

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
 Data File : BG054858.D
 Acq On : 6 Sep 2022 19:17
 Operator : CG/JU
 Sample : N4500-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-25-COMP

Quant Time: Sep 07 04:59:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/07/2022
 Supervised By : Jagrut Upadhyay 09/07/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	53599	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	219516	20.000	ng	0.00
39) Acenaphthene-d10	14.782	164	140781	20.000	ng	0.00
64) Phenanthrene-d10	17.526	188	293656	20.000	ng	0.00
76) Chrysene-d12	21.821	240	263927	20.000	ng	0.00
86) Perylene-d12	25.200	264	282689	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	313967	102.004	ng	0.00
7) Phenol-d6	7.309	99	426567	101.336	ng	0.01
23) Nitrobenzene-d5	9.324	82	263351	62.979	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	178412	101.419	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	639811	68.308	ng	0.00
79) Terphenyl-d14	20.129	244	889626	66.787	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.567	178	83103	5.312	ng	98
75) Fluoranthene	19.577	202	287612	15.114	ng	98
78) Pyrene	19.941	202	272352	14.799	ng	98
81) Benzo(a)anthracene	21.804	228	159741	8.927	ng	98
83) Chrysene	21.868	228	178684	10.443	ng	99
84) Bis(2-ethylhexyl)phtha...	21.680	149	47603	4.304	ng	99
87) Indeno(1,2,3-cd)pyrene	29.077	276	142782	6.653	ng	95
88) Benzo(b)fluoranthene	24.119	252	271027	15.283	ng	99
89) Benzo(k)fluoranthene	24.183	252	91518m	5.128	ng	
90) Benzo(a)pyrene	25.035	252	183945	12.141	ng	99
92) Benzo(g,h,i)perylene	30.305	276	148110	8.385	ng	96

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

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ALS Vial : 10 Sample Multiplier: 1

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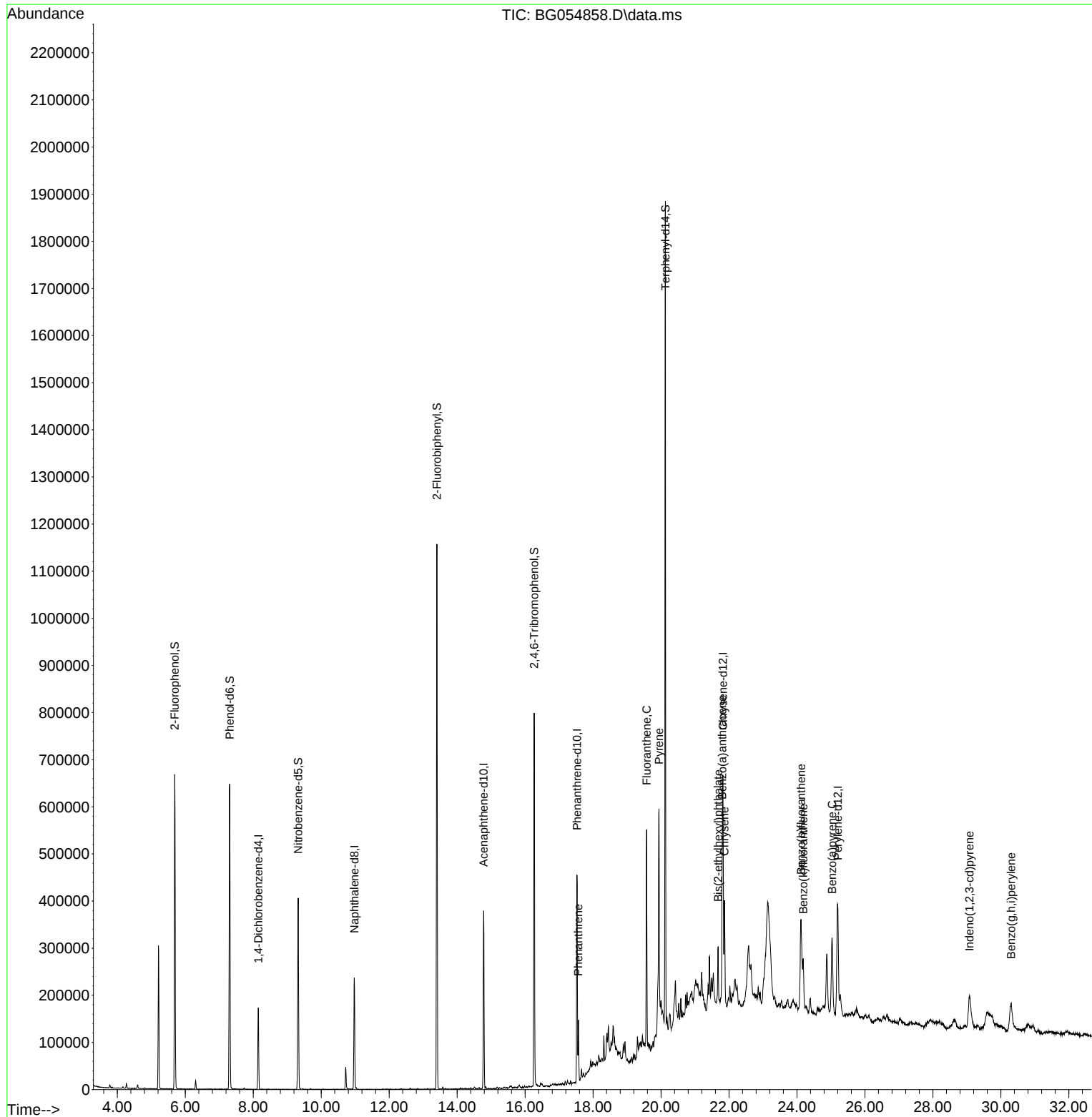
SB-25-COMP

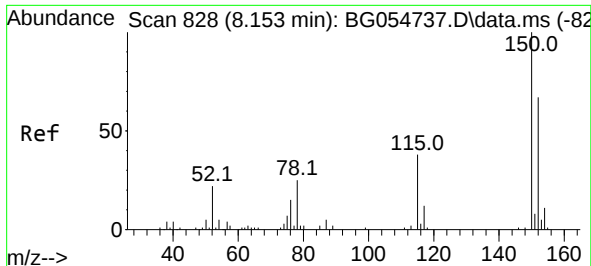
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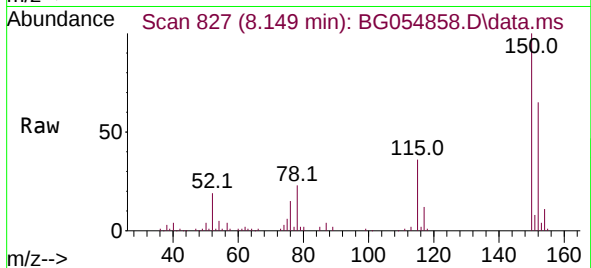
Quant Time: Sep 07 04:59:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

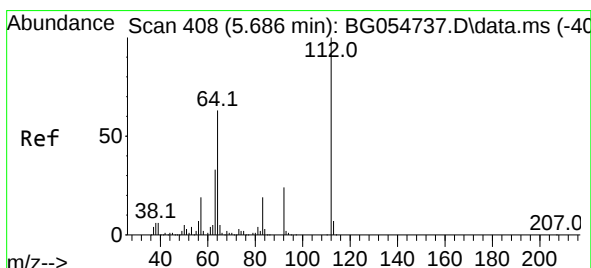
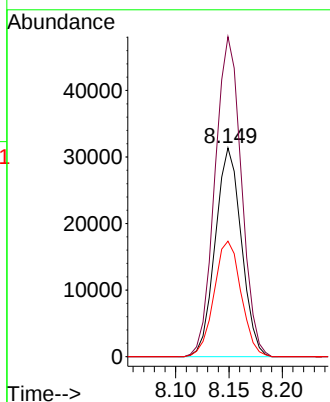
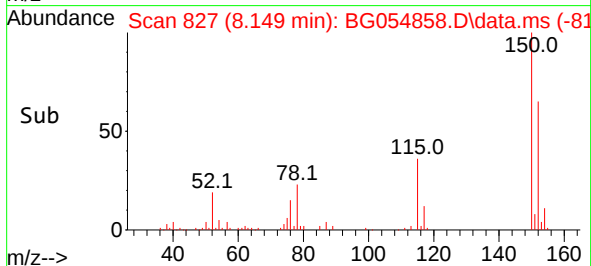
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP



Tgt Ion:152 Resp: 53599
Ion Ratio Lower Upper
152 100
150 153.3 125.2 187.8
115 55.3 47.9 71.9

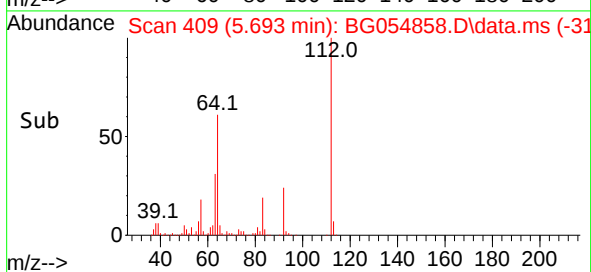
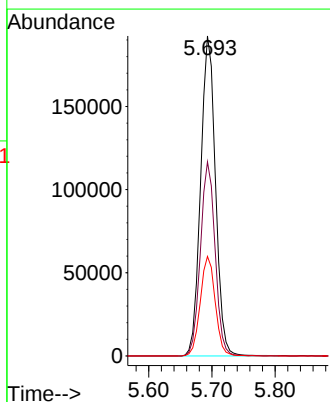
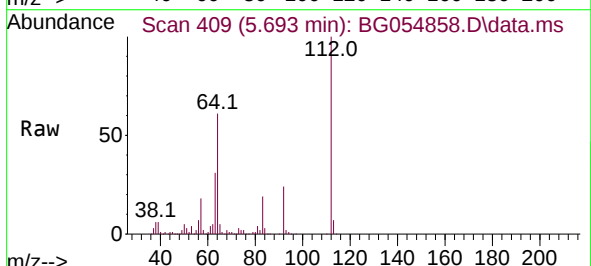
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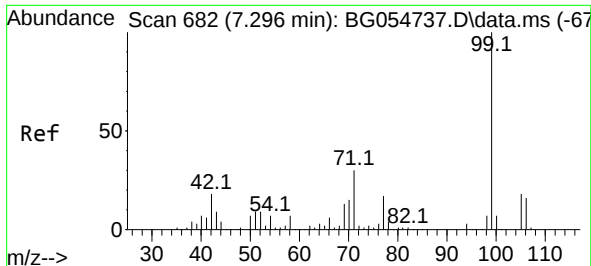
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#5
2-Fluorophenol
Concen: 102.004 ng
RT: 5.693 min Scan# 409
Delta R.T. 0.007 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

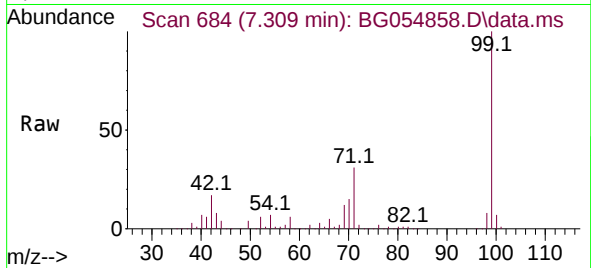
Tgt Ion:112 Resp: 313967
Ion Ratio Lower Upper
112 100
64 60.6 49.3 73.9
63 31.1 26.3 39.5





#7
Phenol-d6
Concen: 101.336 ng
RT: 7.309 min Scan# 682
Delta R.T. 0.013 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

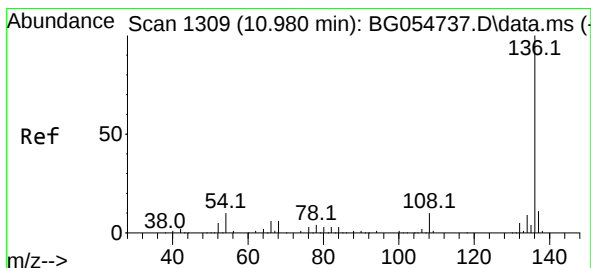
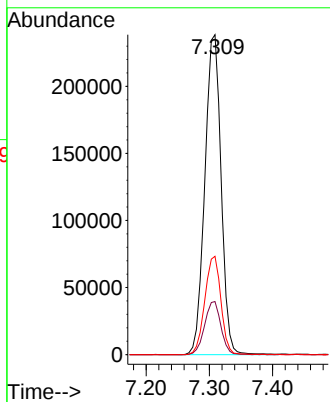
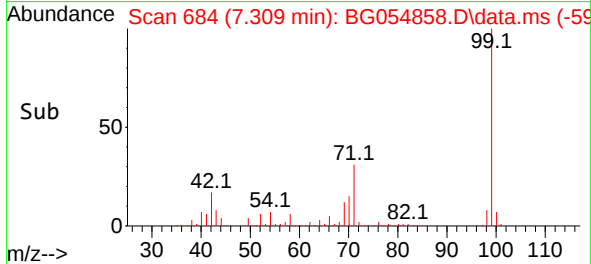
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP



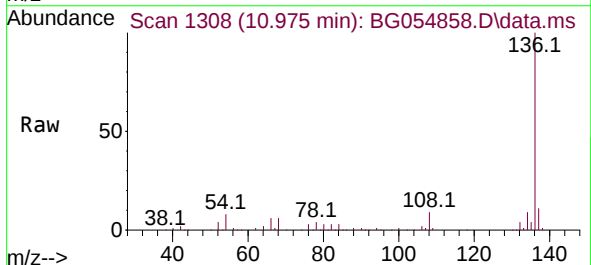
Tgt Ion: 99 Resp: 426562
Ion Ratio Lower Upper
99 100
42 16.6 14.6 22.0
71 30.7 24.6 37.0

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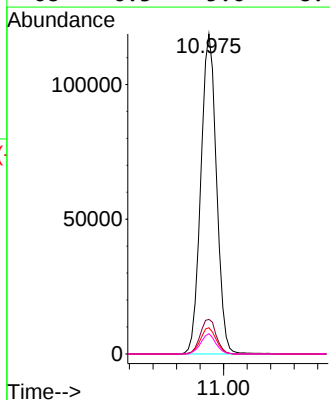
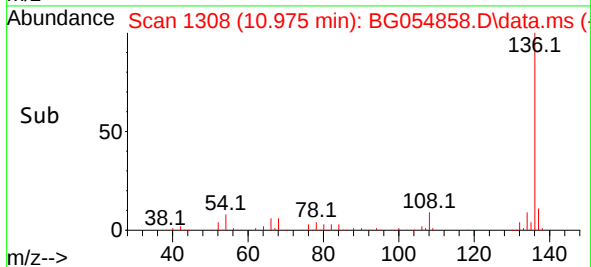
Reviewed By :Christian Giraldo 09/07/2022
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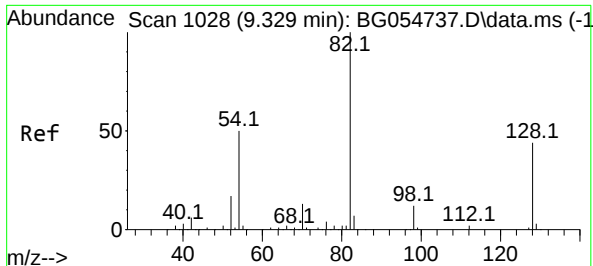


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1308
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17



Tgt Ion:136 Resp: 219516
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.2 7.7 11.5
68 6.3 5.6 8.4





#23

Nitrobenzene-d5

Concen: 62.979 ng

RT: 9.324 min Scan# 1027

Delta R.T. -0.005 min

Lab File: BG054858.D

Acq: 6 Sep 2022 19:17

Instrument :

BNA_G

ClientSampleId :

SB-25-COMP

Tgt Ion: 82 Resp: 26335

Ion Ratio Lower Upper

82 100

128 46.1 32.2 48.2

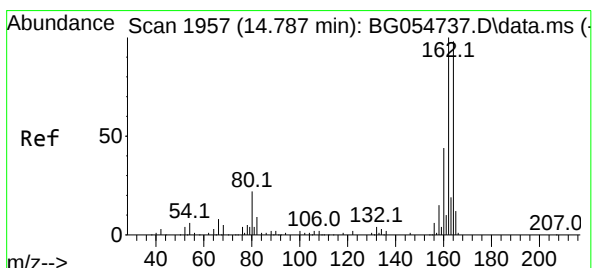
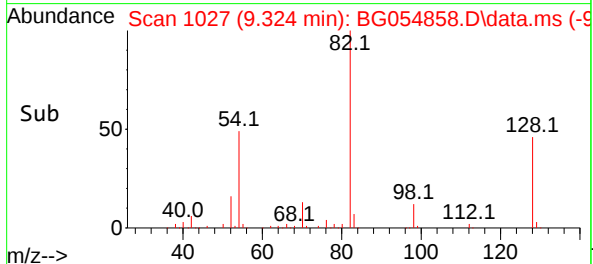
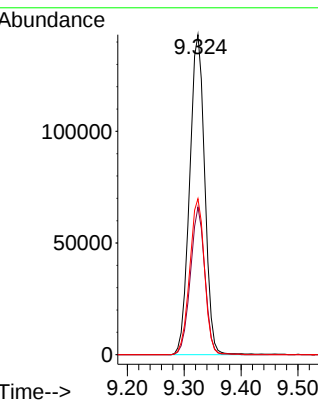
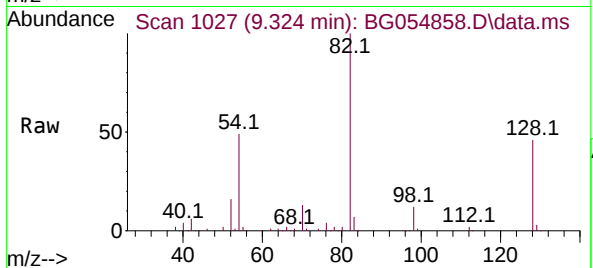
54 48.7 41.4 62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.782 min Scan# 1956

Delta R.T. -0.005 min

Lab File: BG054858.D

Acq: 6 Sep 2022 19:17

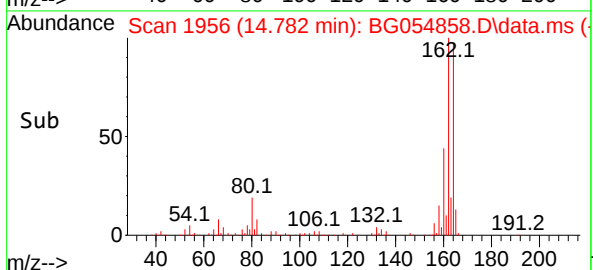
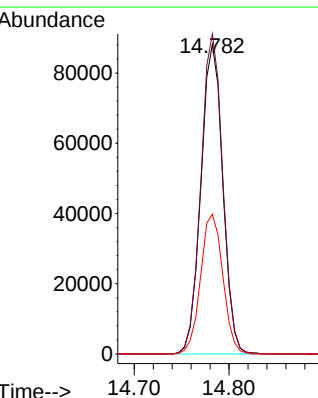
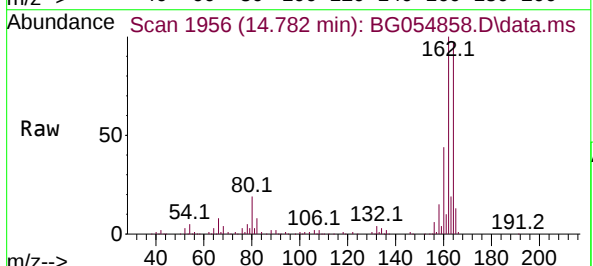
Tgt Ion:164 Resp: 140781

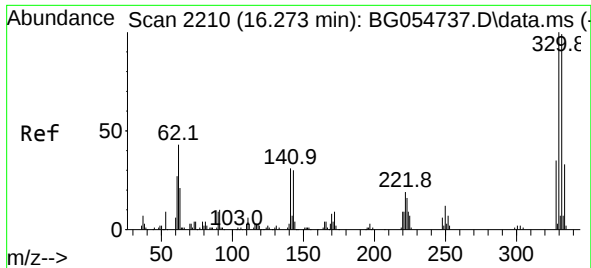
Ion Ratio Lower Upper

164 100

162 103.4 83.0 124.4

160 45.1 38.0 57.0





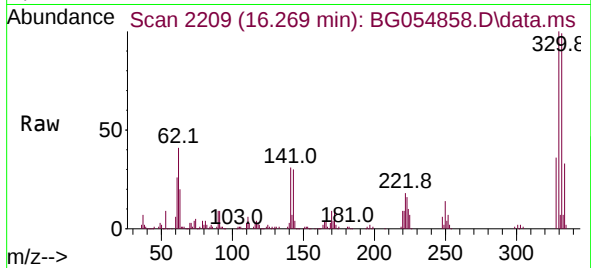
#42
2,4,6-Tribromophenol
Concen: 101.419 ng
RT: 16.269 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Instrument :

BNA_G

ClientSampleId :

SB-25-COMP

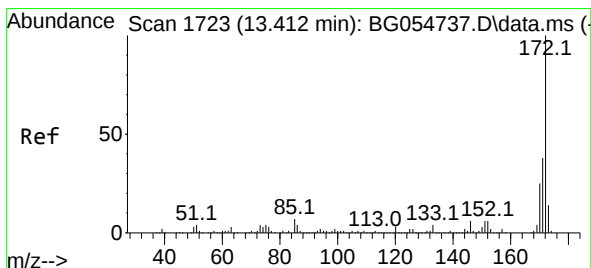
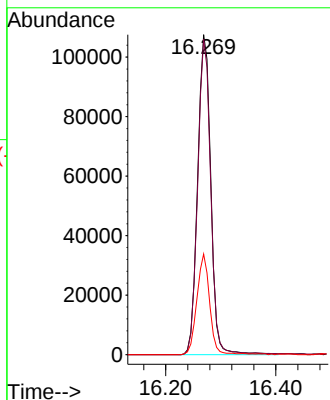
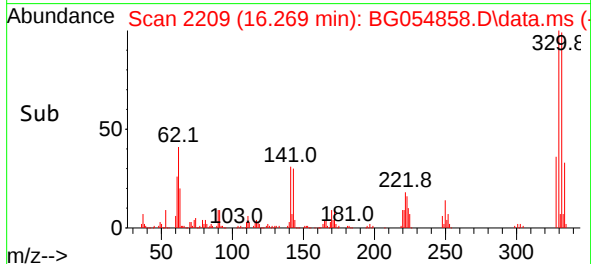


Tgt Ion:330 Resp: 178412
Ion Ratio Lower Upper
330 100
332 96.9 79.8 119.6
141 30.3 26.8 40.2

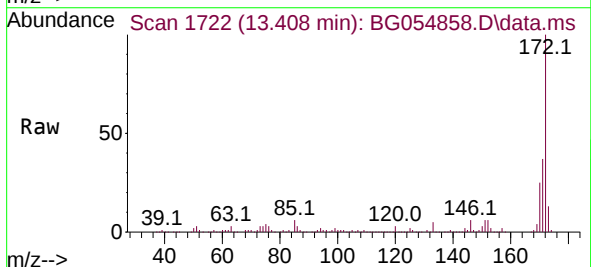
Manual Integrations

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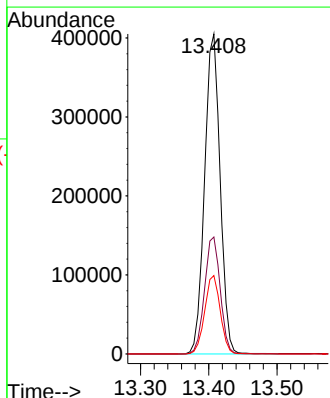
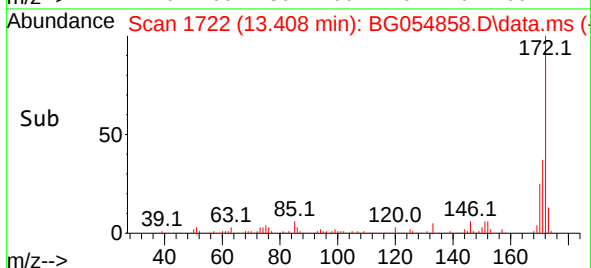
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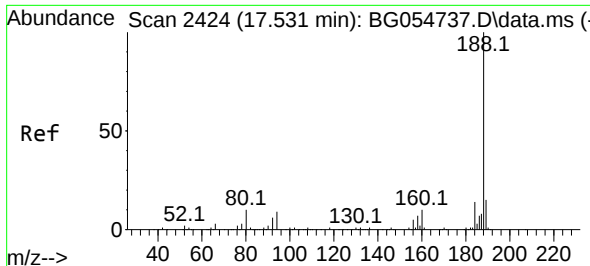


#45
2-Fluorobiphenyl
Concen: 68.308 ng
RT: 13.408 min Scan# 1722
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17



Tgt Ion:172 Resp: 639811
Ion Ratio Lower Upper
172 100
171 36.5 31.2 46.8
170 24.5 20.6 30.8





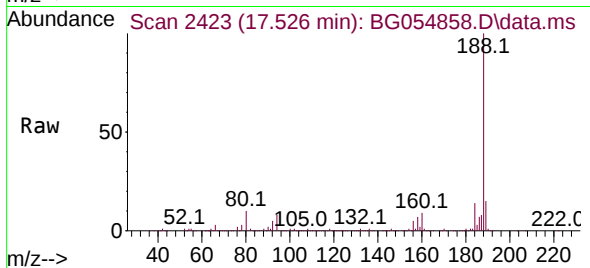
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.526 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Instrument :

BNA_G

ClientSampleId :

SB-25-COMP

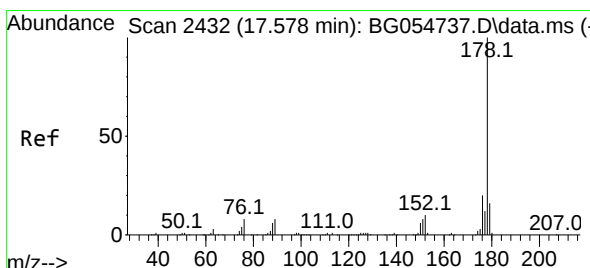
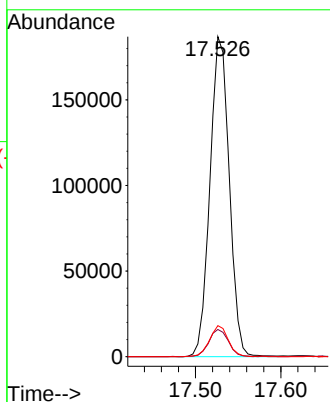
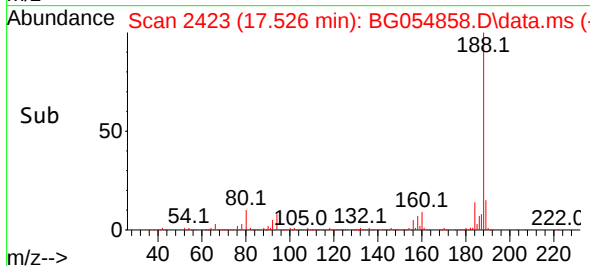


Tgt Ion:188 Resp: 293656
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.4
80 9.7 7.9 11.9

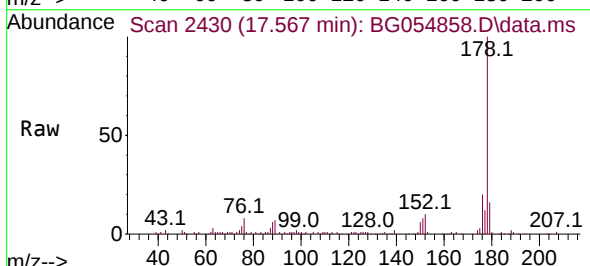
Manual Integrations

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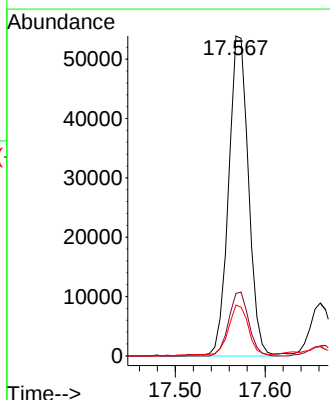
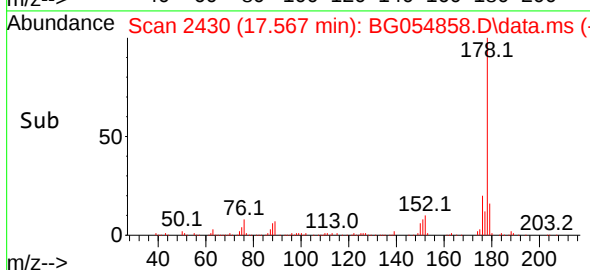
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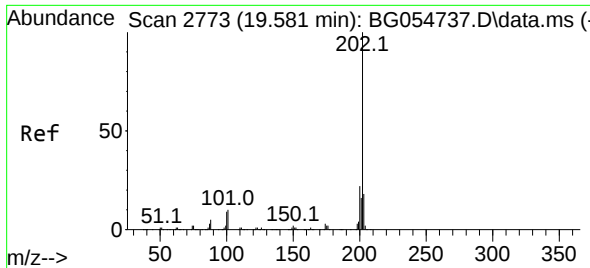


#71
Phenanthrene
Concen: 5.312 ng
RT: 17.567 min Scan# 2430
Delta R.T. -0.010 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17



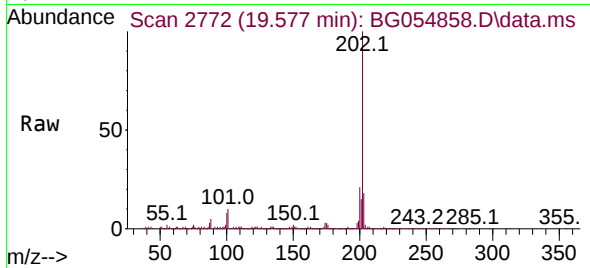
Tgt Ion:178 Resp: 83103
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 15.9 12.8 19.2





#75
Fluoranthene
Concen: 15.114 ng
RT: 19.577 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

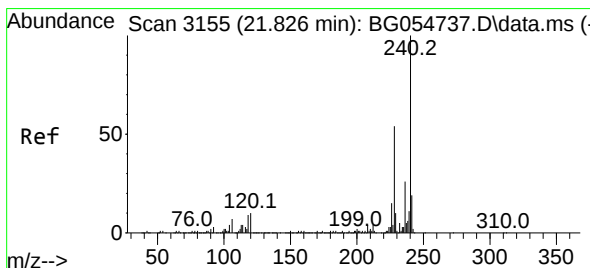
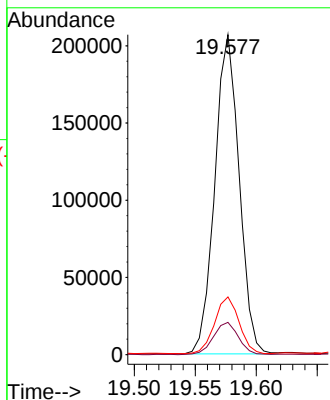
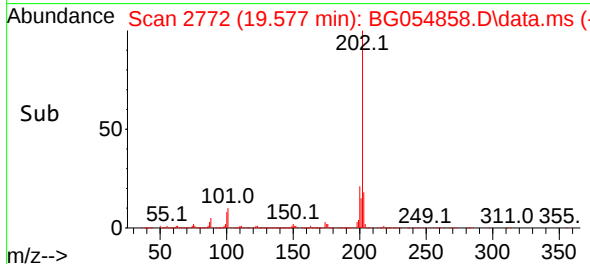
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP



Tgt Ion:202 Resp: 287612
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 18.0 0.0 38.6

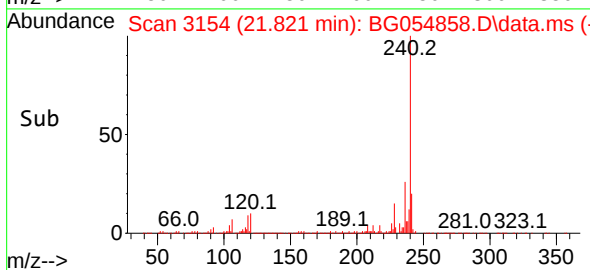
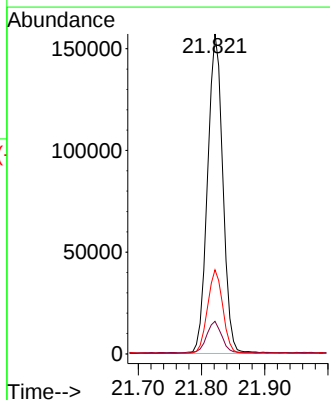
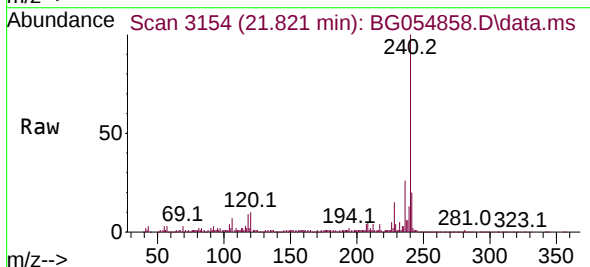
Manual Integrations
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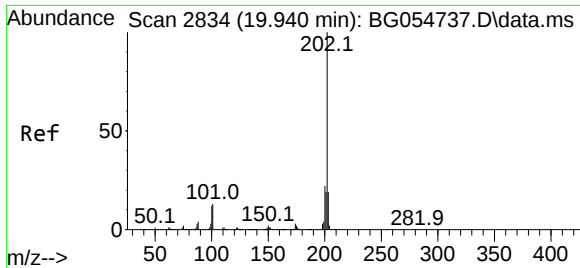
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.821 min Scan# 3154
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

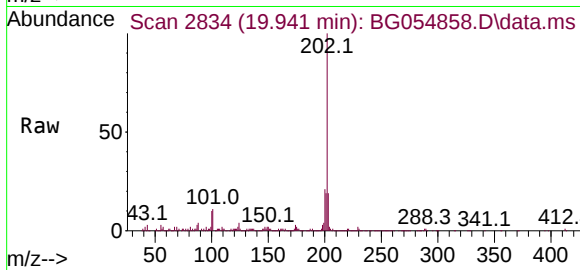
Tgt Ion:240 Resp: 263927
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.4
236 26.3 21.2 31.8





#78
Pyrene
Concen: 14.799 ng
RT: 19.941 min Scan# 2834
Delta R.T. 0.001 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

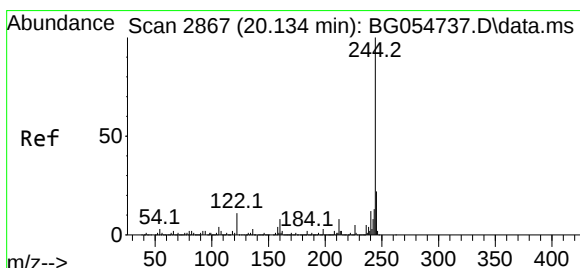
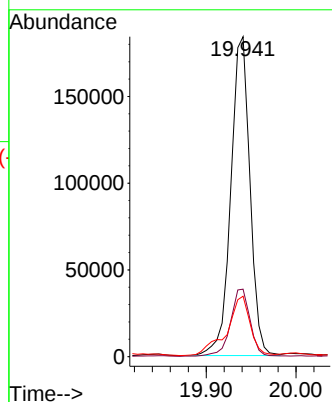
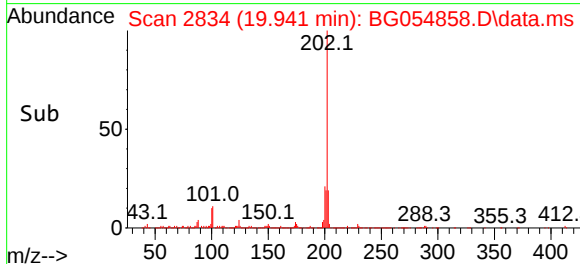
Instrument :
BNA_G
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SB-25-COMP



Tgt Ion:202 Resp: 272352
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.6
203 18.9 14.6 21.8

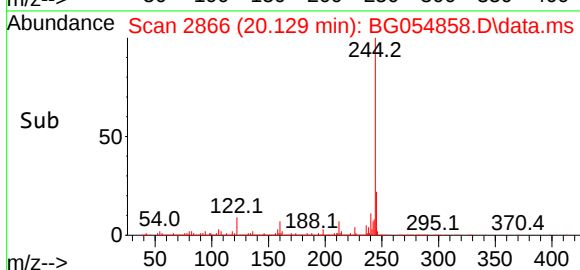
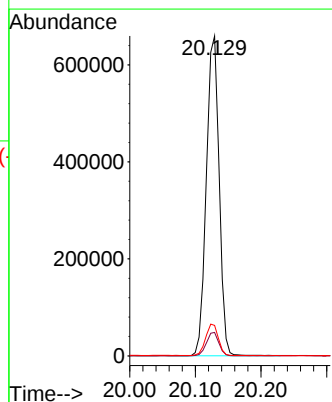
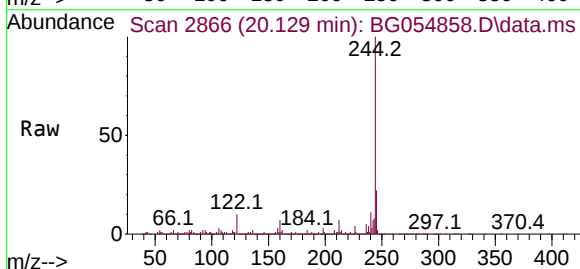
Manual Integrations
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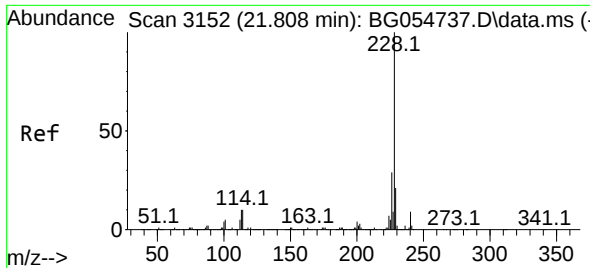
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#79
Terphenyl-d14
Concen: 66.787 ng
RT: 20.129 min Scan# 2866
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

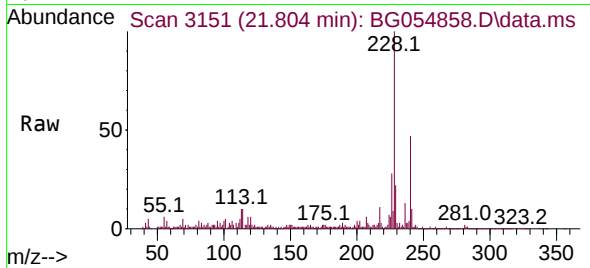
Tgt Ion:244 Resp: 889626
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 9.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 8.927 ng
RT: 21.804 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

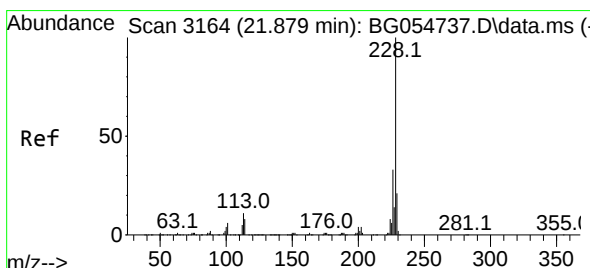
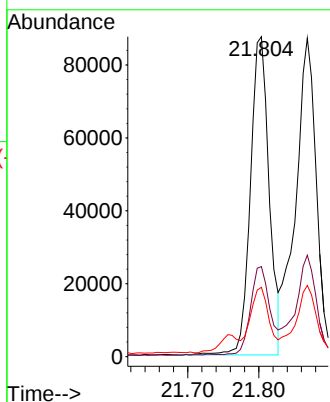
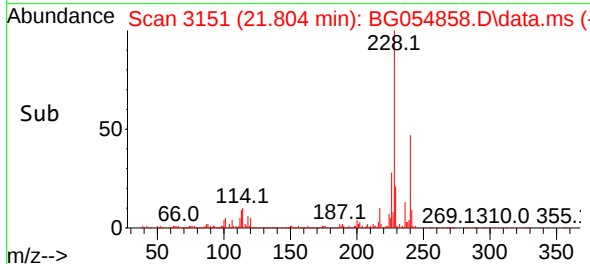
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP



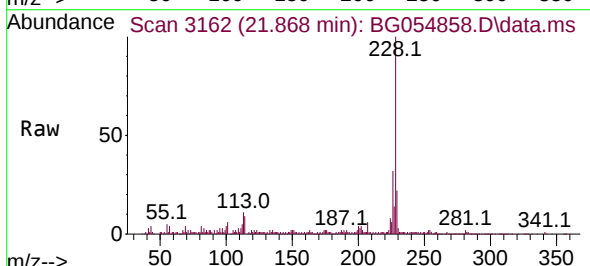
Tgt Ion:228 Resp: 159741
Ion Ratio Lower Upper
228 100
226 28.1 23.4 35.2
229 21.7 16.5 24.7

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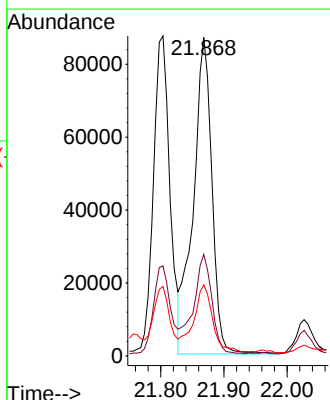
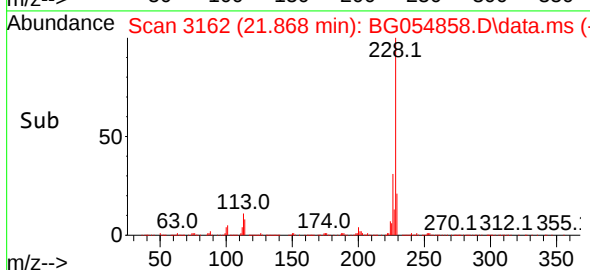
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

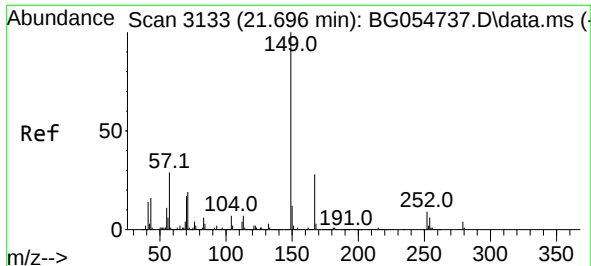


#83
Chrysene
Concen: 10.443 ng
RT: 21.868 min Scan# 3162
Delta R.T. -0.010 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17



Tgt Ion:228 Resp: 178684
Ion Ratio Lower Upper
228 100
226 31.8 25.5 38.3
229 22.3 16.8 25.2





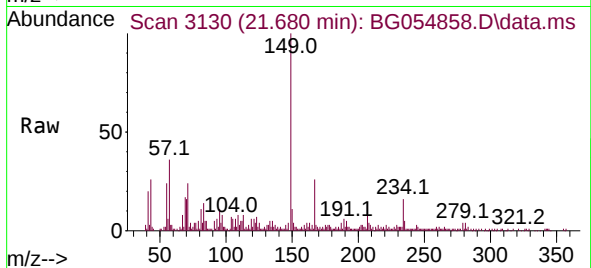
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.304 ng
RT: 21.680 min Scan# 3133
Delta R.T. -0.016 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Instrument :

BNA_G

ClientSampleId :

SB-25-COMP

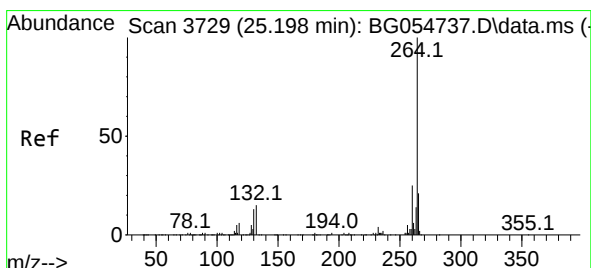
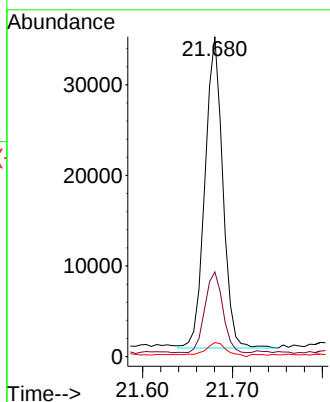
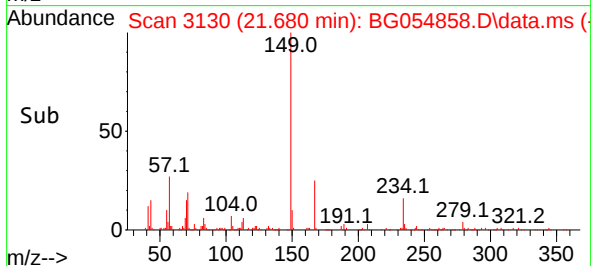


Tgt Ion:149 Resp: 47603
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.4 3.1 4.7

Manual Integrations

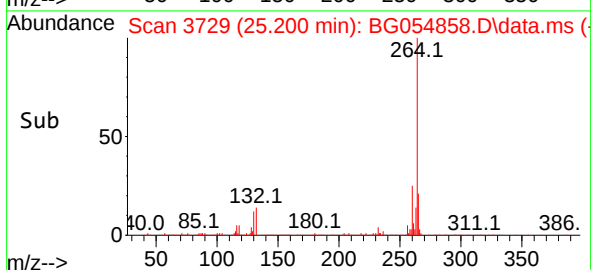
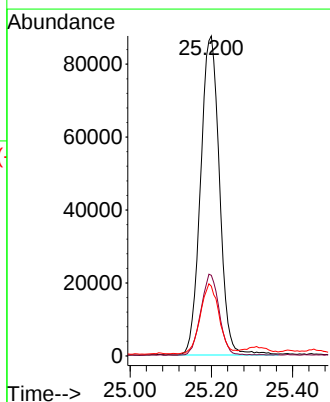
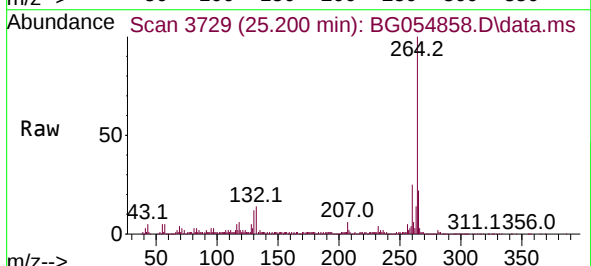
APPROVED

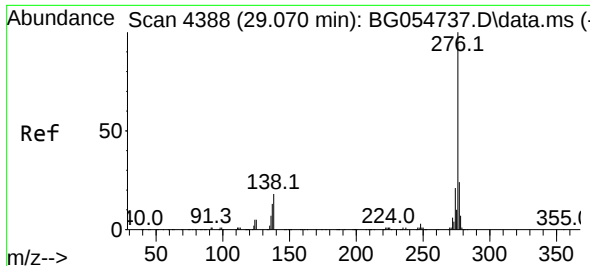
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.200 min Scan# 3729
Delta R.T. 0.001 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

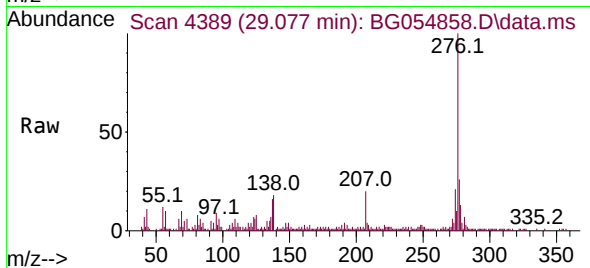
Tgt Ion:264 Resp: 282689
Ion Ratio Lower Upper
264 100
260 25.2 19.9 29.9
265 21.8 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.653 ng
RT: 29.077 min Scan# 4388
Delta R.T. 0.007 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

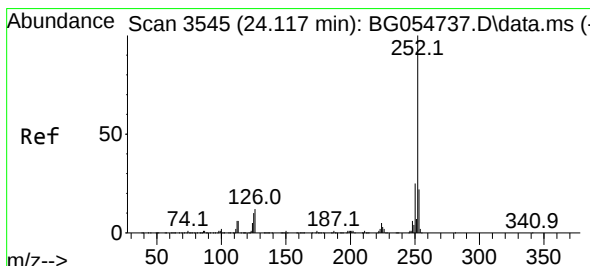
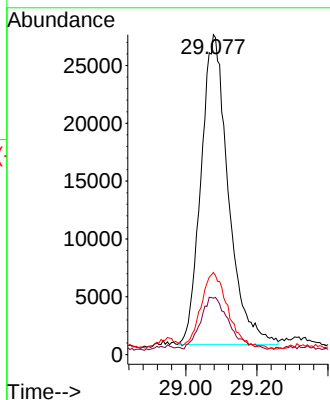
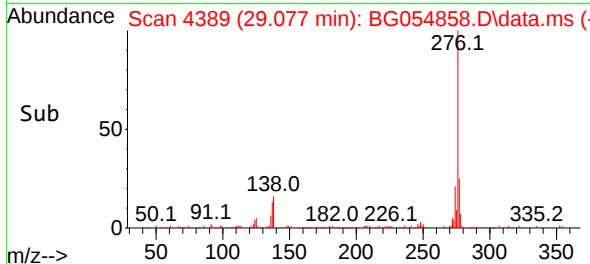
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP



Tgt Ion:276 Resp: 142782
Ion Ratio Lower Upper
276 100
138 17.1 12.0 18.0
277 23.0 20.2 30.4

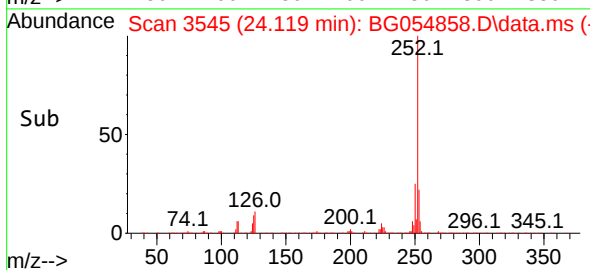
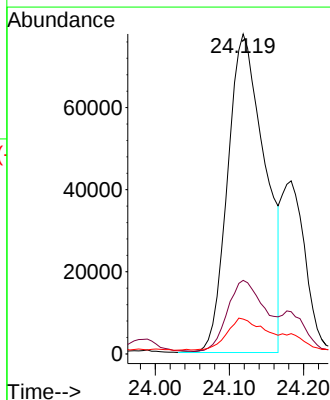
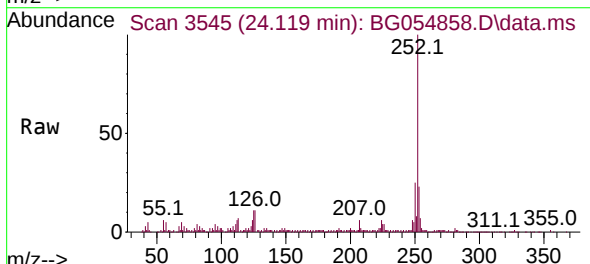
Manual Integrations
APPROVED

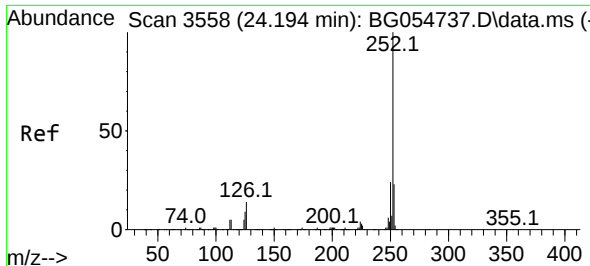
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#88
Benzo(b)fluoranthene
Concen: 15.283 ng
RT: 24.119 min Scan# 3545
Delta R.T. 0.001 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:252 Resp: 271027
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 10.9 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 5.128 ng m

RT: 24.183 min Scan# 3556

Delta R.T. -0.010 min

Lab File: BG054858.D

Acq: 6 Sep 2022 19:17

Instrument :

BNA_G

ClientSampleId :

SB-25-COMP

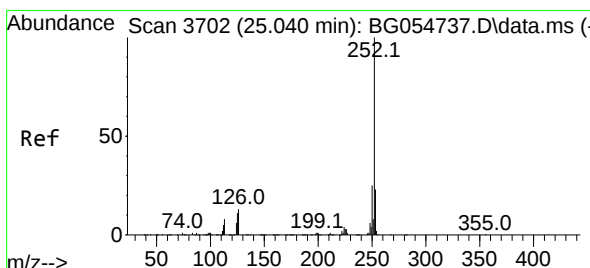
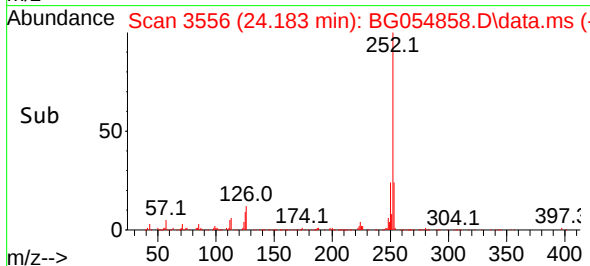
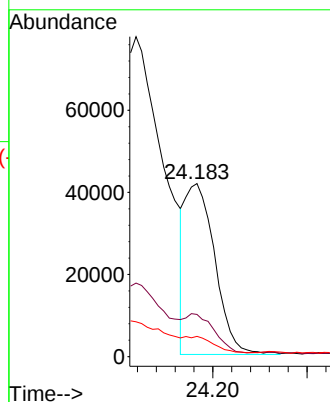
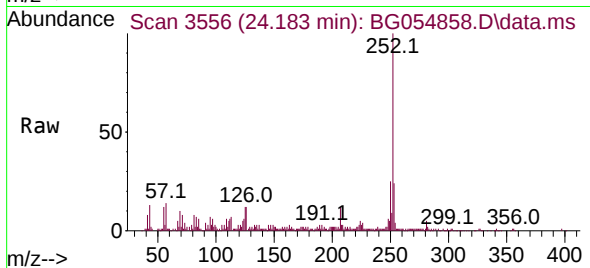
Tgt Ion:	252	Resp:	91518
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.8	26.8
125	11.7	8.2	12.4

Manual Integrations

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Reviewed By :Christian Giraldo 09/07/2022

Supervised By :Jagrut Upadhyay 09/07/2022



#90

Benzo(a)pyrene

Concen: 12.141 ng

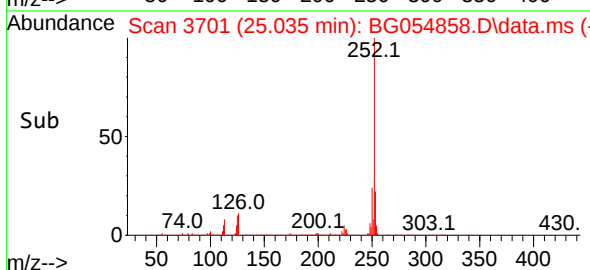
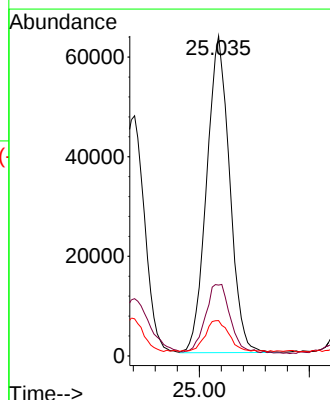
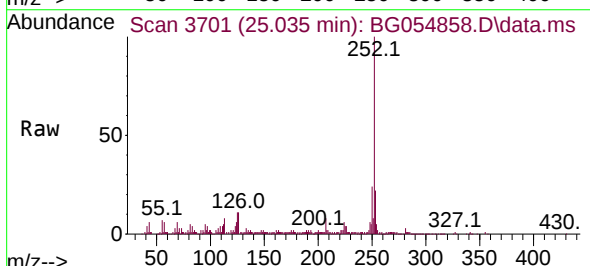
RT: 25.035 min Scan# 3701

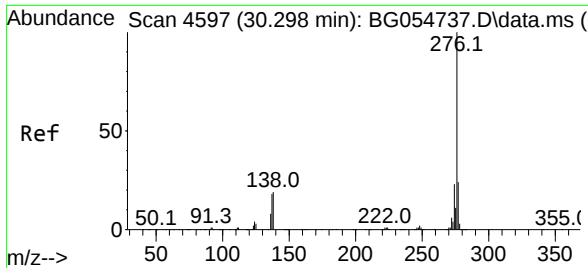
Delta R.T. -0.005 min

Lab File: BG054858.D

Acq: 6 Sep 2022 19:17

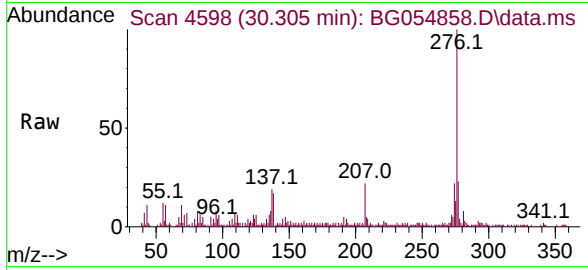
Tgt Ion:	252	Resp:	183945
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.3	27.5
125	11.1	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 8.385 ng
 RT: 30.305 min Scan# 4598
 Delta R.T. 0.007 min
 Lab File: BG054858.D
 Acq: 6 Sep 2022 19:17

Instrument :
 BNA_G
 ClientSampleId :
 SB-25-COMP



Tgt Ion:	276	Resp:	148110
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.4	29.0
138	17.1	16.6	25.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 09/07/2022
 Supervised By :Jagrut Upadhyay 09/07/2022

