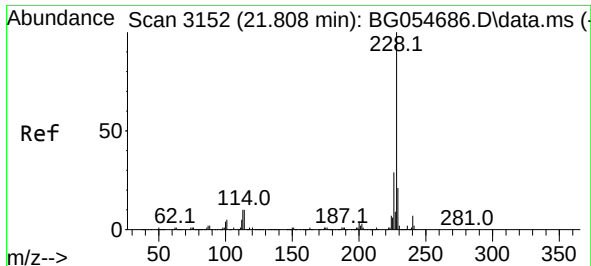


#79
 Terphenyl-d14
 Concen: 55.916 ng
 RT: 20.139 min Scan# 2868
 Delta R.T. 0.005 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08



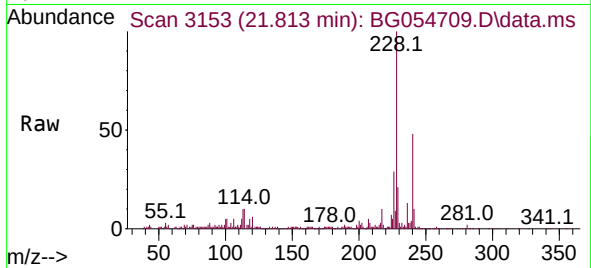
Tgt Ion:244 Resp: 734422
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 10.3 9.0 13.6





#81
Benzo(a)anthracene
Concen: 8.201 ng
RT: 21.813 min Scan# 3152
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

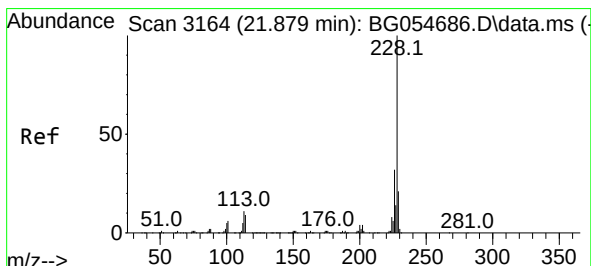
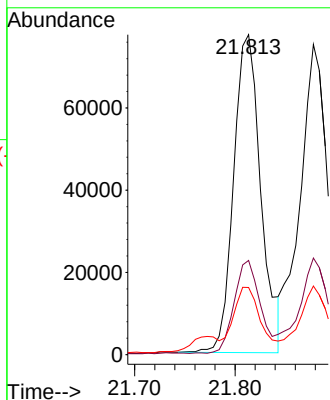
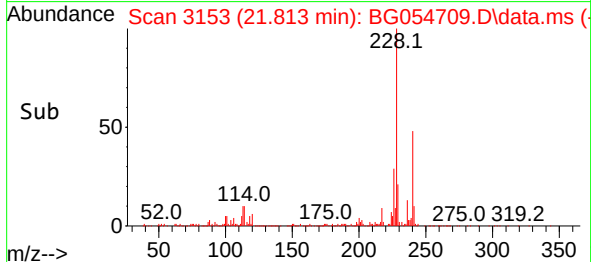
Instrument :
BNA_G
ClientSampleId :
PSC-164717



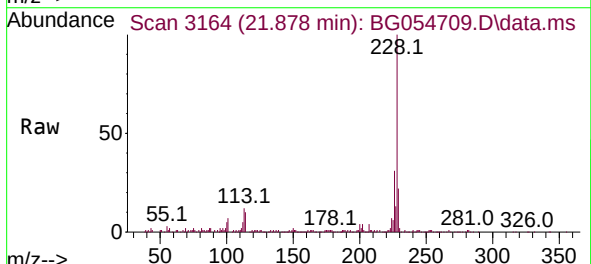
Tgt Ion:228 Resp: 145325
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.2
229 21.0 16.5 24.7

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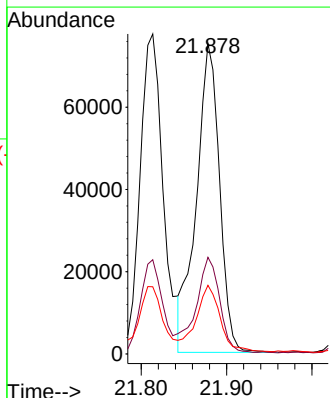
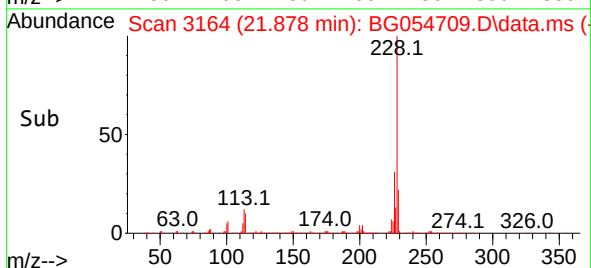
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

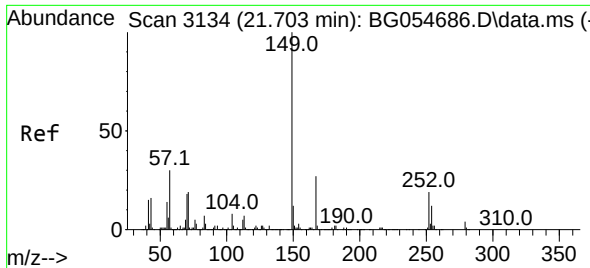


#83
Chrysene
Concen: 8.437 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08



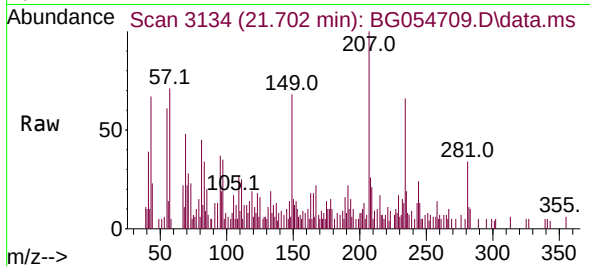
Tgt Ion:228 Resp: 142274
Ion Ratio Lower Upper
228 100
226 31.2 25.5 38.3
229 22.1 16.8 25.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.446 ng
RT: 21.702 min Scan# 3134
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

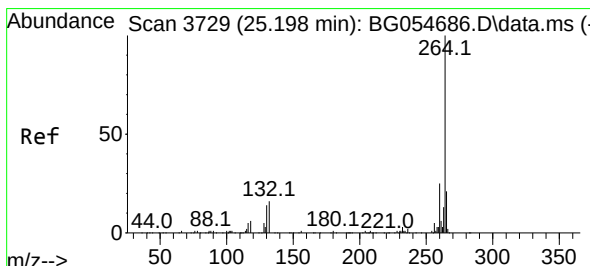
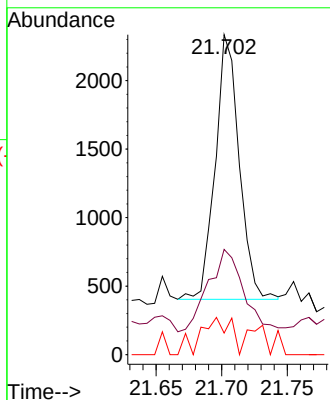
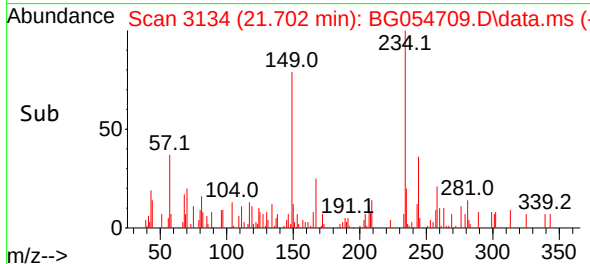
Instrument :
BNA_G
ClientSampleId :
PSC-164717



Tgt Ion:149 Resp: 245
Ion Ratio Lower Upper
149 100
167 32.9 21.4 32.0
279 6.7 3.1 4.7

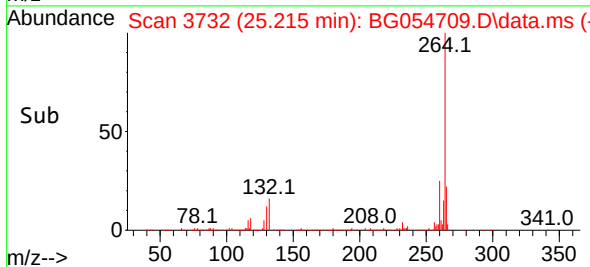
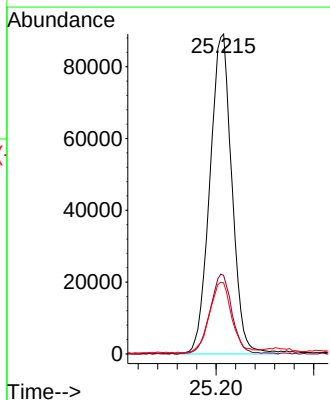
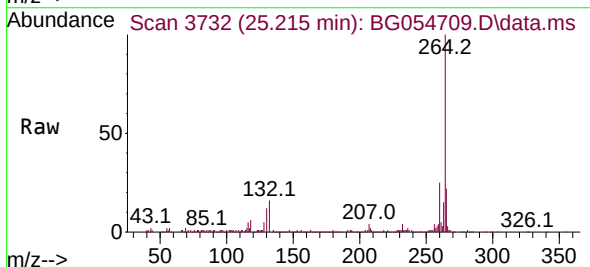
Manual Integrations
APPROVED

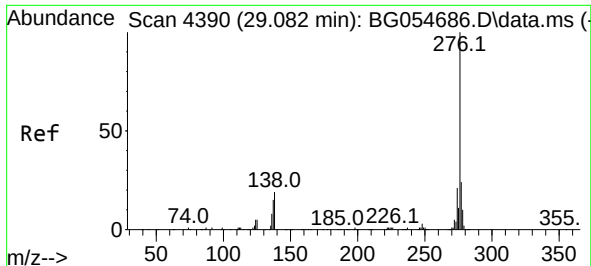
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.215 min Scan# 3732
Delta R.T. 0.017 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

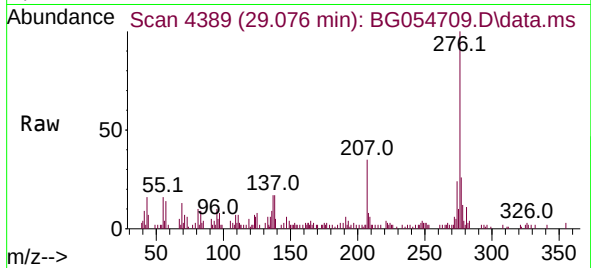
Tgt Ion:264 Resp: 279459
Ion Ratio Lower Upper
264 100
260 24.5 19.9 29.9
265 22.2 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.843 ng
RT: 29.076 min Scan# 4389
Delta R.T. -0.007 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

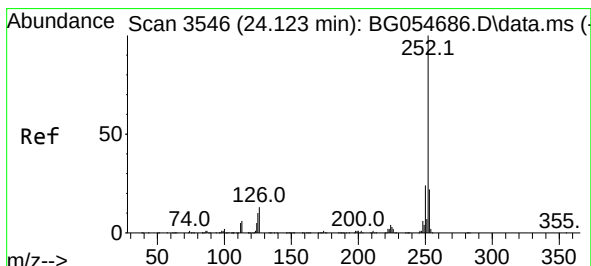
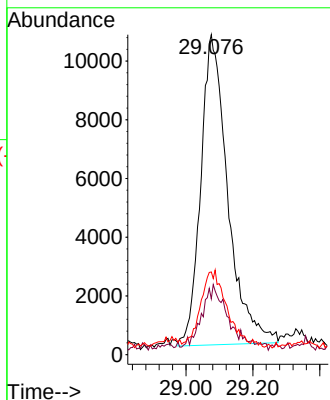
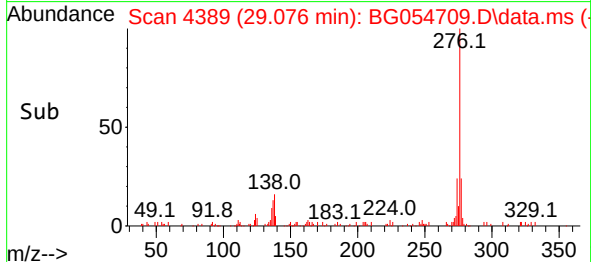
Instrument :
BNA_G
ClientSampleId :
PSC-164717



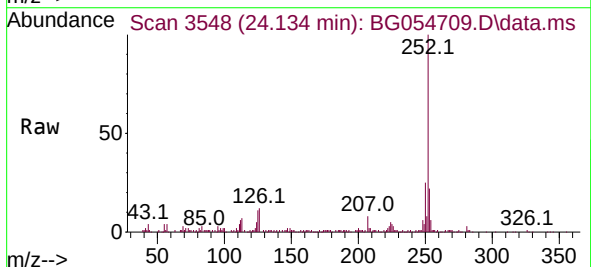
Tgt Ion:276 Resp: 59294
Ion Ratio Lower Upper
276 100
138 17.2 12.0 18.0
277 23.0 20.2 30.4

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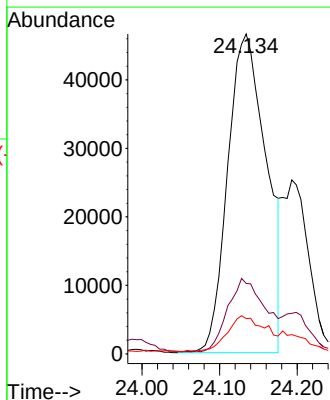
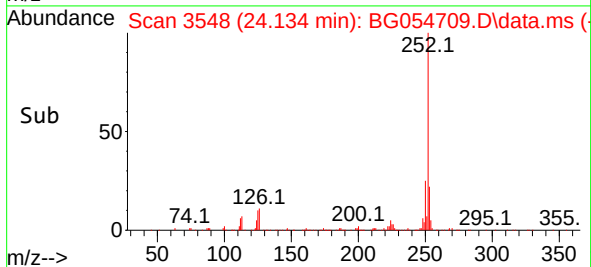
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

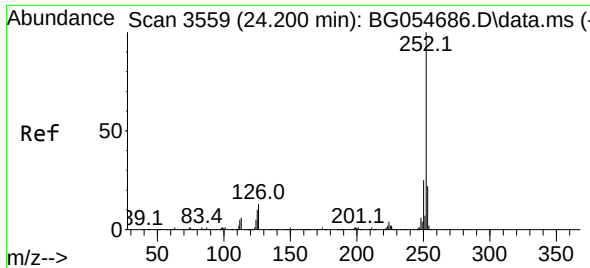


#88
Benzo(b)fluoranthene
Concen: 9.277 ng
RT: 24.134 min Scan# 3548
Delta R.T. 0.011 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08



Tgt Ion:252 Resp: 160980
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 11.0 8.1 12.1





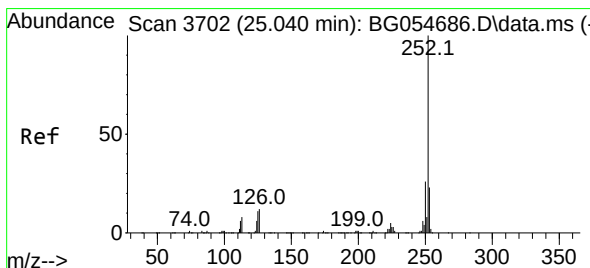
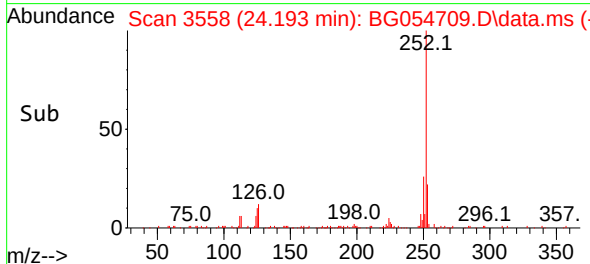
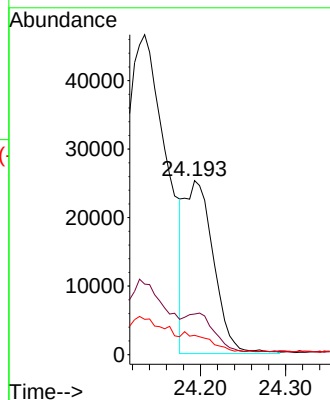
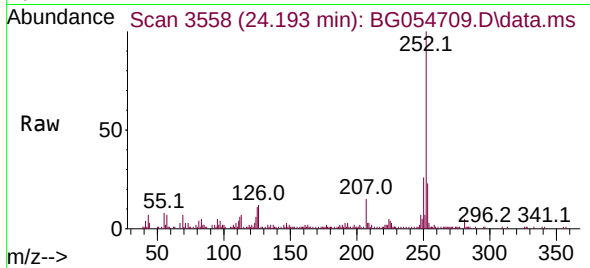
#89
Benzo(k)fluoranthene
Concen: 3.331 ng m
RT: 24.193 min Scan# 3558
Delta R.T. -0.007 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Instrument :
BNA_G
ClientSampleId :
PSC-164717

Tgt Ion:252 Resp: 59649
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.0 8.2 12.4

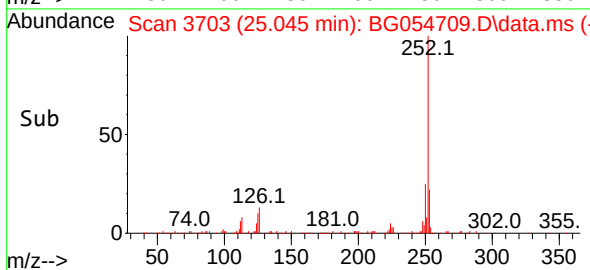
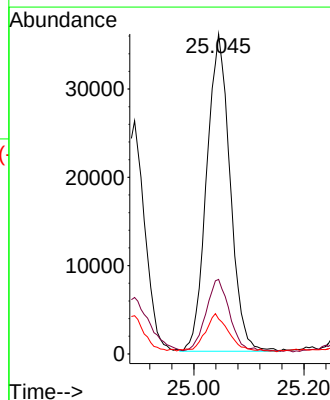
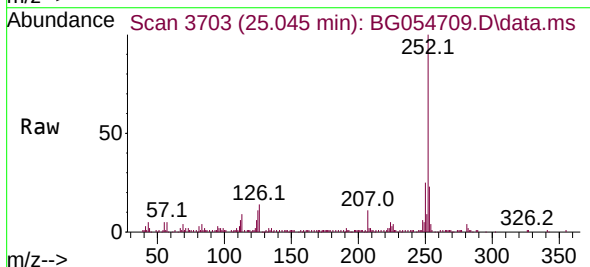
Manual Integrations
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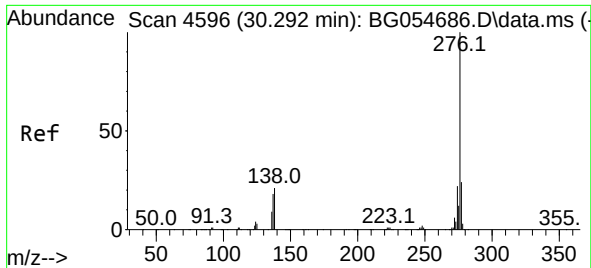
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#90
Benzo(a)pyrene
Concen: 7.109 ng
RT: 25.045 min Scan# 3703
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

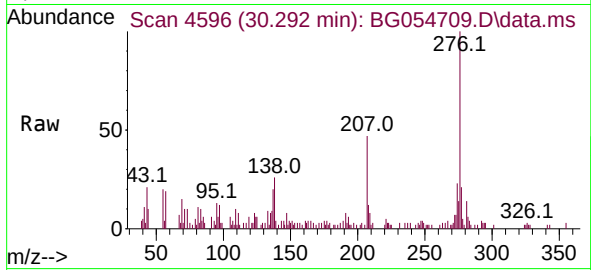
Tgt Ion:252 Resp: 105881
Ion Ratio Lower Upper
252 100
253 23.3 18.3 27.5
125 10.9 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.214 ng
 RT: 30.292 min Scan# 4596
 Delta R.T. -0.001 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08

Instrument :
 BNA_G
 ClientSampleId :
 PSC-164717



Tgt Ion: 276 Resp: 53834

Ion	Ratio	Lower	Upper
276	100		
277	21.1	19.4	29.0
138	26.3	16.6	25.0

Manual Integrations
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Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

