

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082422\
 Data File : BG054719.D
 Acq On : 24 Aug 2022 14:06
 Operator : CG/JU
 Sample : N4120-06DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BLDG-19CDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/25/2022
 Supervised By : Jagrut Upadhyay 08/25/2022

Quant Time: Aug 24 15:14:54 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	8.159	152	49491	20.000	ng	0.00
21) Naphthalene-d8	10.985	136	208475	20.000	ng	0.00
39) Acenaphthene-d10	14.793	164	132783	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	316005	20.000	ng	0.00
76) Chrysene-d12	21.831	240	307313	20.000	ng	0.00
86) Perylene-d12	25.204	264	324530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	30858	11.749	ng	0.00
7) Phenol-d6	7.301	99	42852	11.645	ng	0.00
23) Nitrobenzene-d5	9.328	82	26444	7.229	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	20264	19.056	ng	0.00
45) 2-Fluorobiphenyl	13.412	172	64416	7.154	ng	0.00
79) Terphenyl-d14	20.133	244	118747	7.676	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.038	128	45337	4.041	ng	98
52) Acenaphthene	14.851	154	23142	3.030	ng	99
55) Dibenzofuran	15.186	168	35962	3.107	ng	95
58) Fluorene	15.833	166	39864	4.166	ng	97
71) Phenanthrene	17.578	178	489544	29.064	ng	100
72) Anthracene	17.672	178	140343	8.598	ng	99
73) Carbazole	17.936	167	62460	4.301	ng	98
75) Fluoranthene	19.581	202	655286	32.998	ng	100
78) Pyrene	19.945	202	563668	26.003	ng	99
80) Butylbenzylphthalate	20.821	149	15035	7.035	ng	93
81) Benzo(a)anthracene	21.808	228	310903	14.896	ng	98
83) Chrysene	21.878	228	252976	12.736	ng	98
84) Bis(2-ethylhexyl)phtha...	21.702	149	21643	6.026	ng	98
87) Indeno(1,2,3-cd)pyrene	29.088	276	170104	7.024	ng	# 95
88) Benzo(b)fluoranthene	24.129	252	323943	16.076	ng	99
89) Benzo(k)fluoranthene	24.193	252	119642m	5.753	ng	
90) Benzo(a)pyrene	25.045	252	248507	14.368	ng	97
91) Dibenzo(a,h)anthracene	29.152	278	43860m	2.205	ng	
92) Benzo(g,h,i)perylene	30.298	276	161289	8.293	ng	97

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

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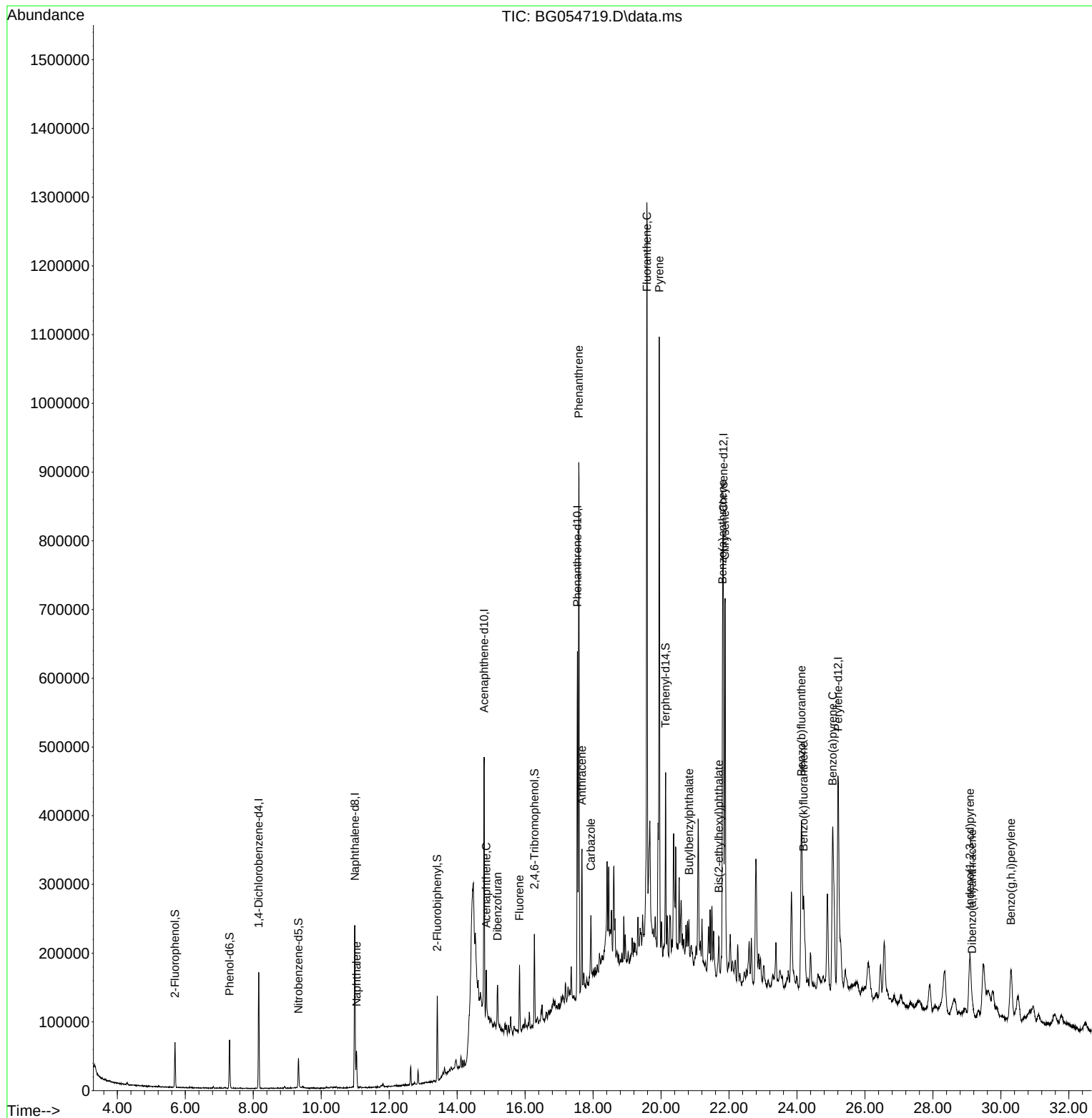
Manual Integrations

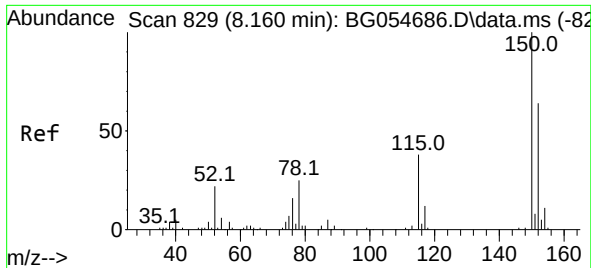
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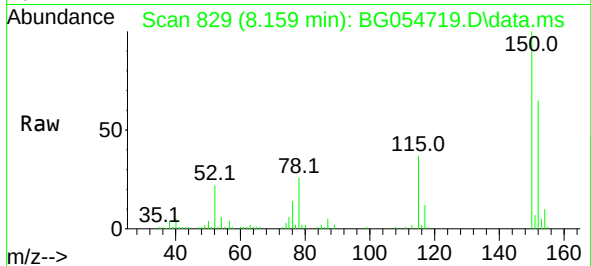
Quant Time: Aug 24 15:14:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 23 03:09:46 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.159 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

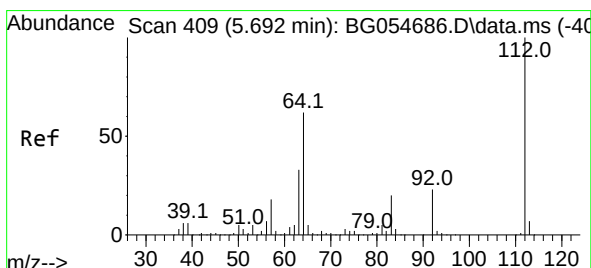
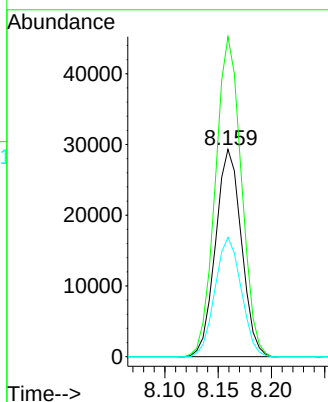
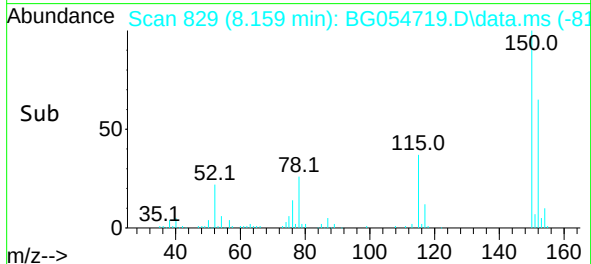
Instrument :
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ClientSampleId :
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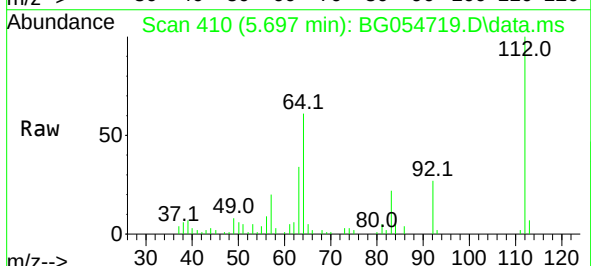
Tgt Ion:152 Resp: 4949
Ion Ratio Lower Upper
152 100
150 154.4 125.2 187.8
115 57.6 47.9 71.9

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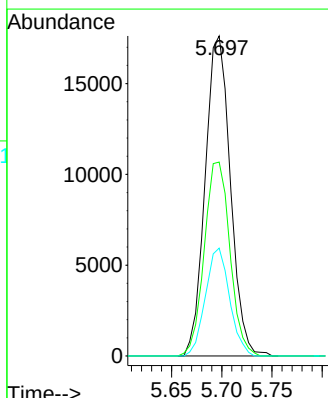
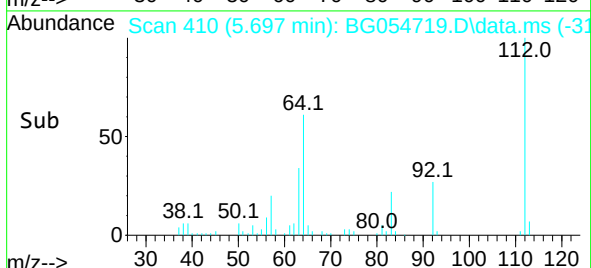
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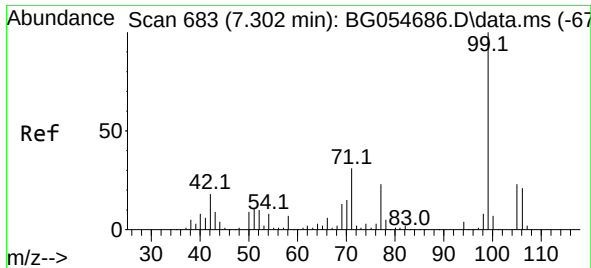


#5
2-Fluorophenol
Concen: 11.749 ng
RT: 5.697 min Scan# 410
Delta R.T. 0.006 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06



Tgt Ion:112 Resp: 30858
Ion Ratio Lower Upper
112 100
64 60.6 49.3 73.9
63 33.7 26.3 39.5





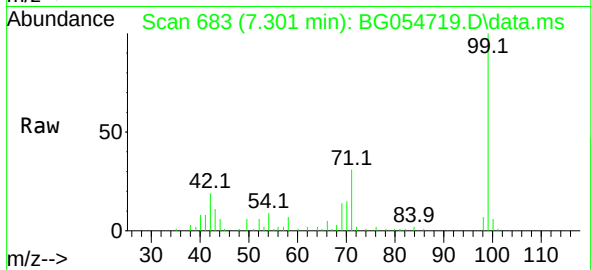
#7
Phenol-d6
Concen: 11.645 ng
RT: 7.301 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Instrument :

BNA_G

ClientSampleId :

BLDG-19CDL

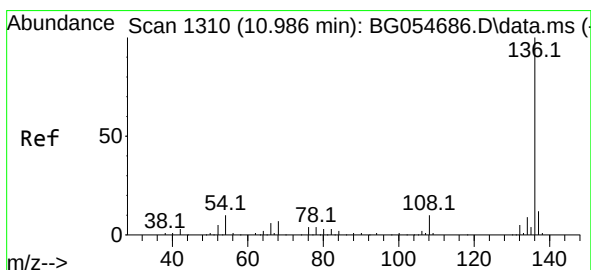
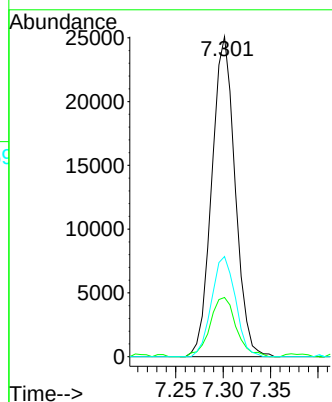
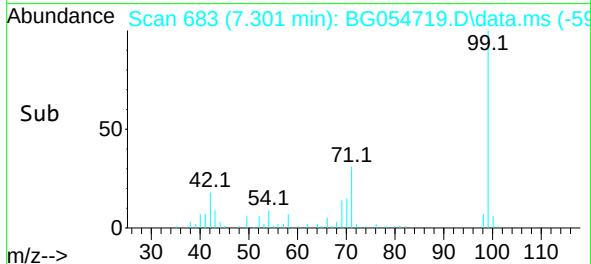


Tgt Ion: 99 Resp: 42852
Ion Ratio Lower Upper
99 100
42 18.5 14.6 22.0
71 31.3 24.6 37.0

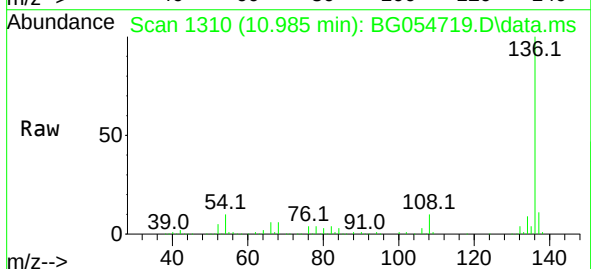
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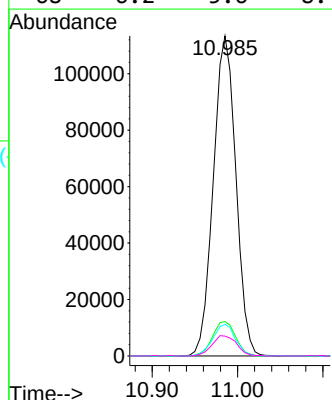
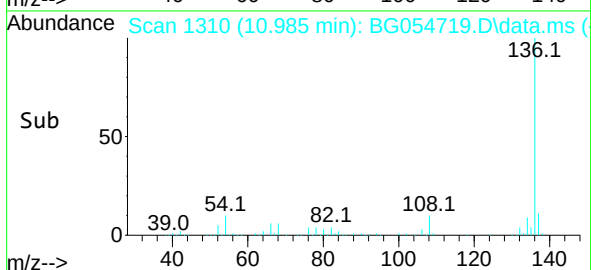
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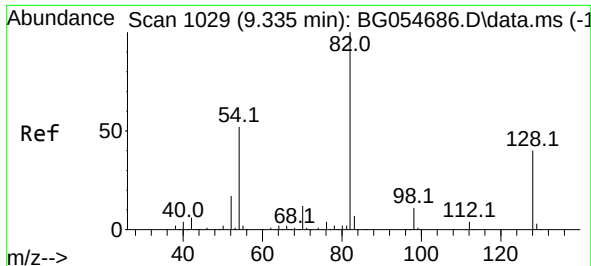


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1310
Delta R.T. -0.001 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06



Tgt Ion:136 Resp: 208475
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 9.9 7.7 11.5
68 6.2 5.6 8.4





#23

Nitrobenzene-d5

Concen: 7.229 ng

RT: 9.328 min Scan# 1028

Delta R.T. -0.006 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Instrument :

BNA_G

ClientSampleId :

BLDG-19CDL

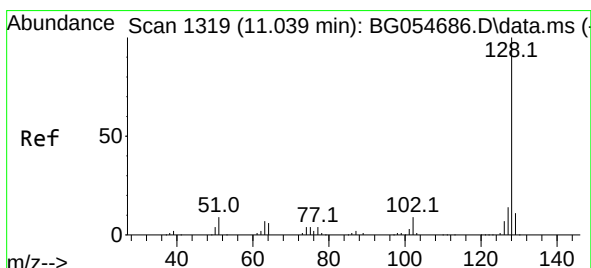
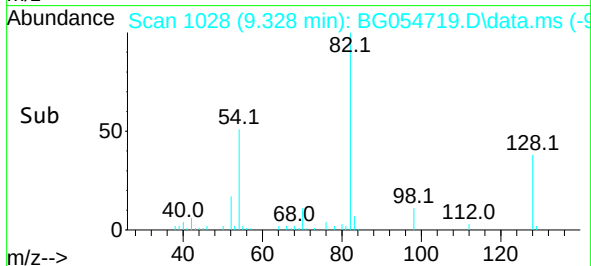
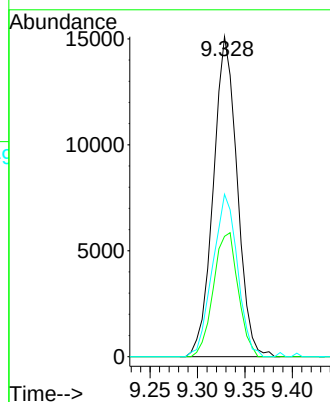
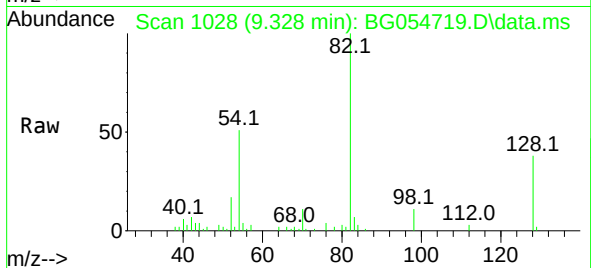
Tgt Ion:	82	Resp:	2644
Ion Ratio	Lower	Upper	
82	100		
128	37.6	32.2	48.2
54	50.7	41.4	62.0

Manual Integrations

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#31

Naphthalene

Concen: 4.041 ng

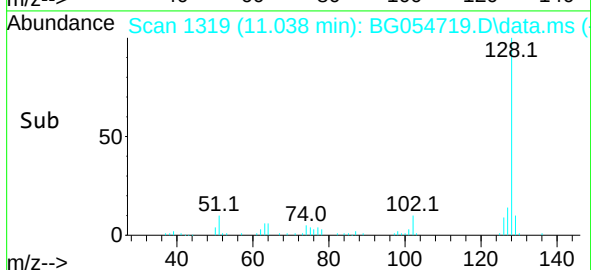
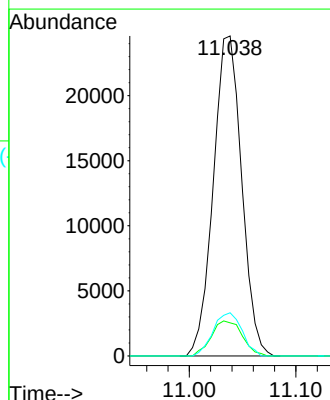
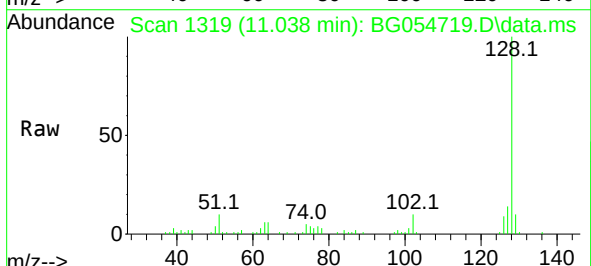
RT: 11.038 min Scan# 1319

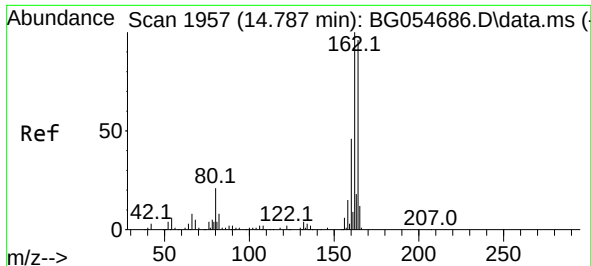
Delta R.T. -0.000 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

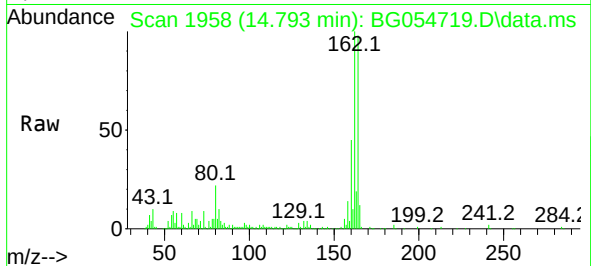
Tgt Ion:	128	Resp:	45337
Ion Ratio	Lower	Upper	
128	100		
129	10.3	9.0	13.4
127	13.5	11.1	16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.793 min Scan# 1958
Delta R.T. 0.006 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

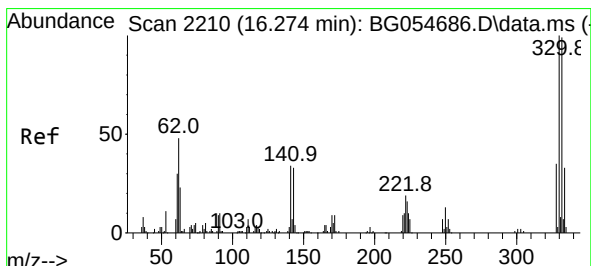
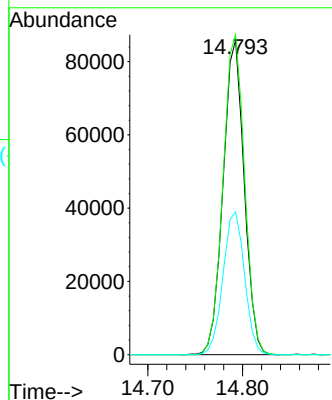
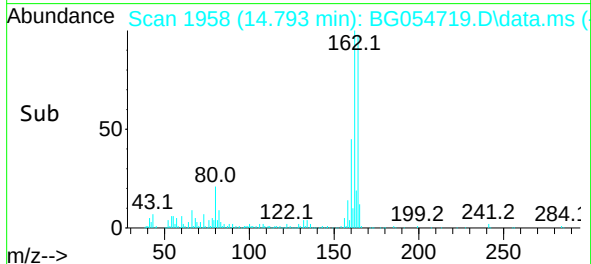
Instrument :
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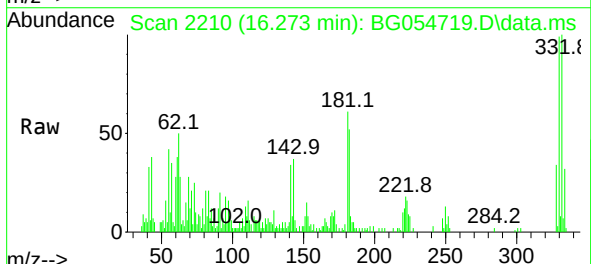
Tgt Ion:164 Resp: 13278
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.4
160 45.4 38.0 57.0

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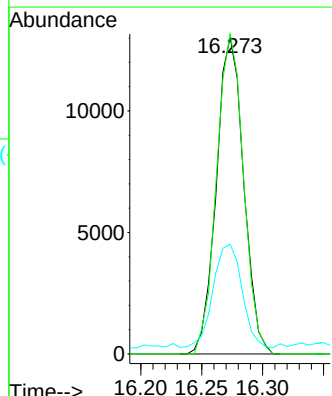
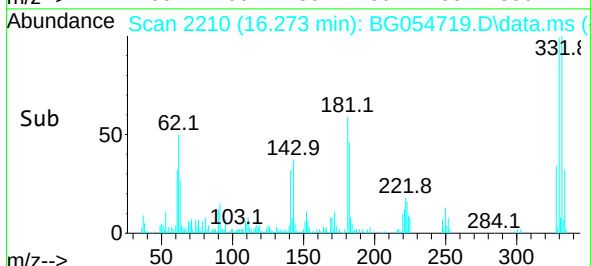
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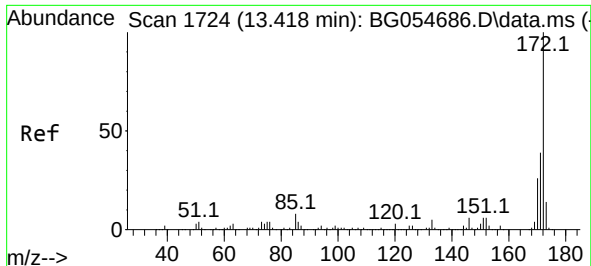


#42
2,4,6-Tribromophenol
Concen: 19.056 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06



Tgt Ion:330 Resp: 20264
Ion Ratio Lower Upper
330 100
332 99.6 79.8 119.6
141 34.5 26.8 40.2





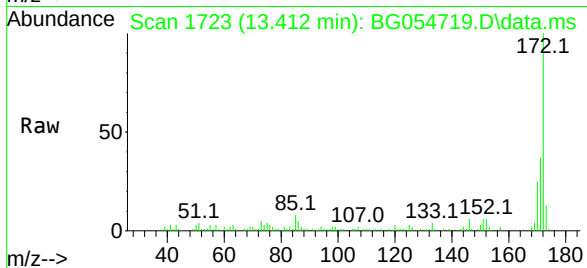
#45
2-Fluorobiphenyl
Concen: 7.154 ng
RT: 13.412 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Instrument :

BNA_G

ClientSampleId :

BLDG-19CDL

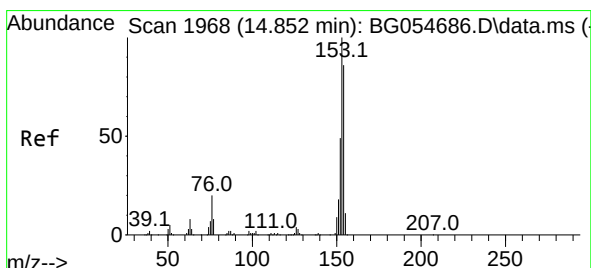
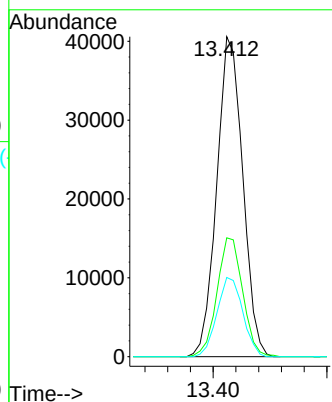
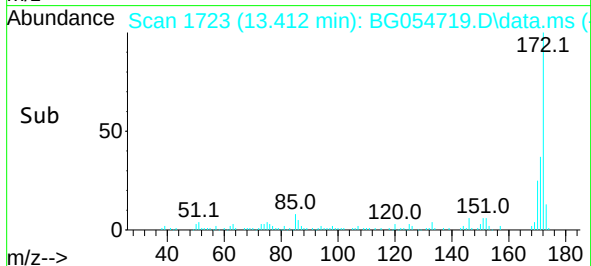


Tgt Ion:172 Resp: 64410
Ion Ratio Lower Upper
172 100
171 37.2 31.2 46.8
170 24.7 20.6 30.8

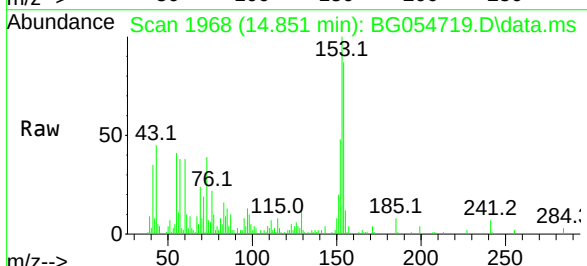
Manual Integrations

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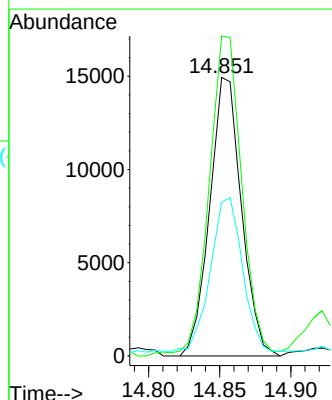
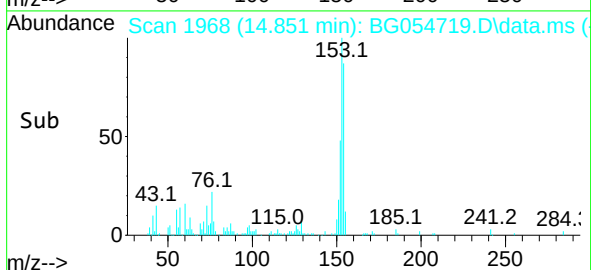
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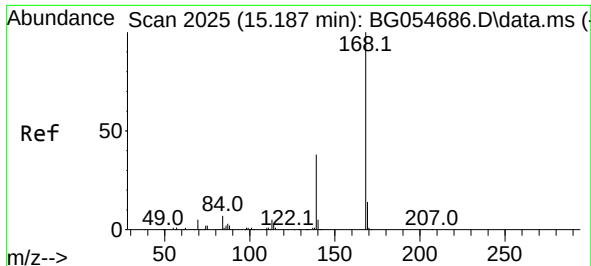


#52
Acenaphthene
Concen: 3.030 ng
RT: 14.851 min Scan# 1968
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06



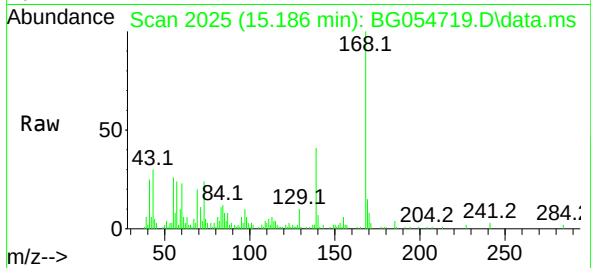
Tgt Ion:154 Resp: 23142
Ion Ratio Lower Upper
154 100
153 114.9 92.8 139.2
152 55.1 45.4 68.2





#55
Dibenzenofuran
Concen: 3.107 ng
RT: 15.186 min Scan# 2025
Delta R.T. -0.001 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

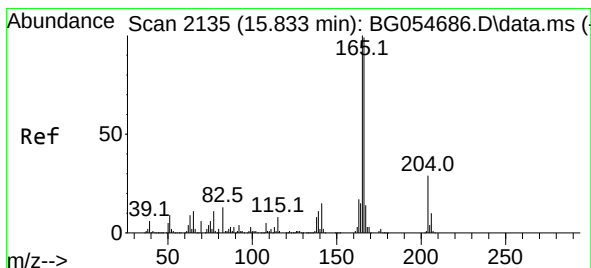
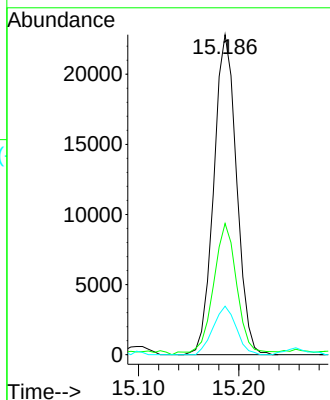
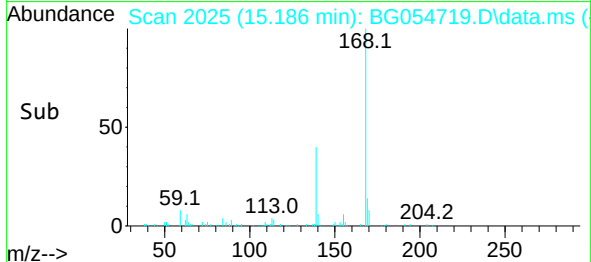
Instrument :
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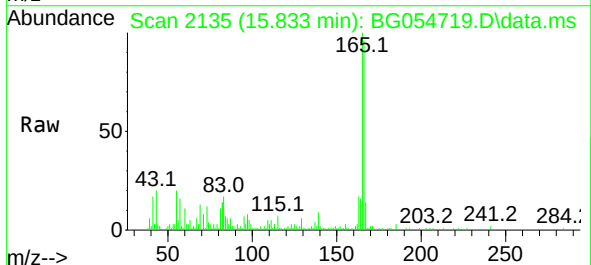
Tgt Ion:168 Resp: 35962
Ion Ratio Lower Upper
168 100
139 41.0 30.2 45.2
169 15.2 11.3 16.9

Manual Integrations
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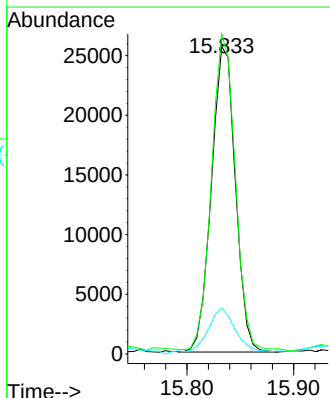
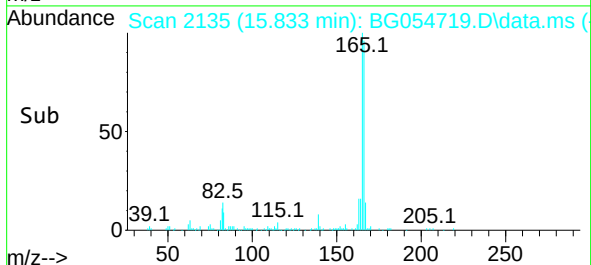
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022

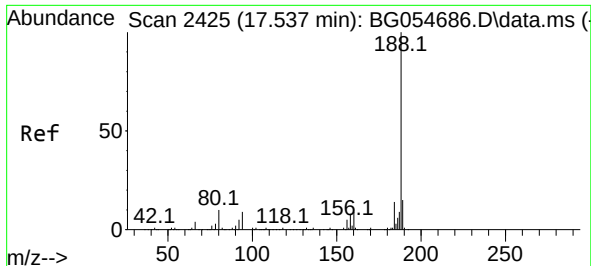


#58
Fluorene
Concen: 4.166 ng
RT: 15.833 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06



Tgt Ion:166 Resp: 39864
Ion Ratio Lower Upper
166 100
165 104.1 80.8 121.2
167 15.0 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: BG054719.D
Acq: 24 Aug 2022 14:06

Instrument :

BNA_G

ClientSampleId :

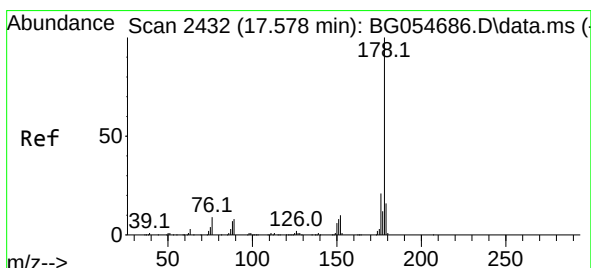
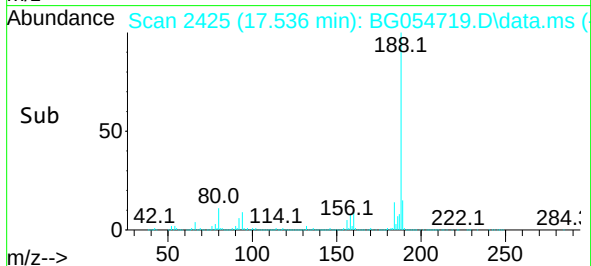
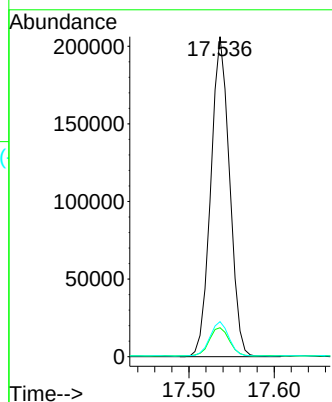
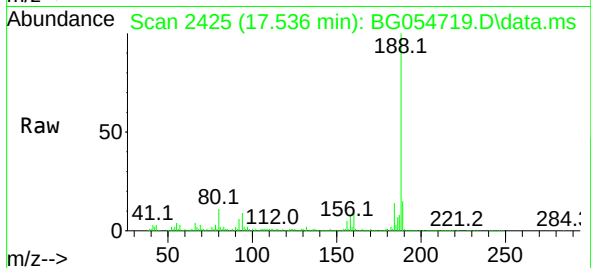
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Tgt Ion:188 Resp: 316000
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 10.9 7.9 11.9

Manual Integrations

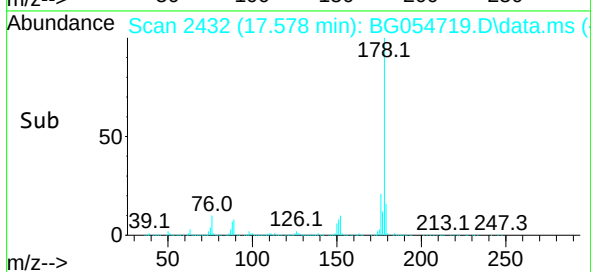
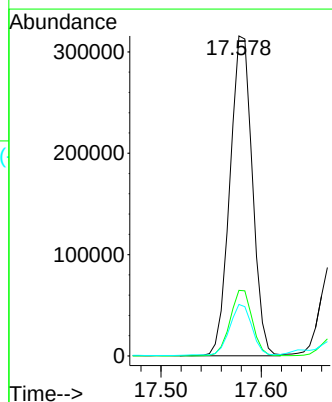
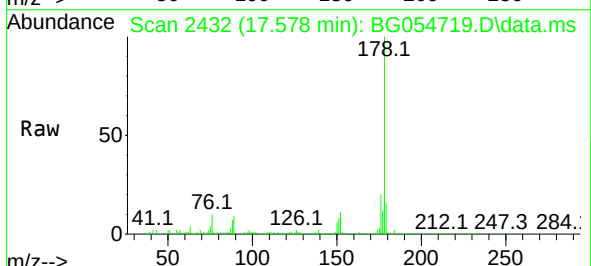
APPROVED

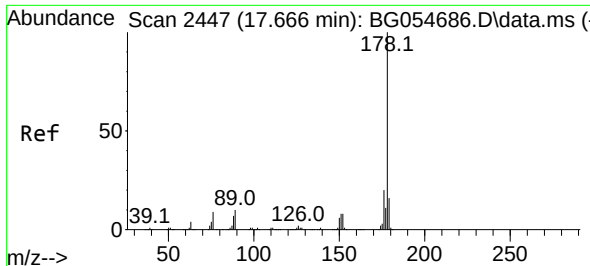
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022



#71
Phenanthrene
Concen: 29.064 ng
RT: 17.578 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

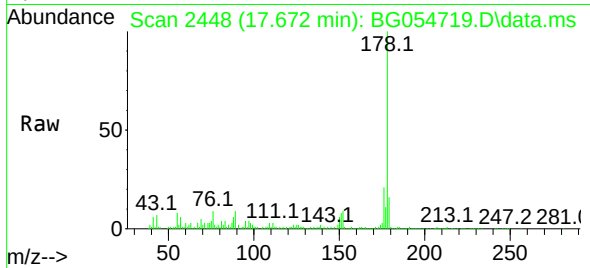
Tgt Ion:178 Resp: 489544
Ion Ratio Lower Upper
178 100
176 20.5 16.6 25.0
179 16.1 12.8 19.2





#72
 Anthracene
 Concen: 8.598 ng
 RT: 17.672 min Scan# 2448
 Delta R.T. 0.006 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

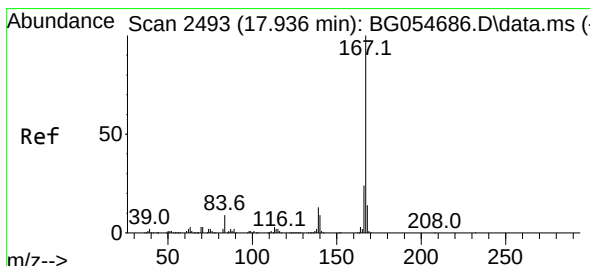
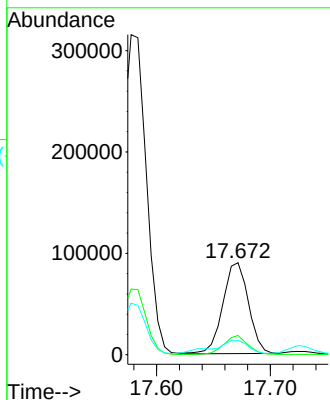
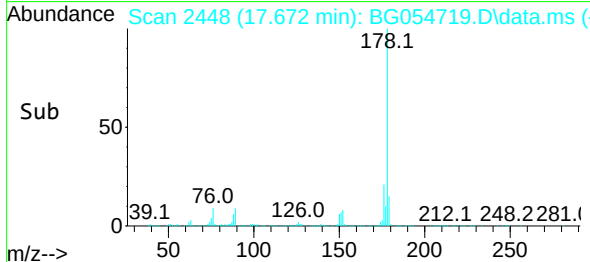
Instrument :
 BNA_G
 ClientSampleId :
 BLDG-19CDL



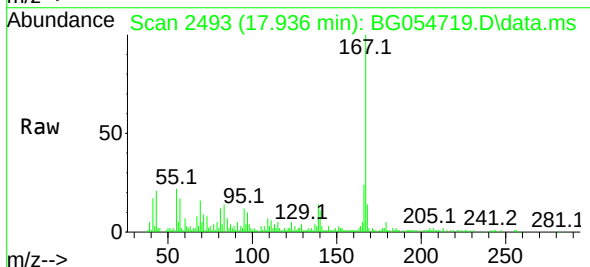
Tgt Ion:178 Resp: 14034
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.2 24.4
 179 15.7 12.9 19.3

Manual Integrations
 APPROVED

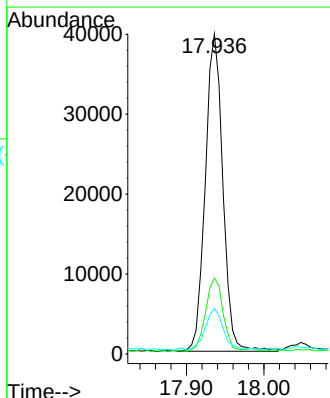
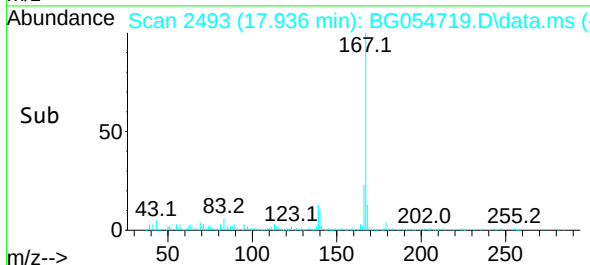
Reviewed By :Christian Giraldo 08/25/2022
 Supervised By :Jagrut Upadhyay 08/25/2022

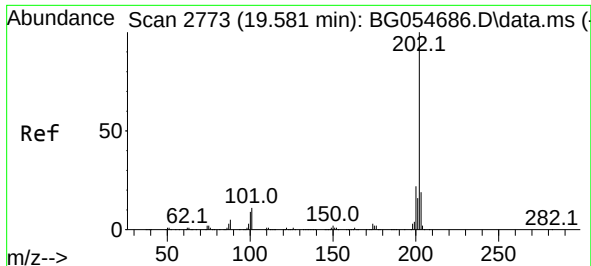


#73
 Carbazole
 Concen: 4.301 ng
 RT: 17.936 min Scan# 2493
 Delta R.T. -0.000 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06



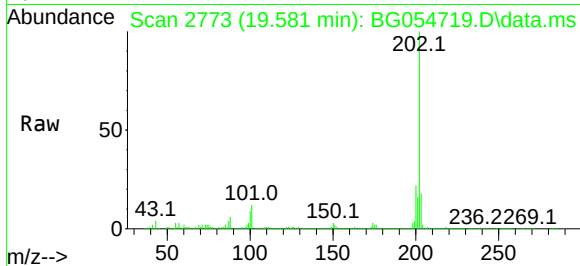
Tgt Ion:167 Resp: 62460
 Ion Ratio Lower Upper
 167 100
 166 23.7 18.8 28.2
 139 14.2 10.2 15.4





#75
Fluoranthene
Concen: 32.998 ng
RT: 19.581 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

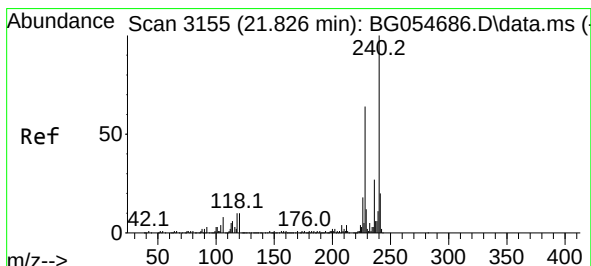
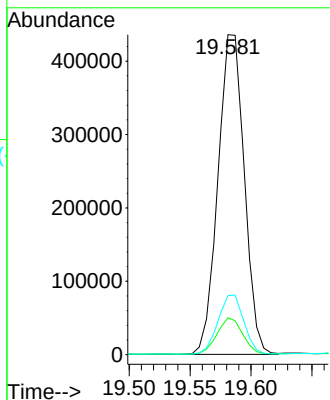
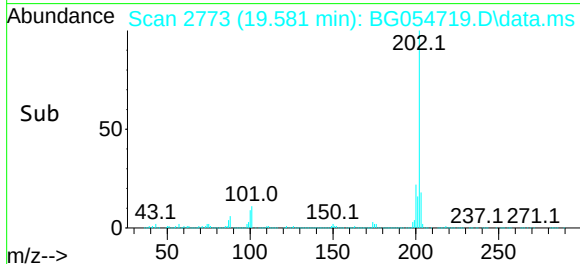
Instrument :
BNA_G
ClientSampleId :
BLDG-19CDL



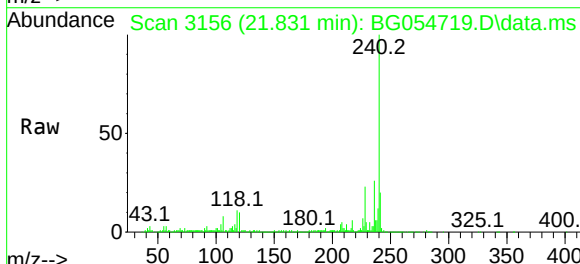
Tgt Ion:202 Resp: 655280
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 18.5 0.0 38.6

Manual Integrations
APPROVED

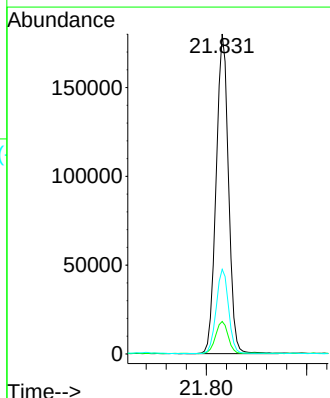
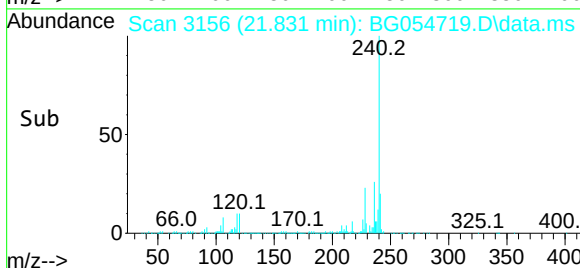
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022

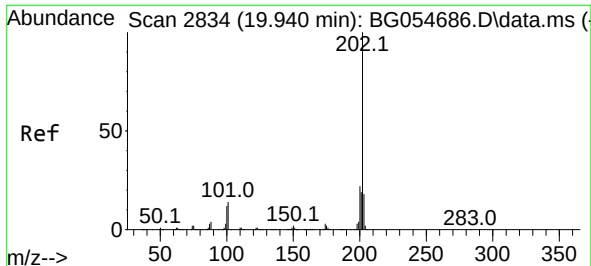


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3156
Delta R.T. 0.005 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06



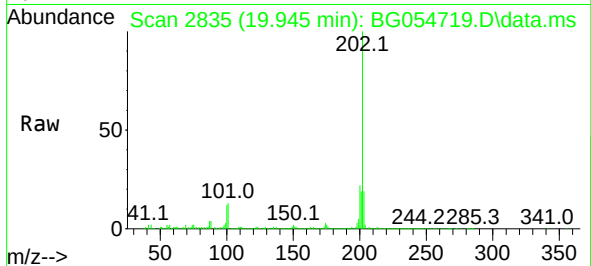
Tgt Ion:240 Resp: 307313
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.4
236 26.5 21.2 31.8





#78
 Pyrene
 Concen: 26.003 ng
 RT: 19.945 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

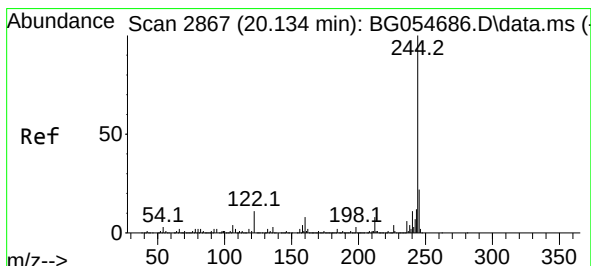
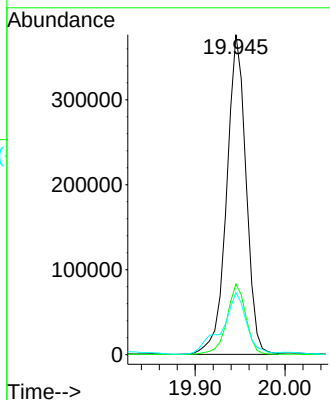
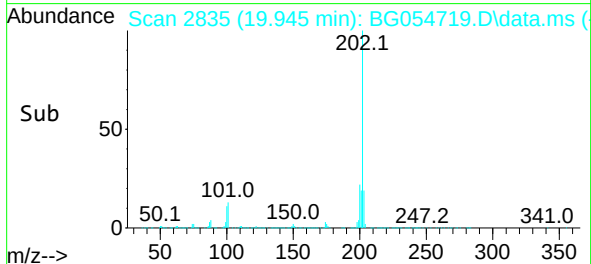
Instrument :
 BNA_G
 ClientSampleId :
 BLDG-19CDL



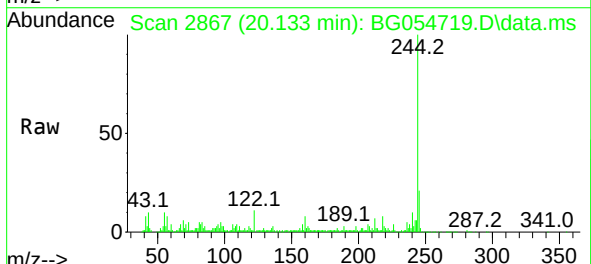
Tgt Ion:202 Resp: 56366
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.8 26.6
 203 19.4 14.6 21.8

Manual Integrations
 APPROVED

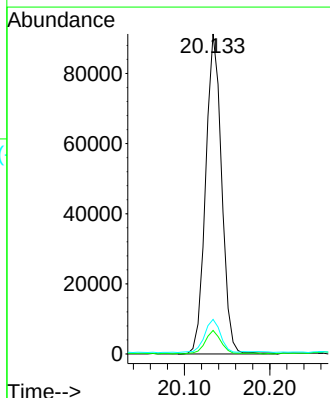
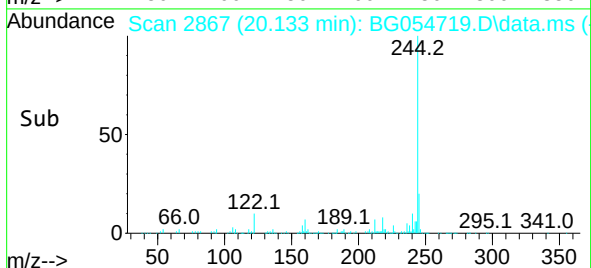
Reviewed By :Christian Giraldo 08/25/2022
 Supervised By :Jagrut Upadhyay 08/25/2022

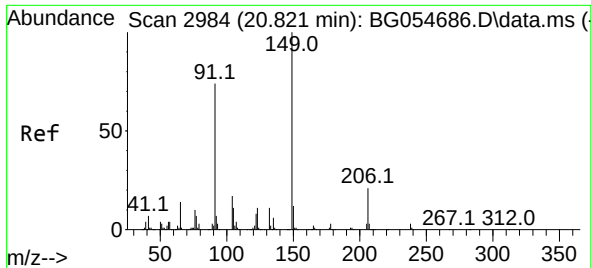


#79
 Terphenyl-d14
 Concen: 7.676 ng
 RT: 20.133 min Scan# 2867
 Delta R.T. -0.000 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06



Tgt Ion:244 Resp: 118747
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 10.8 9.0 13.6





#80
Butylbenzylphthalate
Concen: 7.035 ng
RT: 20.821 min Scan# 2984
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Instrument :

BNA_G

ClientSampleId :

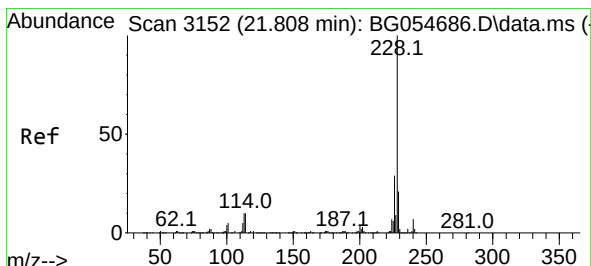
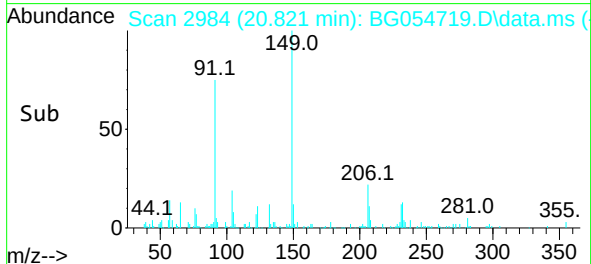
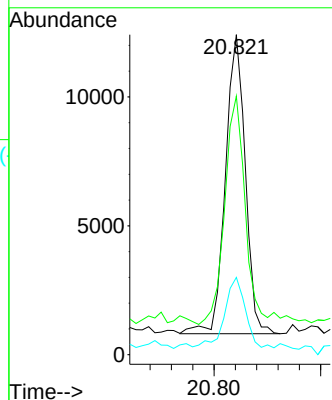
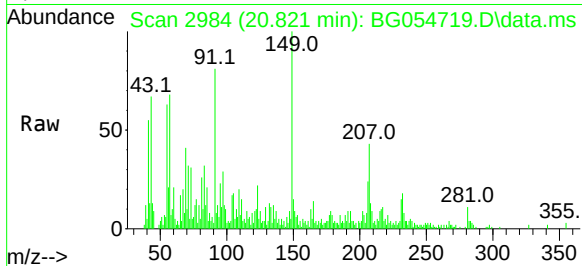
BLDG-19CDL

Tgt Ion:149 Resp: 1503
Ion Ratio Lower Upper
149 100
91 80.8 59.5 89.3
206 24.2 16.6 25.0

Manual Integrations

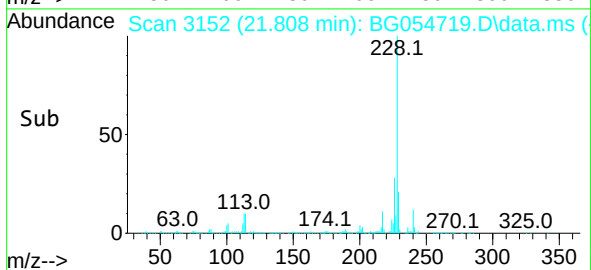
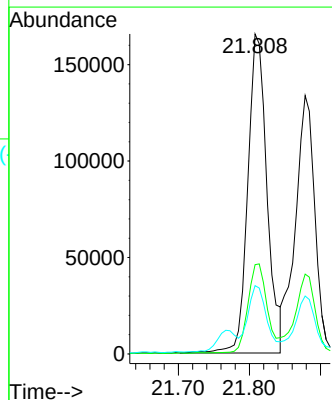
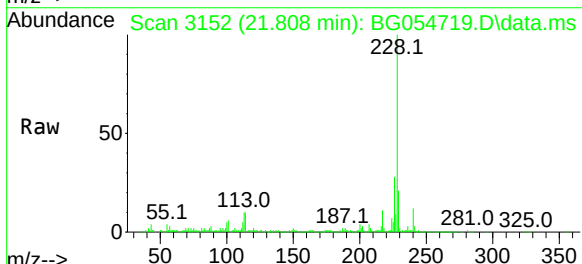
APPROVED

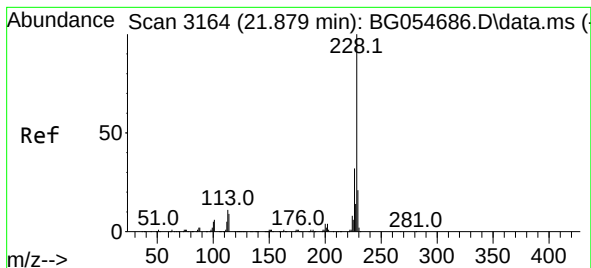
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022



#81
Benzo(a)anthracene
Concen: 14.896 ng
RT: 21.808 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Tgt Ion:228 Resp: 310903
Ion Ratio Lower Upper
228 100
226 27.9 23.4 35.2
229 21.3 16.5 24.7





#83

Chrysene

Concen: 12.736 ng

RT: 21.878 min Scan# 3164

Delta R.T. -0.000 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Instrument :

BNA_G

ClientSampleId :

BLDG-19CDL

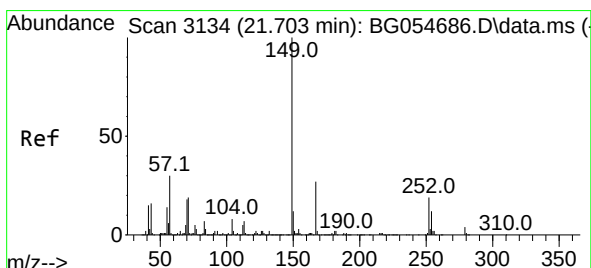
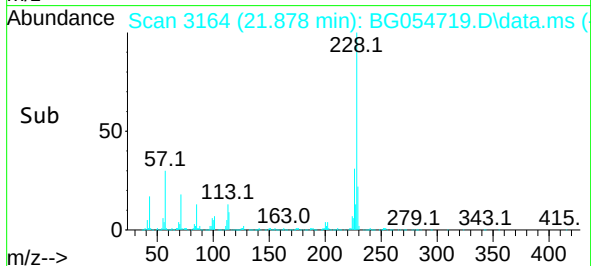
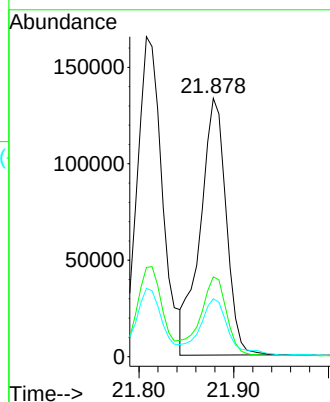
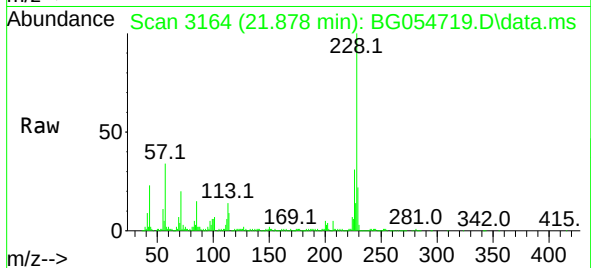
Tgt Ion:	228	Resp:	252970
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.5	38.3
229	22.4	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/25/2022

Supervised By :Jagrut Upadhyay 08/25/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.026 ng

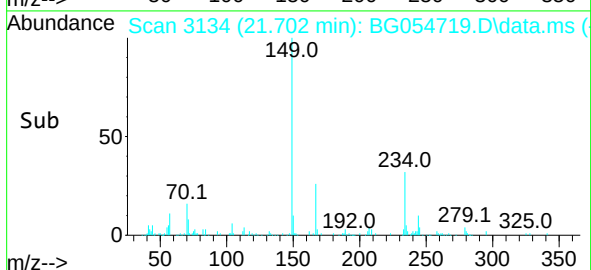
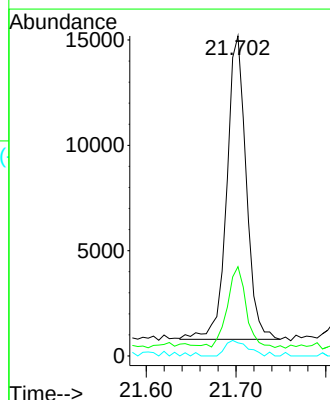
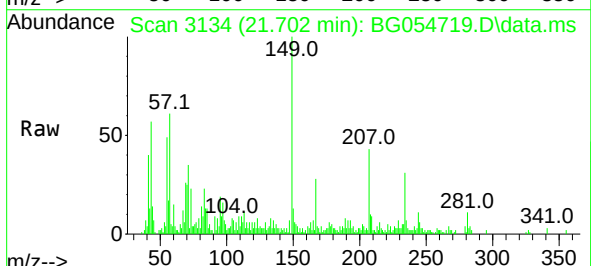
RT: 21.702 min Scan# 3134

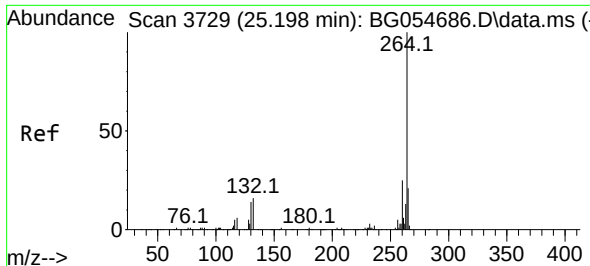
Delta R.T. -0.001 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Tgt Ion:	149	Resp:	21643
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.4	32.0
279	4.1	3.1	4.7





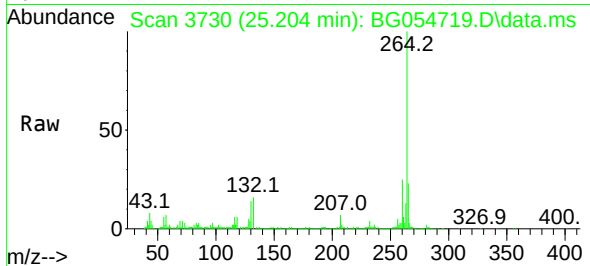
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.204 min Scan# 31
 Delta R.T. 0.005 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

Instrument :

BNA_G

ClientSampleId :

BLDG-19CDL

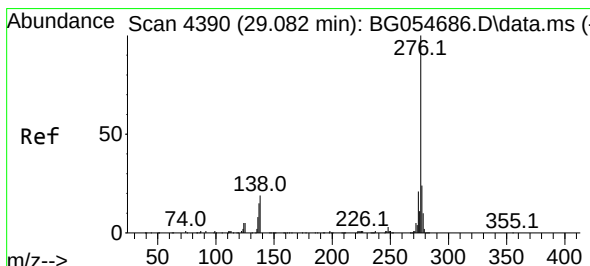
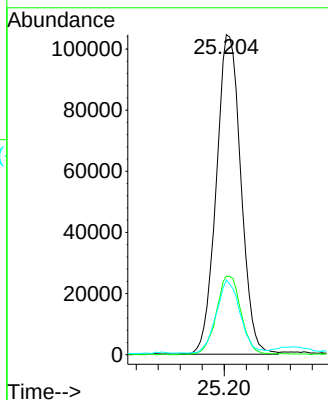
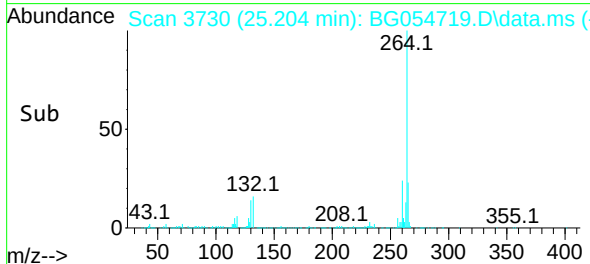


Tgt Ion:264 Resp: 324530
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.9 29.9
 265 23.3 16.9 25.3

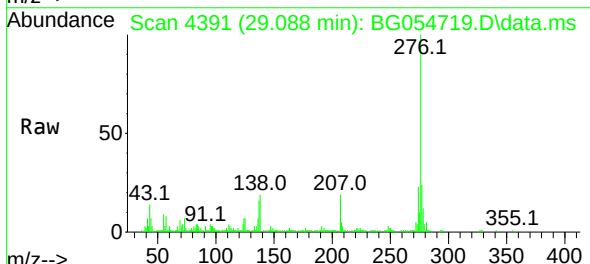
Manual Integrations

APPROVED

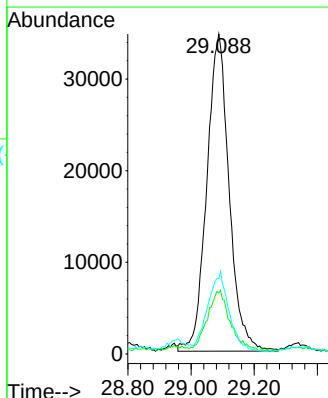
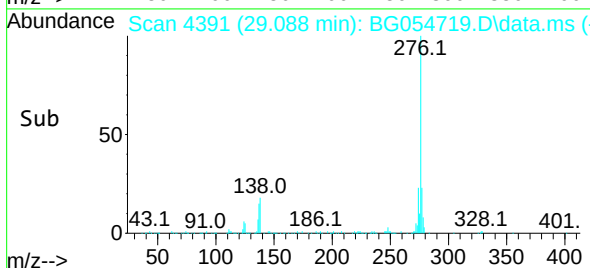
Reviewed By :Christian Giraldo 08/25/2022
 Supervised By :Jagrut Upadhyay 08/25/2022

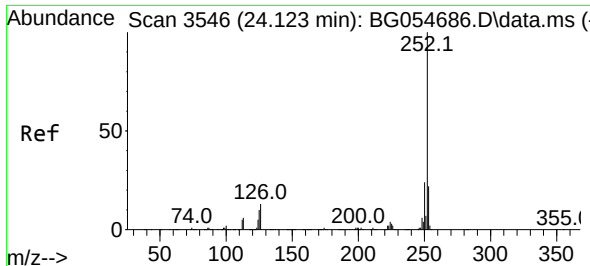


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.024 ng
 RT: 29.088 min Scan# 4391
 Delta R.T. 0.005 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06



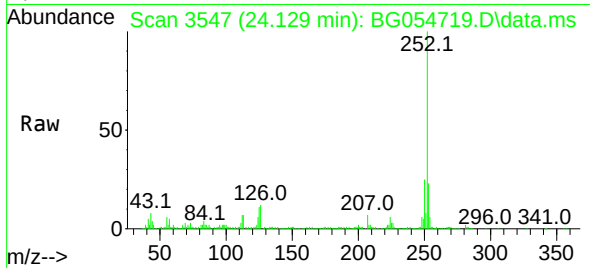
Tgt Ion:276 Resp: 170104
 Ion Ratio Lower Upper
 276 100
 138 19.7 12.0 18.0#
 277 24.4 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 16.076 ng
RT: 24.129 min Scan# 3546
Delta R.T. 0.005 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

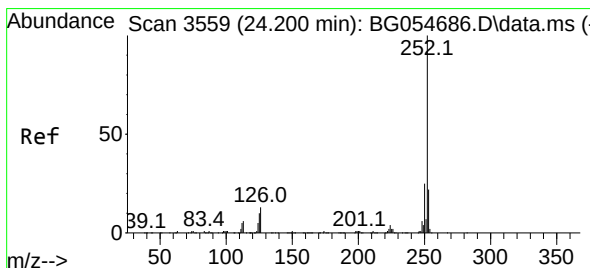
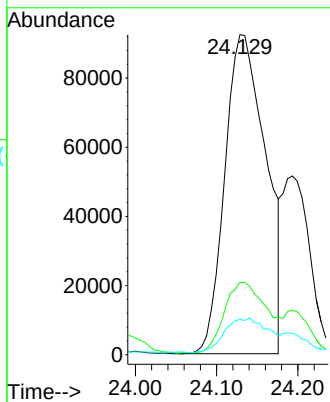
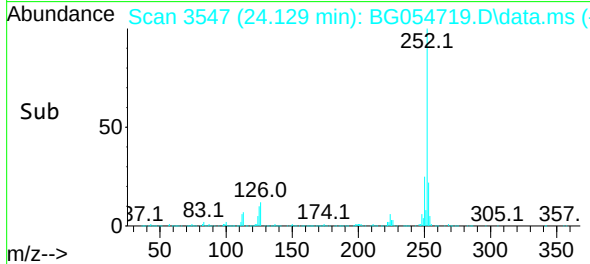
Instrument :
BNA_G
ClientSampleId :
BLDG-19CDL



Tgt Ion:252 Resp: 32394
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 11.0 8.1 12.1

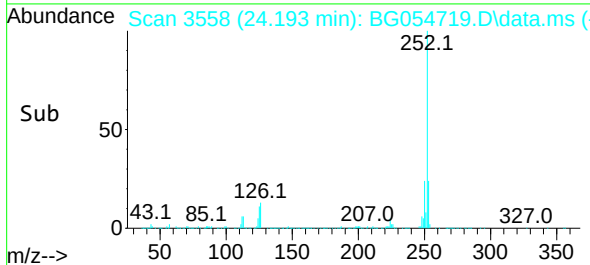
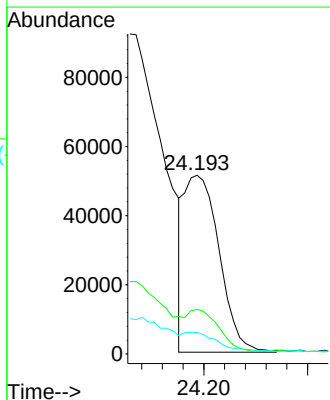
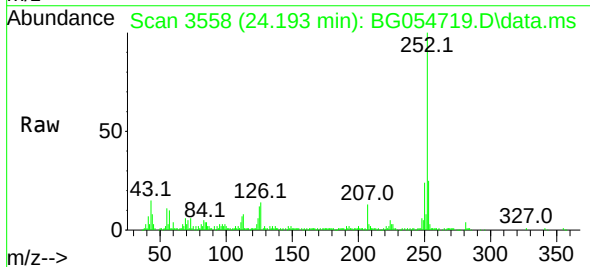
Manual Integrations
APPROVED

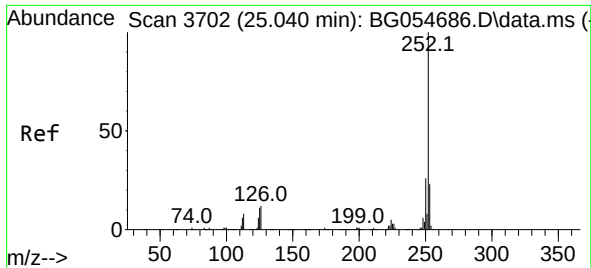
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022



#89
Benzo(k)fluoranthene
Concen: 5.753 ng m
RT: 24.193 min Scan# 3558
Delta R.T. -0.006 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

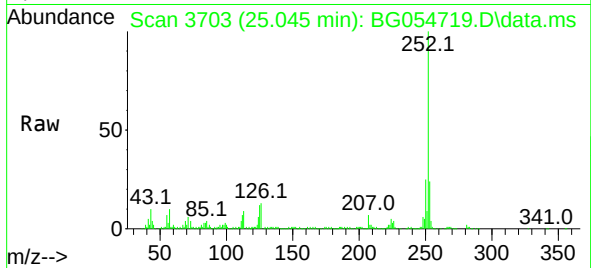
Tgt Ion:252 Resp: 119642
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 12.0 8.2 12.4





#90
Benzo(a)pyrene
Concen: 14.368 ng
RT: 25.045 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

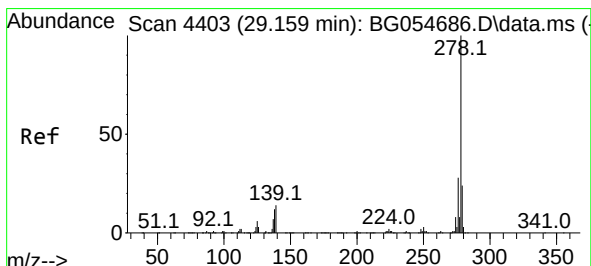
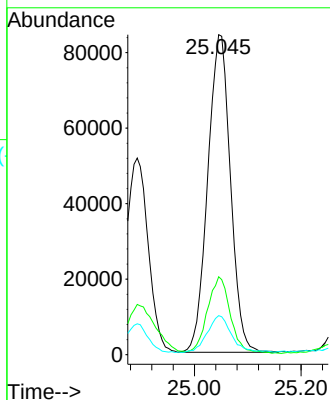
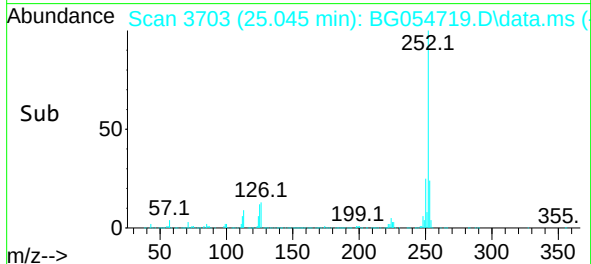
Instrument :
BNA_G
ClientSampleId :
BLDG-19CDL



Tgt Ion:252 Resp: 24850
Ion Ratio Lower Upper
252 100
253 24.3 18.3 27.5
125 12.2 8.8 13.2

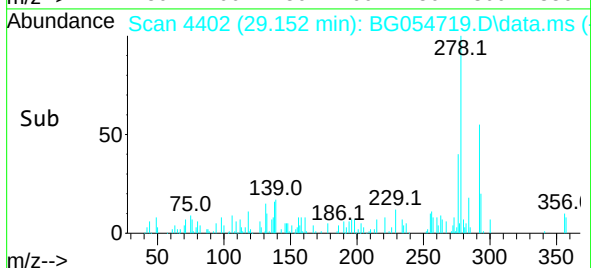
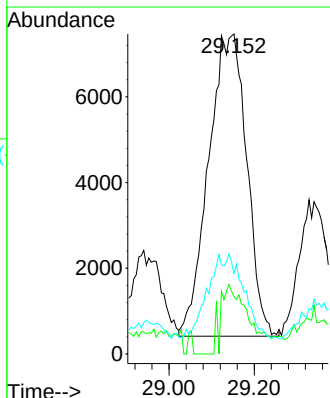
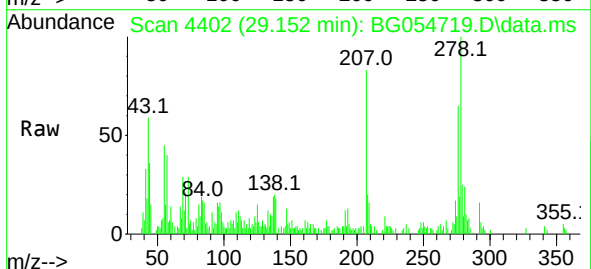
Manual Integrations
APPROVED

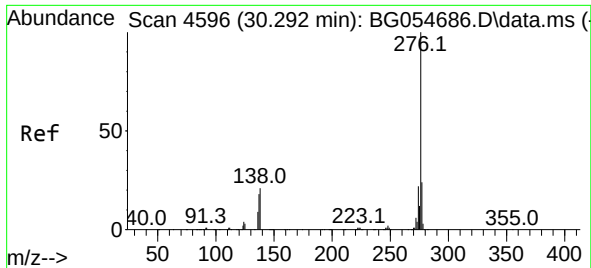
Reviewed By :Christian Giraldo 08/25/2022
Supervised By :Jagrut Upadhyay 08/25/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.205 ng m
RT: 29.152 min Scan# 4402
Delta R.T. -0.006 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Tgt Ion:278 Resp: 43860
Ion Ratio Lower Upper
278 100
139 17.9 11.4 17.2#
279 25.2 19.3 28.9





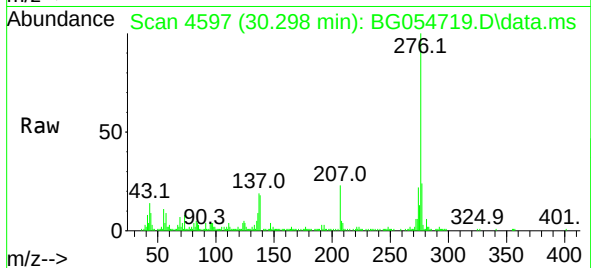
#92
 Benzo(g,h,i)perylene
 Concen: 8.293 ng
 RT: 30.298 min Scan# 4597
 Delta R.T. 0.006 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

Instrument :

BNA_G

ClientSampleId :

BLDG-19CDL



Tgt Ion:276 Resp: 161289
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.4 29.0
 138 18.3 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/25/2022
 Supervised By :Jagrut Upadhyay 08/25/2022

