

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053742.D
 Acq On : 27 May 2022 20:53
 Operator : CG/JU
 Sample : N3051-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11944

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/28/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 28 02:00:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	27561	20.000	ng	-0.03
21) Naphthalene-d8	10.766	136	111272	20.000	ng	-0.03
39) Acenaphthene-d10	14.596	164	82066	20.000	ng	-0.03
64) Phenanthrene-d10	17.340	188	171841	20.000	ng	-0.03
76) Chrysene-d12	21.605	240	152845	20.000	ng	-0.03
86) Perylene-d12	24.788	264	158178	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	117309	72.236	ng	-0.02
7) Phenol-d6	7.159	99	179053	72.649	ng	0.00
23) Nitrobenzene-d5	9.116	82	125189	47.893	ng	-0.04
42) 2,4,6-Tribromophenol	16.094	330	82293	67.989	ng	-0.02
45) 2-Fluorobiphenyl	13.216	172	283300	50.445	ng	-0.03
79) Terphenyl-d14	19.954	244	403414	49.157	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.813	128	16488	2.913	ng	100
52) Acenaphthene	14.661	154	11390	2.733	ng	97
58) Fluorene	15.642	166	17138	2.853	ng	# 99
71) Phenanthrene	17.387	178	170366	19.498	ng	96
72) Anthracene	17.475	178	35358	4.117	ng	94
73) Carbazole	17.751	167	26768	3.180	ng	97
75) Fluoranthene	19.402	202	474214	41.915	ng	99
78) Pyrene	19.760	202	353047	35.681	ng	98
80) Butylbenzylphthalate	20.635	149	9516	2.623	ng	88
81) Benzo(a)anthracene	21.587	228	126273	12.953	ng	99
83) Chrysene	21.652	228	192089	21.097	ng	98
84) Bis(2-ethylhexyl)phtha...	21.481	149	92515	18.474	ng	97
87) Indeno(1,2,3-cd)pyrene	28.431	276	73898	6.708	ng	# 95
88) Benzo(b)fluoranthene	23.784	252	229494	24.511	ng	97
89) Benzo(k)fluoranthene	23.837	252	54498m	5.923	ng	
90) Benzo(a)pyrene	24.636	252	95418	11.973	ng	# 98
92) Benzo(g,h,i)perylene	29.564	276	74910	8.325	ng	97

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

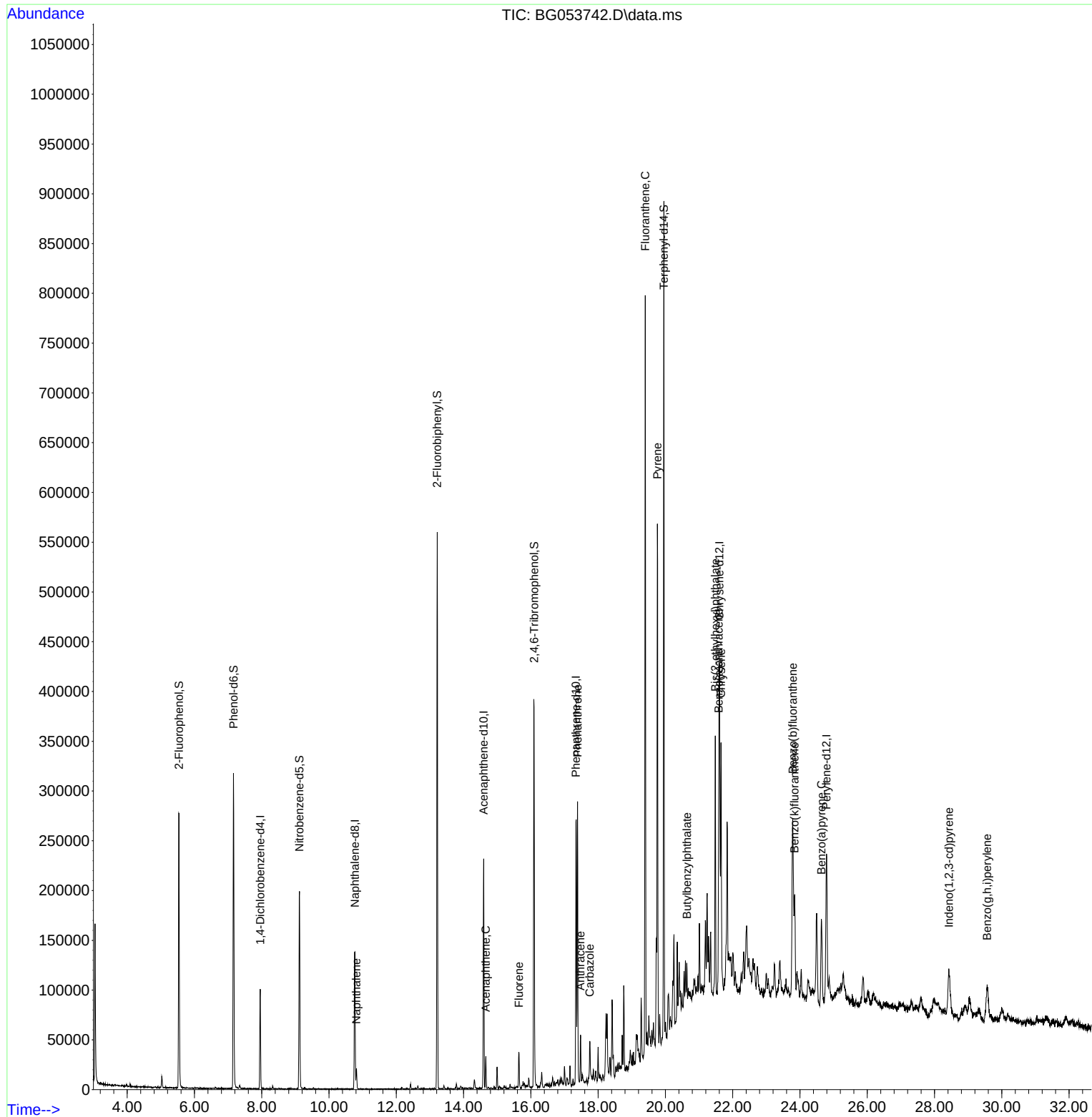
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
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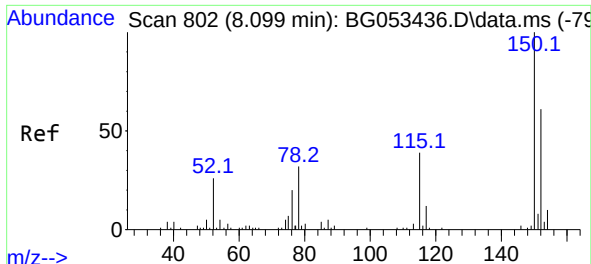
Instrument :
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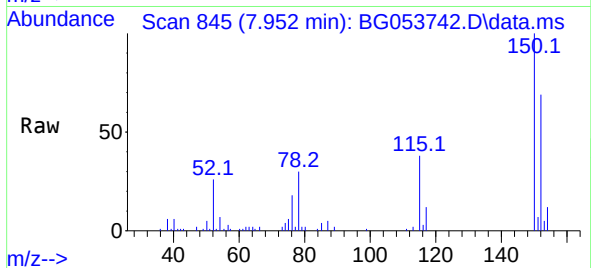
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 845
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

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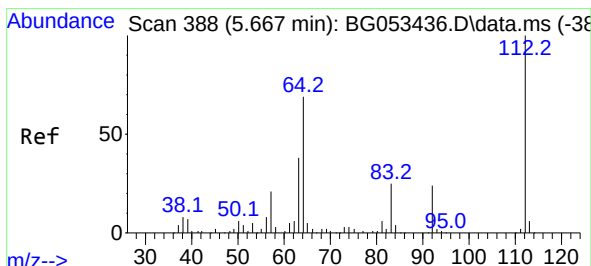
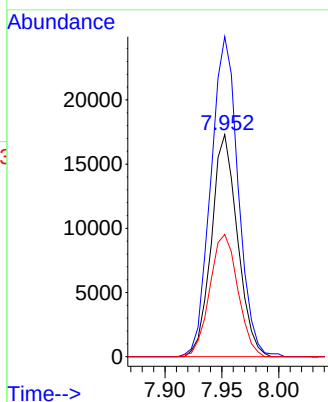
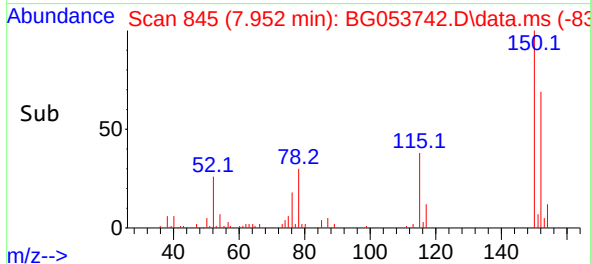


Tgt Ion:152 Resp: 2756
Ion Ratio Lower Upper
152 100
150 144.1 131.6 197.4
115 55.1 50.9 76.3

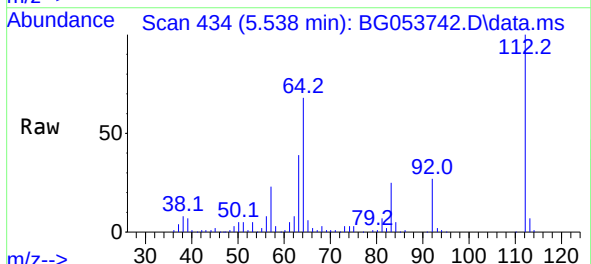
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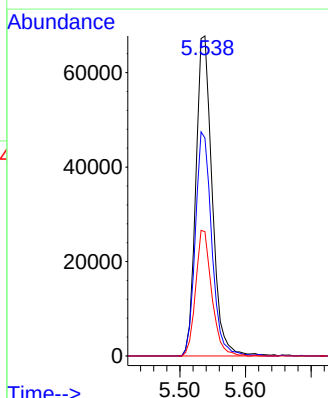
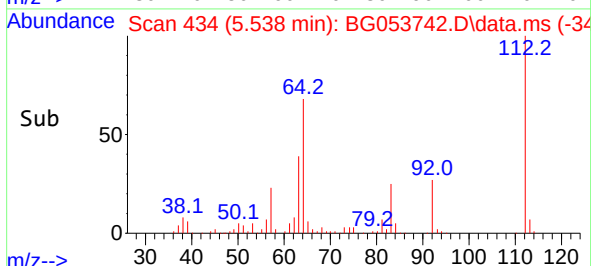
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

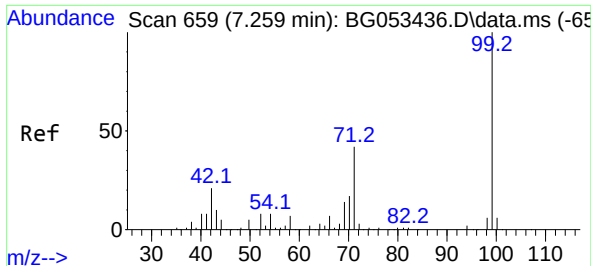


#5
2-Fluorophenol
Concen: 72.236 ng
RT: 5.538 min Scan# 434
Delta R.T. -0.016 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53



Tgt Ion:112 Resp: 117309
Ion Ratio Lower Upper
112 100
64 68.1 55.1 82.7
63 38.9 30.4 45.6





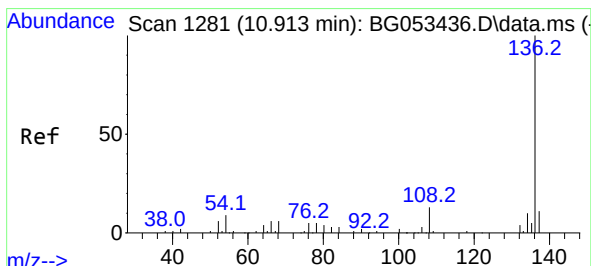
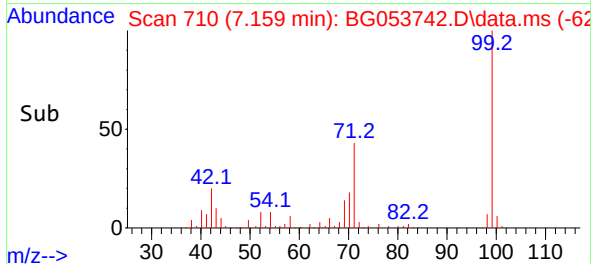
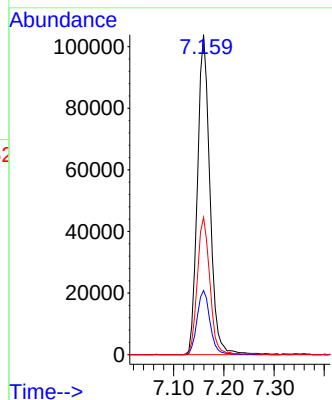
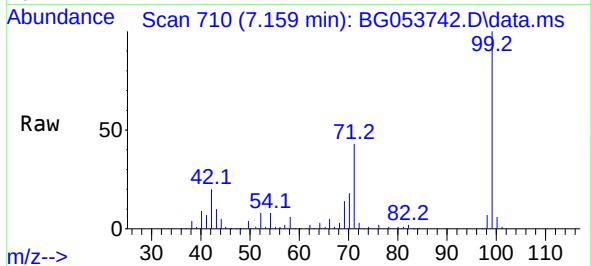
#7
Phenol-d6
Concen: 72.649 ng
RT: 7.159 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 17905
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.6
71 42.9 33.8 50.8

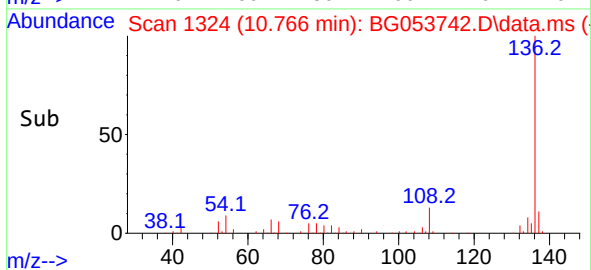
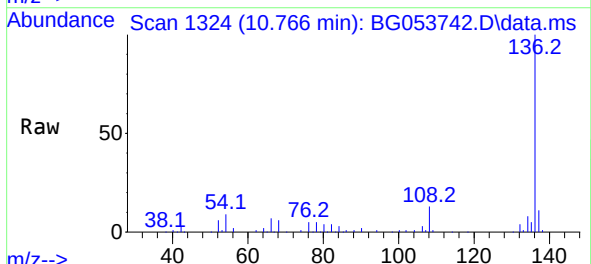
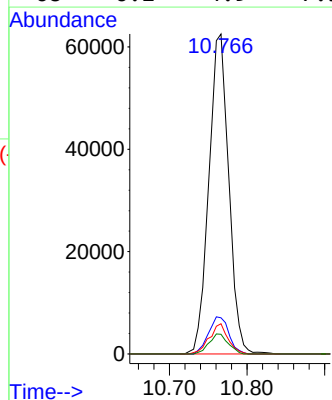
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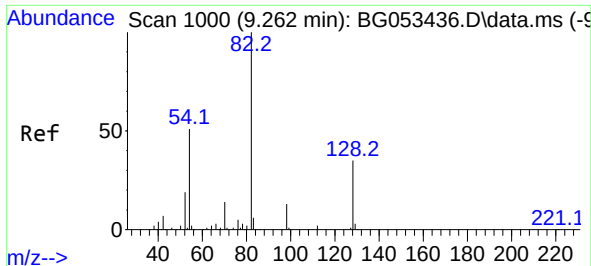
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.766 min Scan# 1324
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

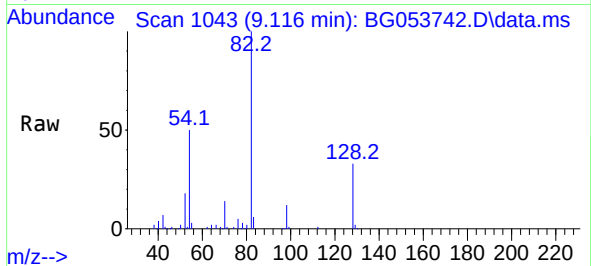
Tgt Ion:136 Resp: 111272
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 9.5 7.4 11.2
68 6.2 4.9 7.3





#23
Nitrobenzene-d5
Concen: 47.893 ng
RT: 9.116 min Scan# 1043
Delta R.T. -0.040 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

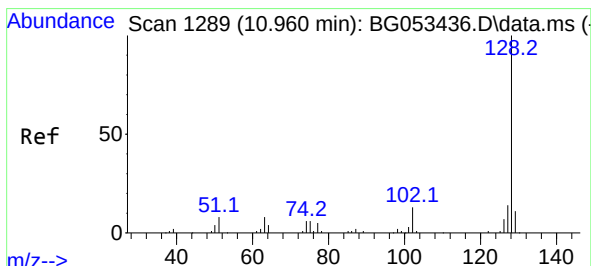
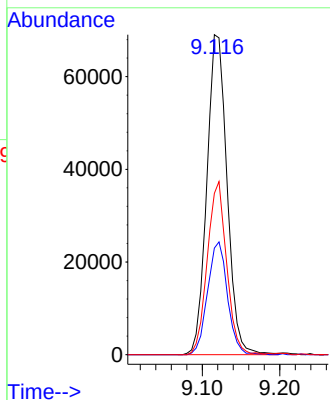
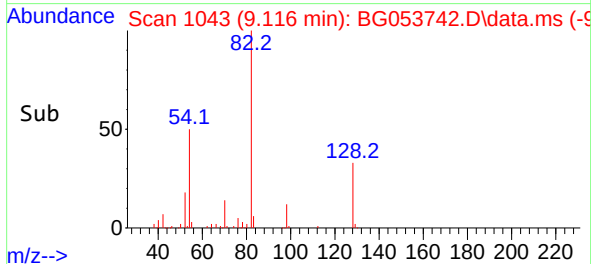
Instrument :
BNA_G
ClientSampleId :
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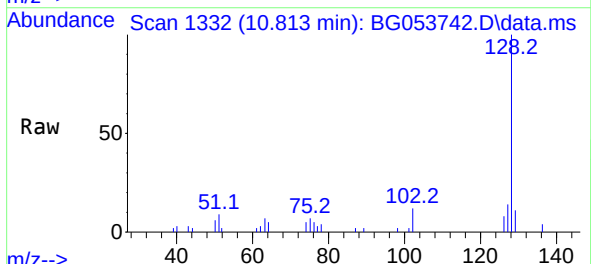
Tgt Ion: 82 Resp: 125189
Ion Ratio Lower Upper
82 100
128 33.3 27.9 41.9
54 50.4 41.2 61.8

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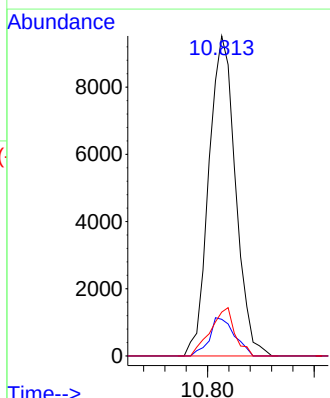
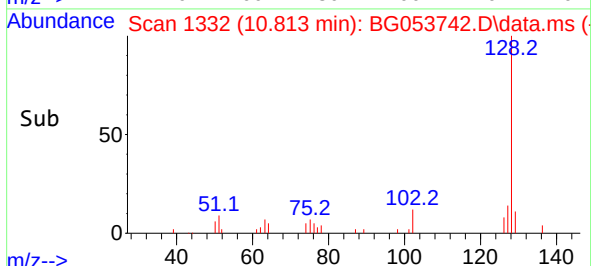
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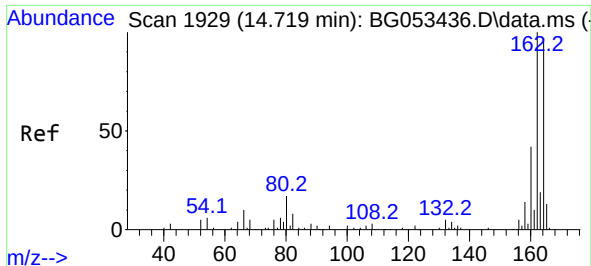


#31
Naphthalene
Concen: 2.913 ng
RT: 10.813 min Scan# 1332
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53



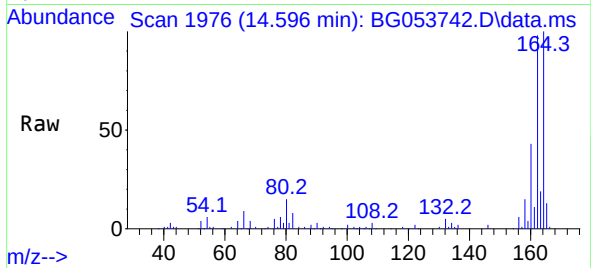
Tgt Ion:128 Resp: 16488
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.7 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.596 min Scan# 11
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

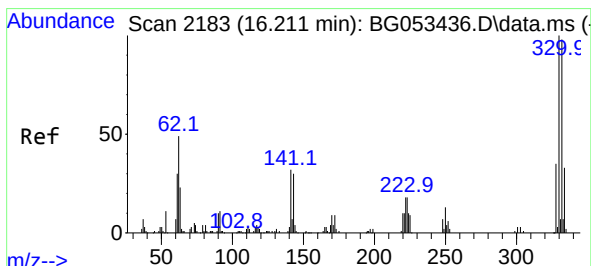
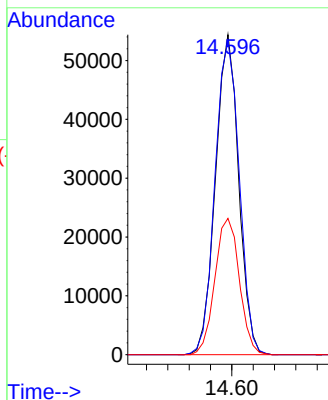
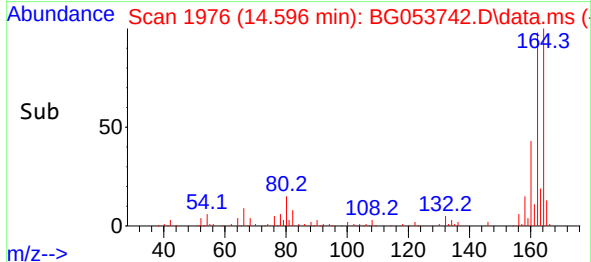
Instrument :
BNA_G
ClientSampleId :
72-11944



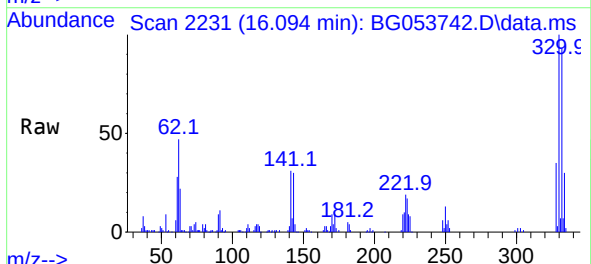
Tgt Ion:164 Resp: 82060
Ion Ratio Lower Upper
164 100
162 98.1 82.3 123.5
160 42.6 34.2 51.2

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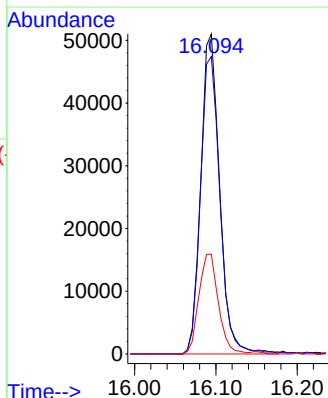
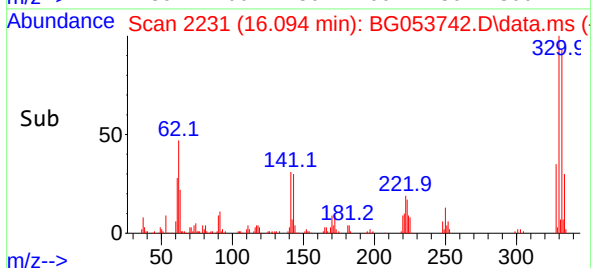
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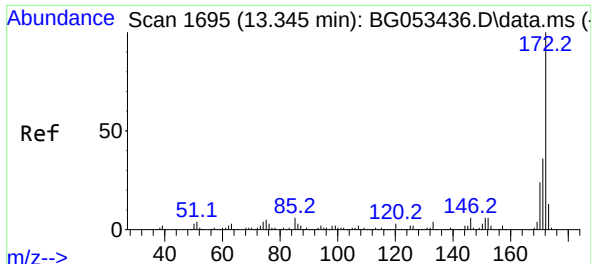


#42
2,4,6-Tribromophenol
Concen: 67.989 ng
RT: 16.094 min Scan# 2231
Delta R.T. -0.022 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53



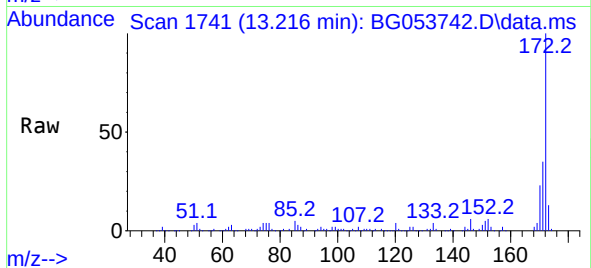
Tgt Ion:330 Resp: 82293
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 32.4 27.1 40.7





#45
2-Fluorobiphenyl
Concen: 50.445 ng
RT: 13.216 min Scan# 11
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

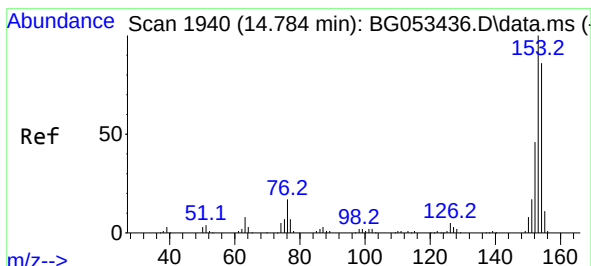
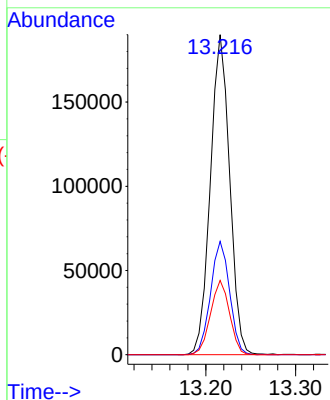
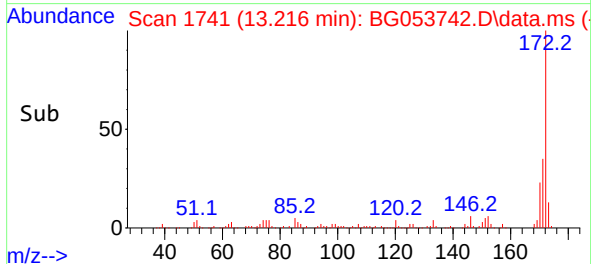
Instrument :
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ClientSampleId :
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Tgt Ion:172 Resp: 283300
Ion Ratio Lower Upper
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171 35.4 28.5 42.7
170 23.2 18.9 28.3

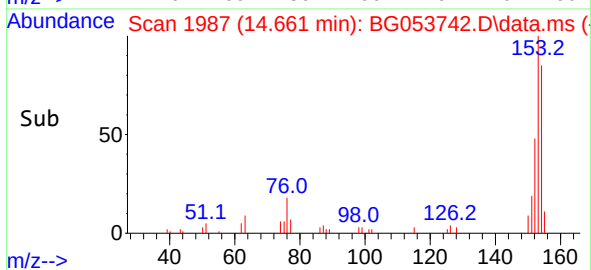
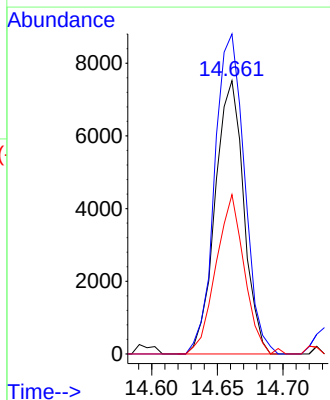
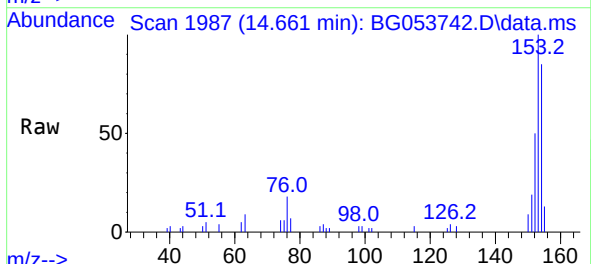
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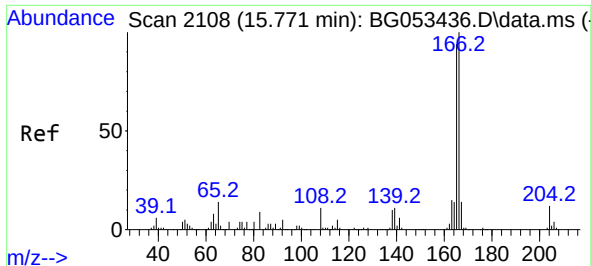
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#52
Acenaphthene
Concen: 2.733 ng
RT: 14.661 min Scan# 1987
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

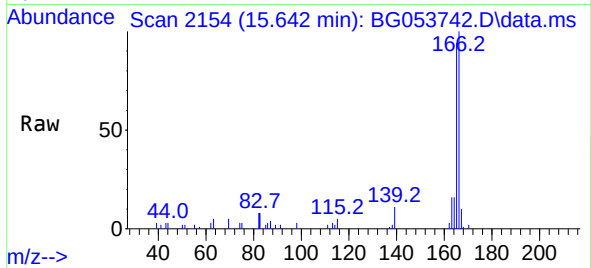
Tgt Ion:154 Resp: 11390
Ion Ratio Lower Upper
154 100
153 117.1 92.7 139.1
152 58.3 42.6 64.0





#58
Fluorene
Concen: 2.853 ng
RT: 15.642 min Scan# 2108
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

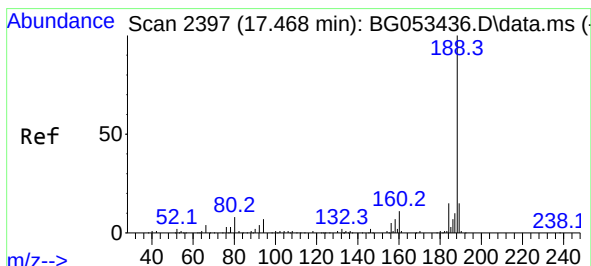
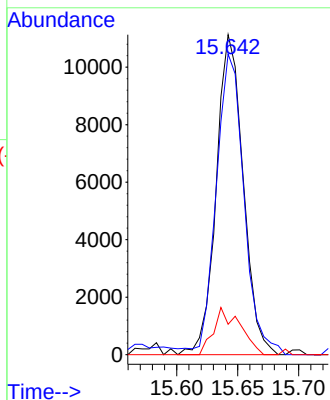
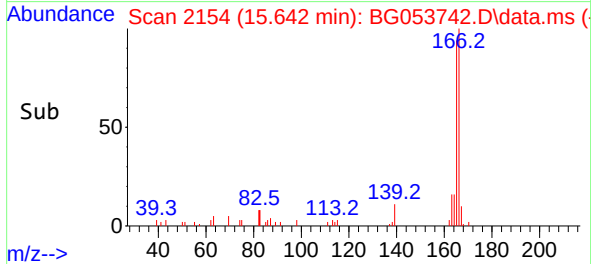
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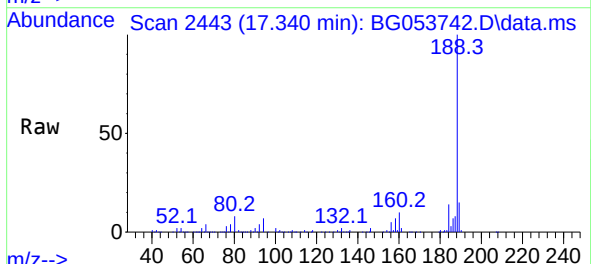
Tgt Ion:166 Resp: 17138
Ion Ratio Lower Upper
166 100
165 93.9 75.0 112.6
167 9.5 10.8 16.2

Manual Integrations
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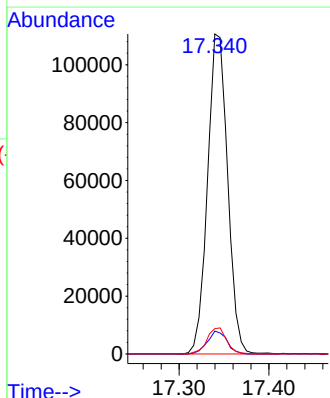
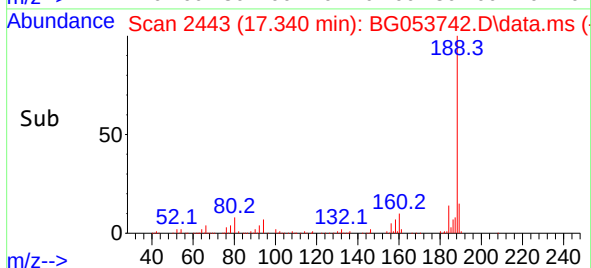
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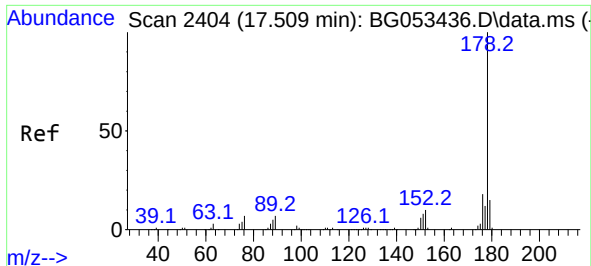


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.340 min Scan# 2443
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53



Tgt Ion:188 Resp: 171841
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.0
80 7.9 6.8 10.2





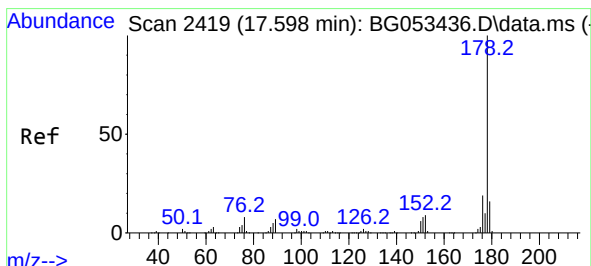
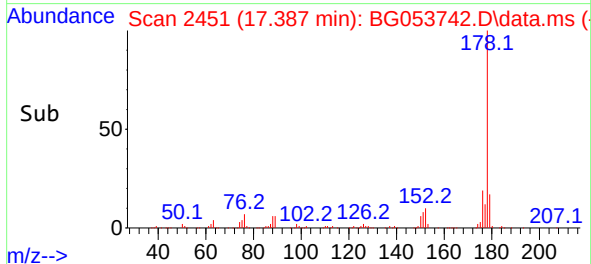
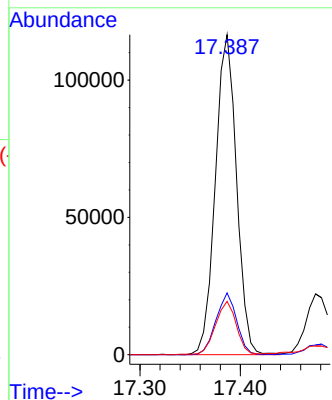
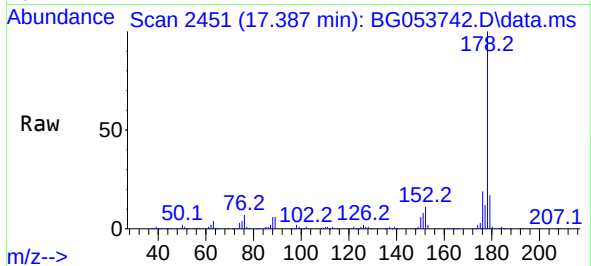
#71
Phenanthrene
Concen: 19.498 ng
RT: 17.387 min Scan# 2404
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Instrument :
BNA_G
ClientSampleId :
72-11944

Tgt Ion:178 Resp: 170360
Ion Ratio Lower Upper
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176 19.3 14.1 21.1
179 16.7 12.1 18.1

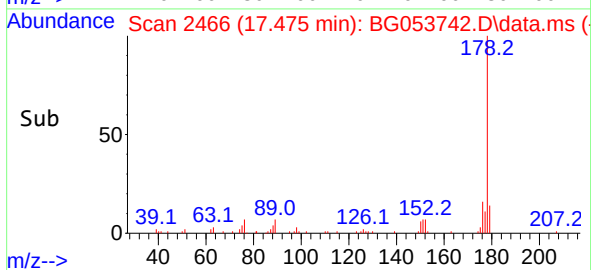
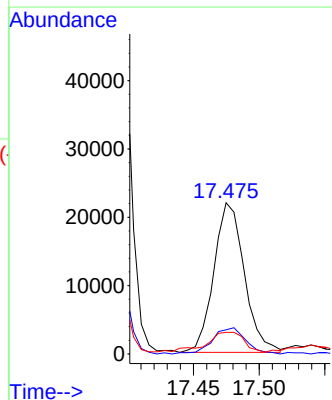
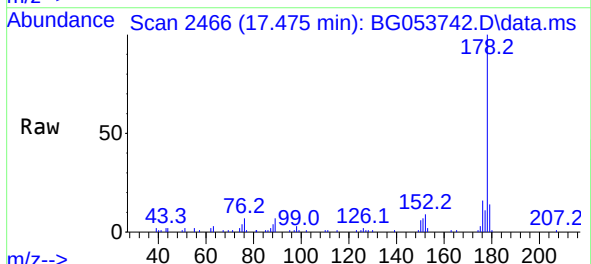
Manual Integrations
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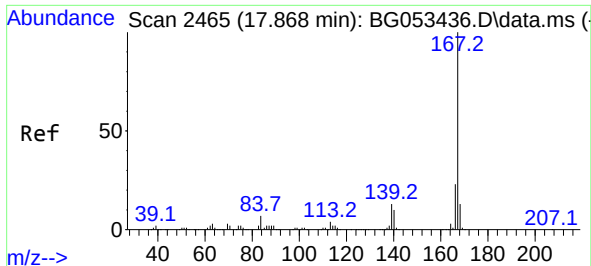
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#72
Anthracene
Concen: 4.117 ng
RT: 17.475 min Scan# 2466
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:178 Resp: 35358
Ion Ratio Lower Upper
178 100
176 16.0 15.2 22.8
179 14.3 13.0 19.4





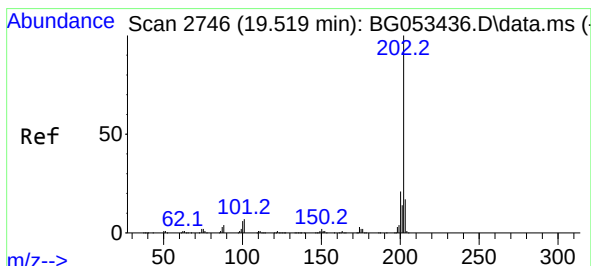
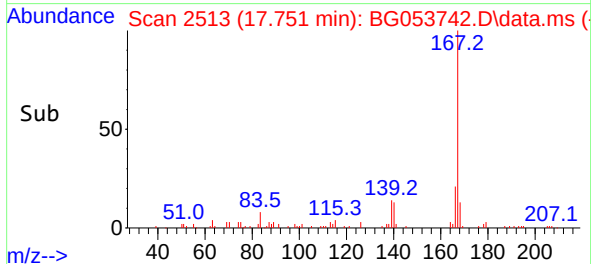
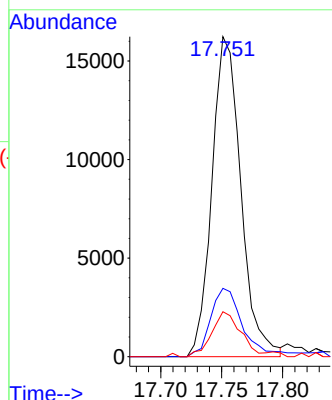
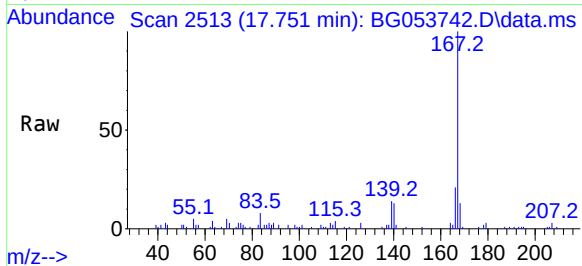
#73
 Carbazole
 Concen: 3.180 ng
 RT: 17.751 min Scan# 21
 Delta R.T. -0.028 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

Instrument :
 BNA_G
 ClientSampleId :
 72-11944

Tgt Ion:167 Resp: 26768
 Ion Ratio Lower Upper
 167 100
 166 21.4 18.2 27.2
 139 14.1 10.1 15.1

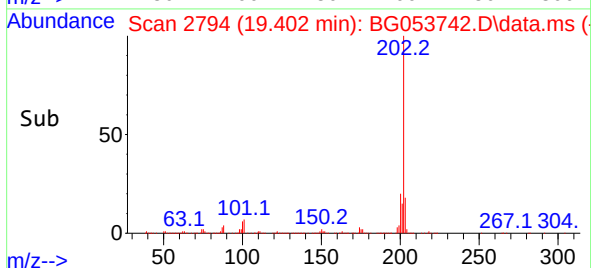
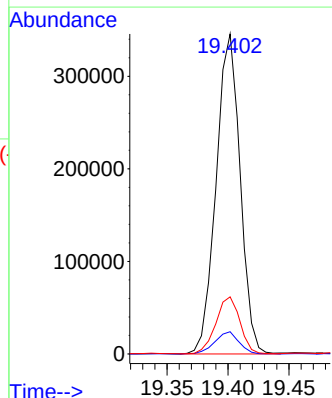
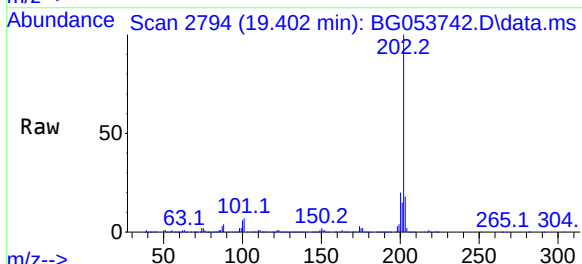
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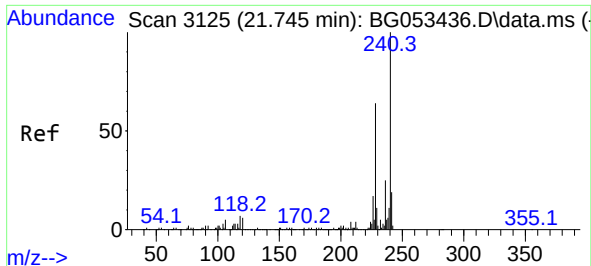
Reviewed By :Christian Giraldo 05/28/2022
 Supervised By :Jagrut Upadhyay 05/31/2022



#75
 Fluoranthene
 Concen: 41.915 ng
 RT: 19.402 min Scan# 2794
 Delta R.T. -0.022 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

Tgt Ion:202 Resp: 474214
 Ion Ratio Lower Upper
 202 100
 101 7.0 0.0 26.9
 203 17.9 0.0 37.2





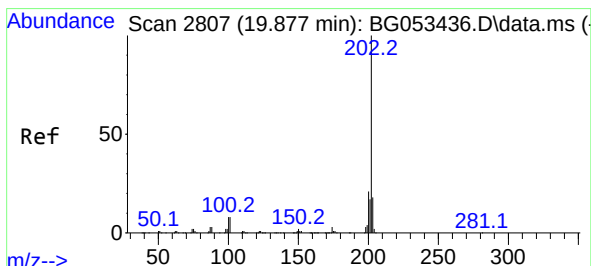
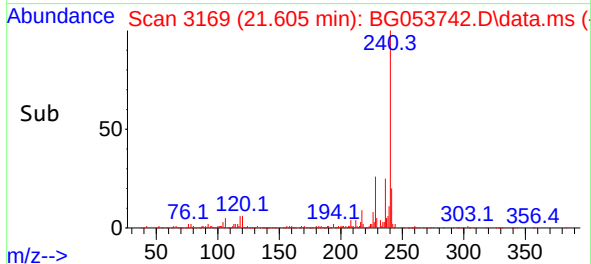
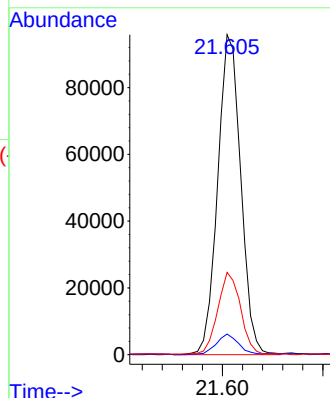
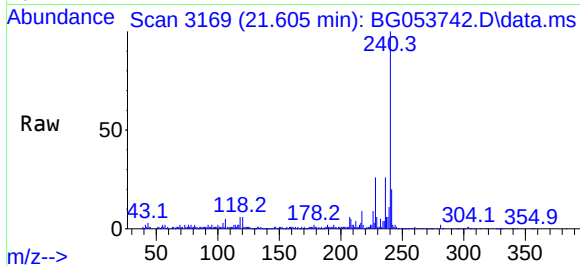
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.605 min Scan# 3125
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Instrument :
BNA_G
ClientSampleId :
72-11944

Tgt Ion:240 Resp: 152845
Ion Ratio Lower Upper
240 100
120 6.4 4.6 7.0
236 25.7 20.2 30.4

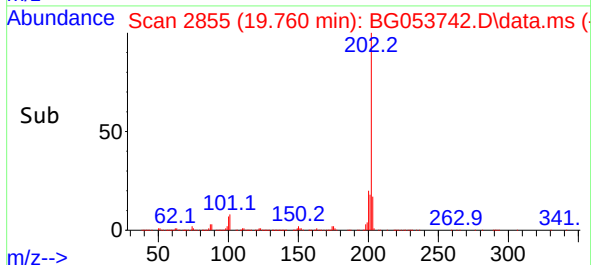
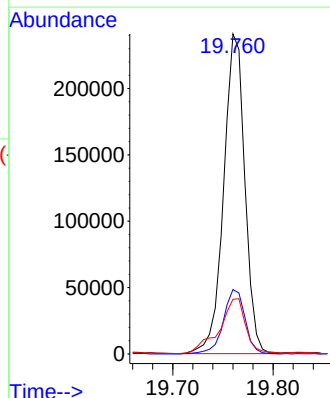
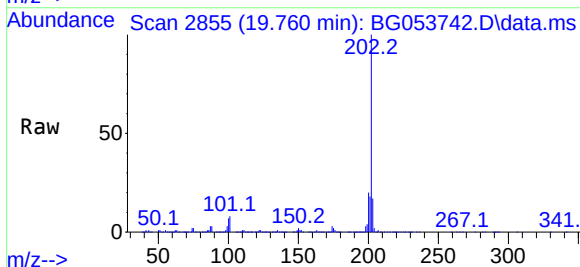
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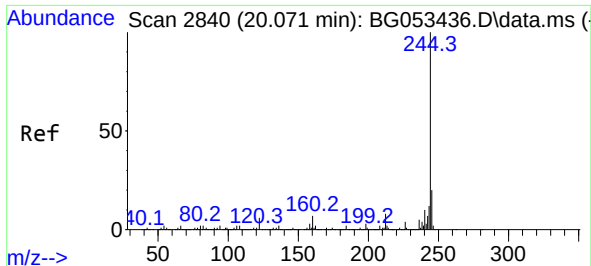
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#78
Pyrene
Concen: 35.681 ng
RT: 19.760 min Scan# 2855
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

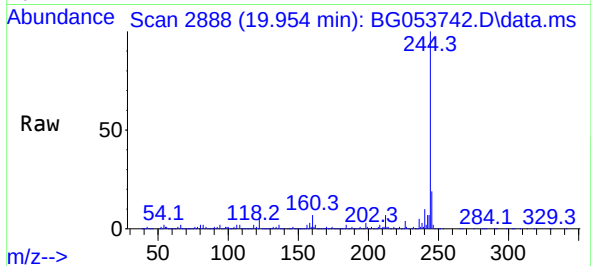
Tgt Ion:202 Resp: 353047
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 17.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 49.157 ng
 RT: 19.954 min Scan# 21
 Delta R.T. -0.022 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

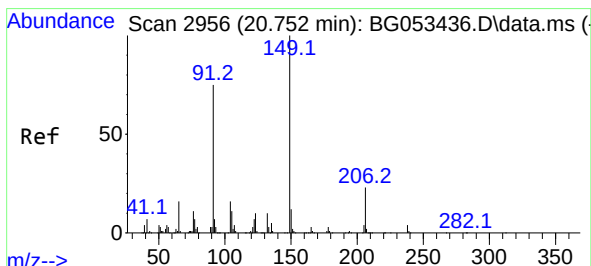
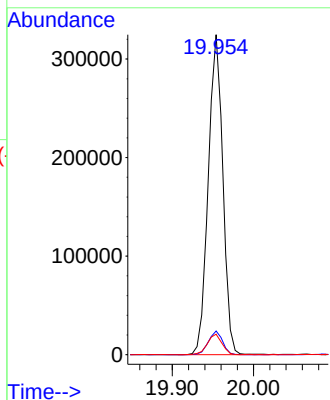
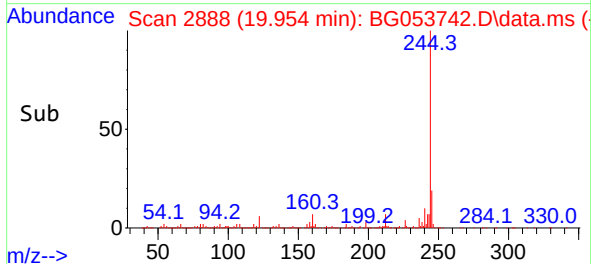
Instrument :
 BNA_G
 ClientSampleId :
 72-11944



Tgt Ion:244 Resp: 403414
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.4 5.0 7.4

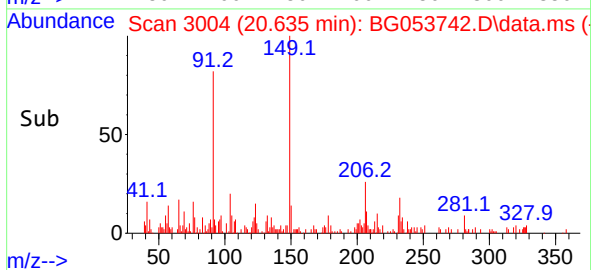
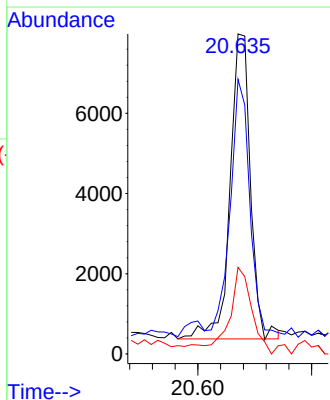
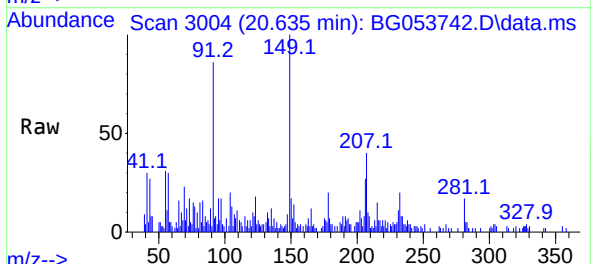
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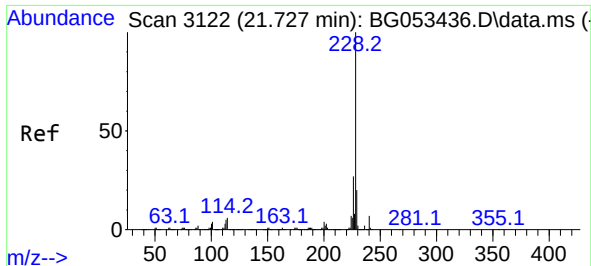
Reviewed By :Christian Giraldo 05/28/2022
 Supervised By :Jagrut Upadhyay 05/31/2022



#80
 Butylbenzylphthalate
 Concen: 2.623 ng
 RT: 20.635 min Scan# 3004
 Delta R.T. -0.028 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

Tgt Ion:149 Resp: 9516
 Ion Ratio Lower Upper
 149 100
 91 85.8 59.6 89.4
 206 27.1 18.6 28.0





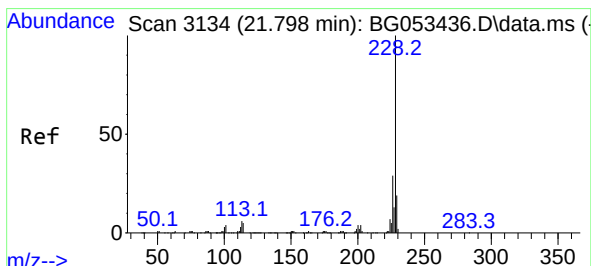
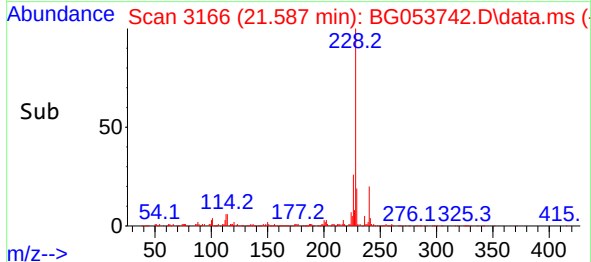
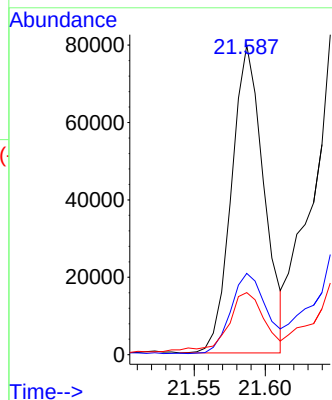
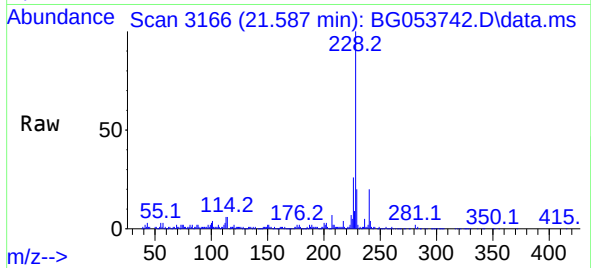
#81
Benzo(a)anthracene
Concen: 12.953 ng
RT: 21.587 min Scan# 3117
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Instrument :
BNA_G
ClientSampleId :
72-11944

Tgt Ion:228 Resp: 12627
Ion Ratio Lower Upper
228 100
226 26.3 21.6 32.4
229 20.0 16.2 24.2

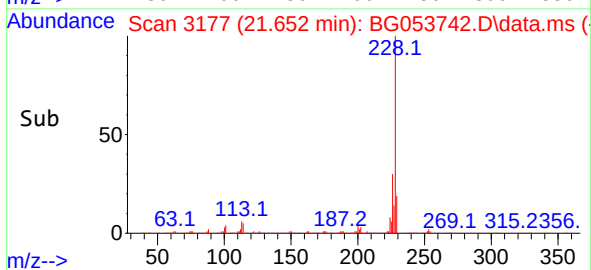
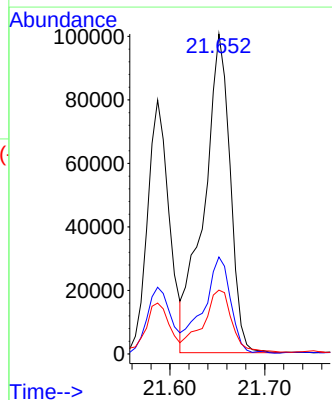
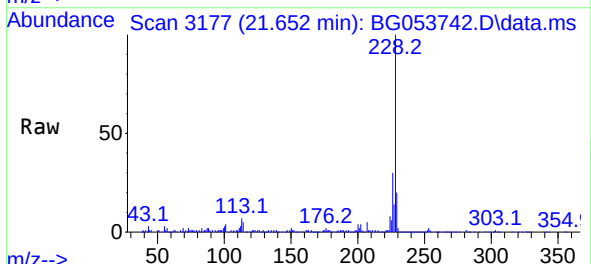
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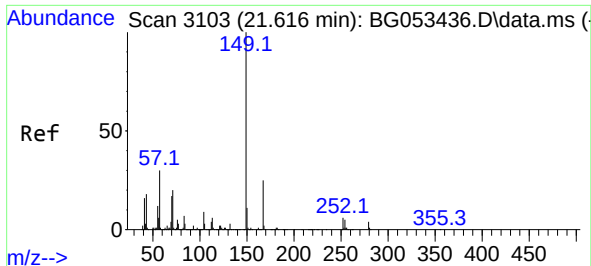
Reviewed By :Christian Giraldo 05/28/2022
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#83
Chrysene
Concen: 21.097 ng
RT: 21.652 min Scan# 3177
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

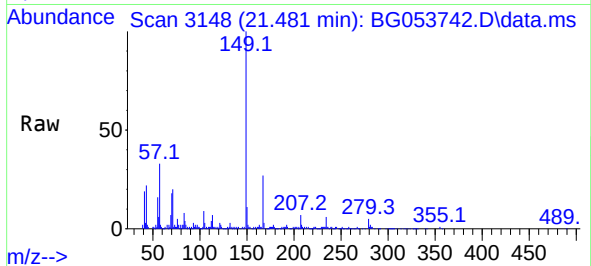
Tgt Ion:228 Resp: 192089
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.2
229 20.0 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 18.474 ng
RT: 21.481 min Scan# 3103
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

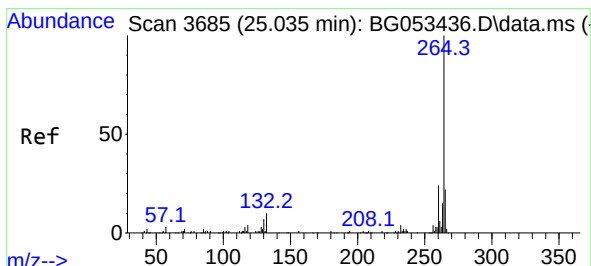
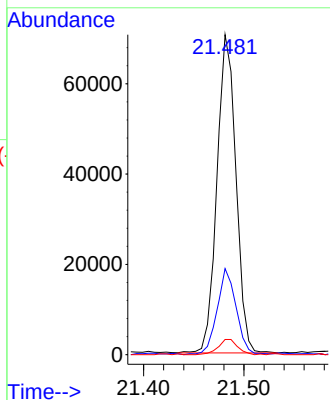
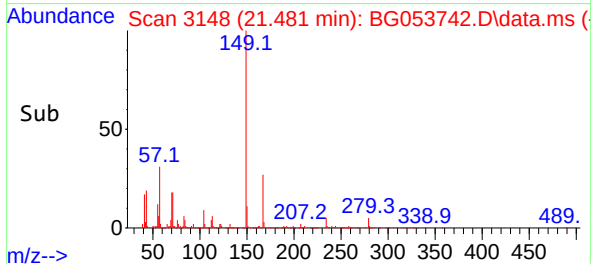
Instrument :
BNA_G
ClientSampleId :
72-11944



Tgt Ion:149 Resp: 92515
Ion Ratio Lower Upper
149 100
167 26.9 20.2 30.4
279 4.8 3.6 5.4

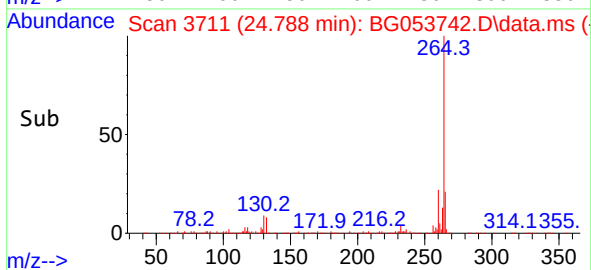
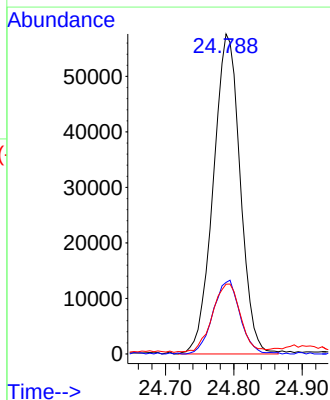
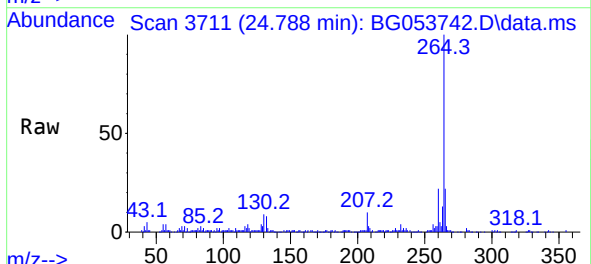
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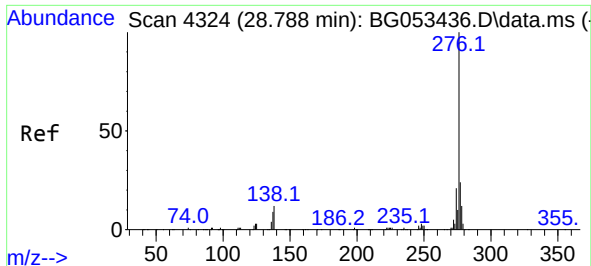
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.788 min Scan# 3711
Delta R.T. -0.051 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

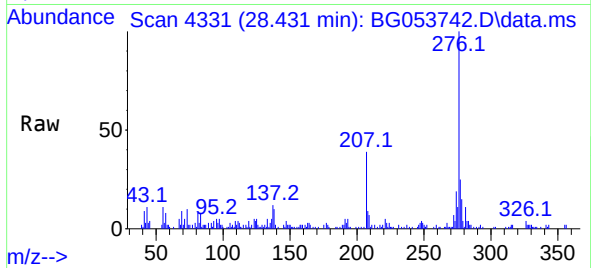
Tgt Ion:264 Resp: 158178
Ion Ratio Lower Upper
264 100
260 22.4 19.0 28.6
265 21.8 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.708 ng
 RT: 28.431 min Scan# 41
 Delta R.T. -0.081 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

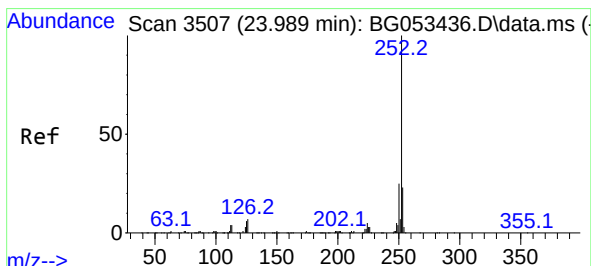
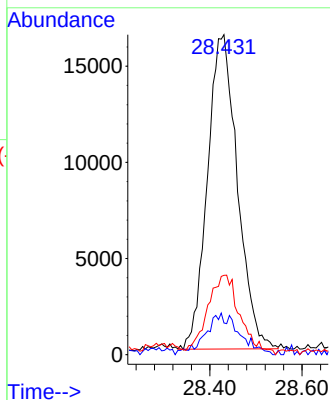
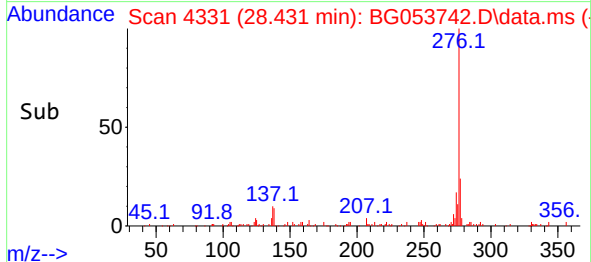
Instrument :
 BNA_G
 ClientSampleId :
 72-11944



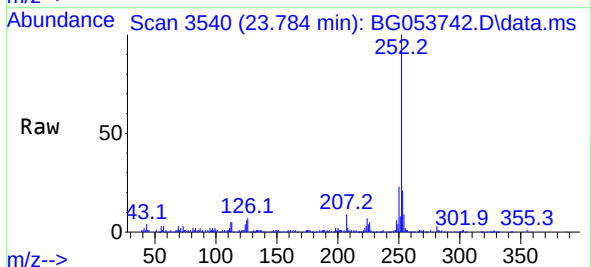
Tgt Ion:276 Resp: 7389
 Ion Ratio Lower Upper
 276 100
 138 9.0 5.0 7.4
 277 27.6 20.3 30.5

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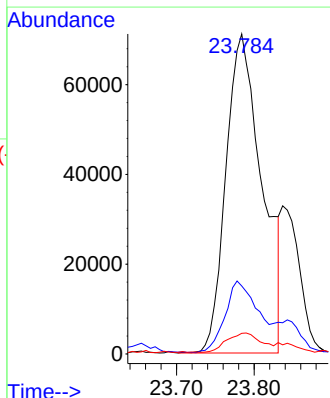
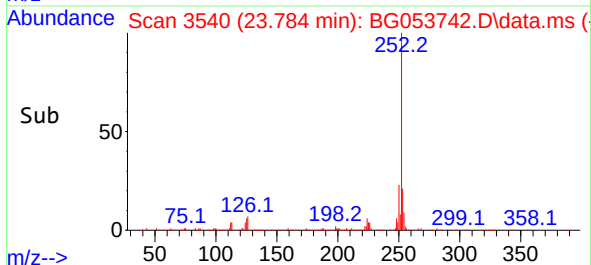
Reviewed By :Christian Giraldo 05/28/2022
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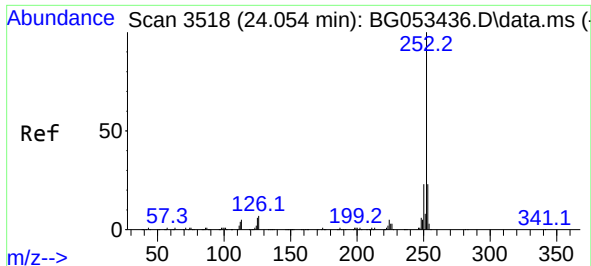


#88
 Benzo(b)fluoranthene
 Concen: 24.511 ng
 RT: 23.784 min Scan# 3540
 Delta R.T. -0.040 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53



Tgt Ion:252 Resp: 229494
 Ion Ratio Lower Upper
 252 100
 253 21.2 18.0 27.0
 125 6.5 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 5.923 ng m

RT: 23.837 min Scan# 3518

Delta R.T. -0.051 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

72-11944

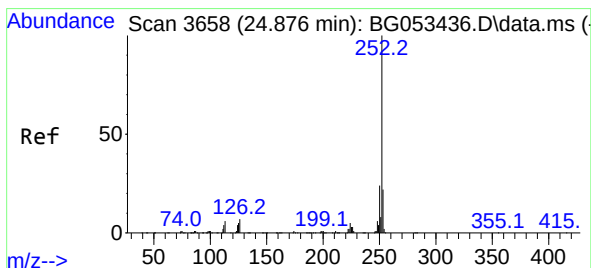
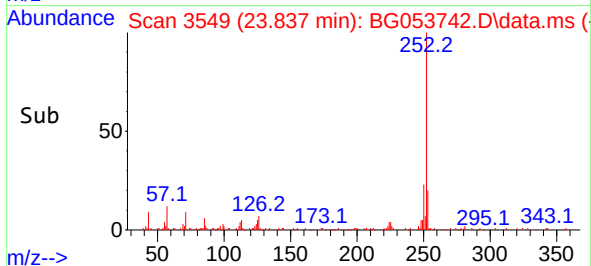
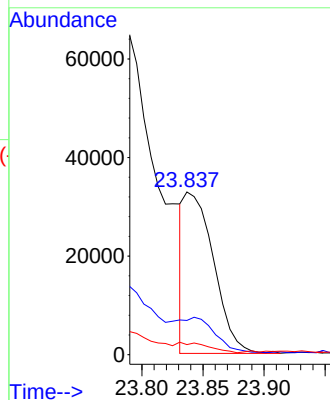
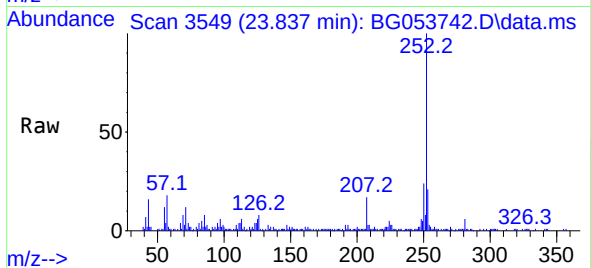
Tgt Ion:252 Resp: 54498
 Ion Ratio Lower Upper
 252 100
 253 21.0 18.4 27.6
 125 6.2 4.8 7.2

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Supervised By :Jagrut Upadhyay 05/31/2022



#90

Benzo(a)pyrene

Concen: 11.973 ng

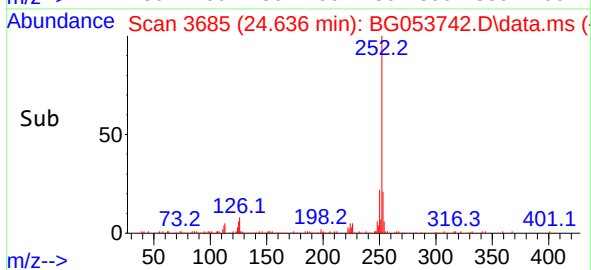
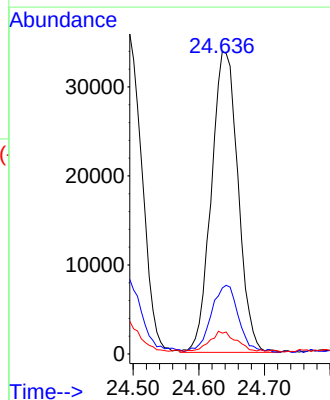
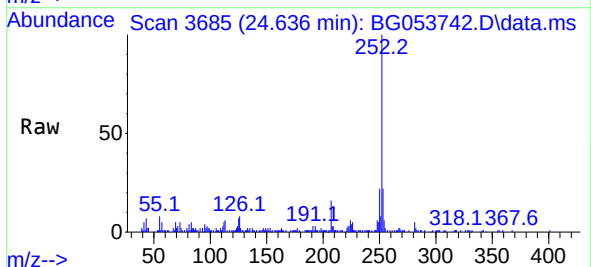
RT: 24.636 min Scan# 3685

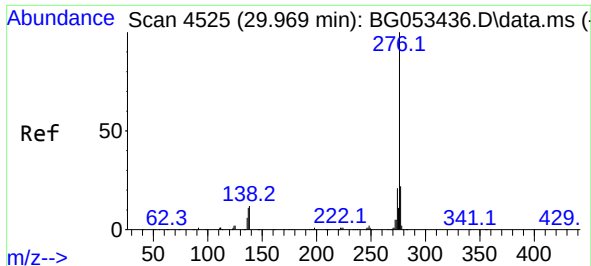
Delta R.T. -0.051 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

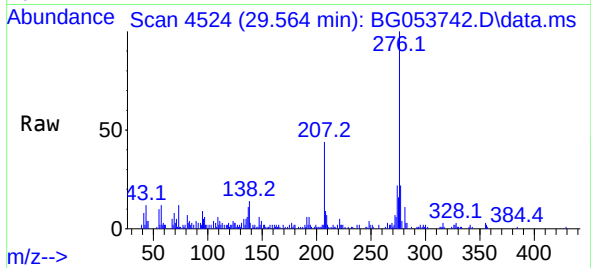
Tgt Ion:252 Resp: 95418
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.8 26.8
 125 6.9 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 8.325 ng
 RT: 29.564 min Scan# 4524
 Delta R.T. -0.087 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

Instrument :
 BNA_G
 ClientSampleId :
 72-11944



Tgt Ion: 276 Resp: 74910

Ion	Ratio	Lower	Upper
276	100		
277	22.2	17.3	25.9
138	14.1	9.6	14.4

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Reviewed By : Christian Giraldo 05/28/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

