

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122322\
 Data File : BG056087.D
 Acq On : 23 Dec 2022 20:36
 Operator : CG/JU
 Sample : N6088-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-27-5B02

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/24/2022
 Supervised By : Yogesh Patel 12/26/2022

Quant Time: Dec 24 01:41:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 05:09:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.353	152	9969	20.000	ng	0.00
21) Naphthalene-d8	11.185	136	37172	20.000	ng	# 0.00
39) Acenaphthene-d10	14.963	164	30732	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	79571	20.000	ng	0.00
76) Chrysene-d12	22.008	240	86571	20.000	ng	0.00
86) Perylene-d12	25.498	264	110855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.874	112	54216	127.542	ng	0.00
7) Phenol-d6	7.484	99	66250	121.178	ng	0.00
23) Nitrobenzene-d5	9.528	82	46557	87.526	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	87334	117.853	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	161581	73.739	ng	0.00
79) Terphenyl-d14	20.280	244	362031	73.910	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.238	128	4138	2.110	ng	99
49) Acenaphthylene	14.693	152	16369	6.059	ng	# 94
71) Phenanthrene	17.742	178	28202	6.763	ng	99
72) Anthracene	17.830	178	10809	2.620	ng	97
75) Fluoranthene	19.734	202	76821	13.156	ng	99
78) Pyrene	20.092	202	92655	17.687	ng	98
81) Benzo(a)anthracene	21.990	228	84485	13.869	ng	# 89
83) Chrysene	22.061	228	101460m	17.771	ng	
88) Benzo(b)fluoranthene	24.387	252	122640	17.094	ng	96
89) Benzo(k)fluoranthene	24.452	252	38959m	5.443	ng	
90) Benzo(a)pyrene	25.333	252	108171	17.837	ng	# 97

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

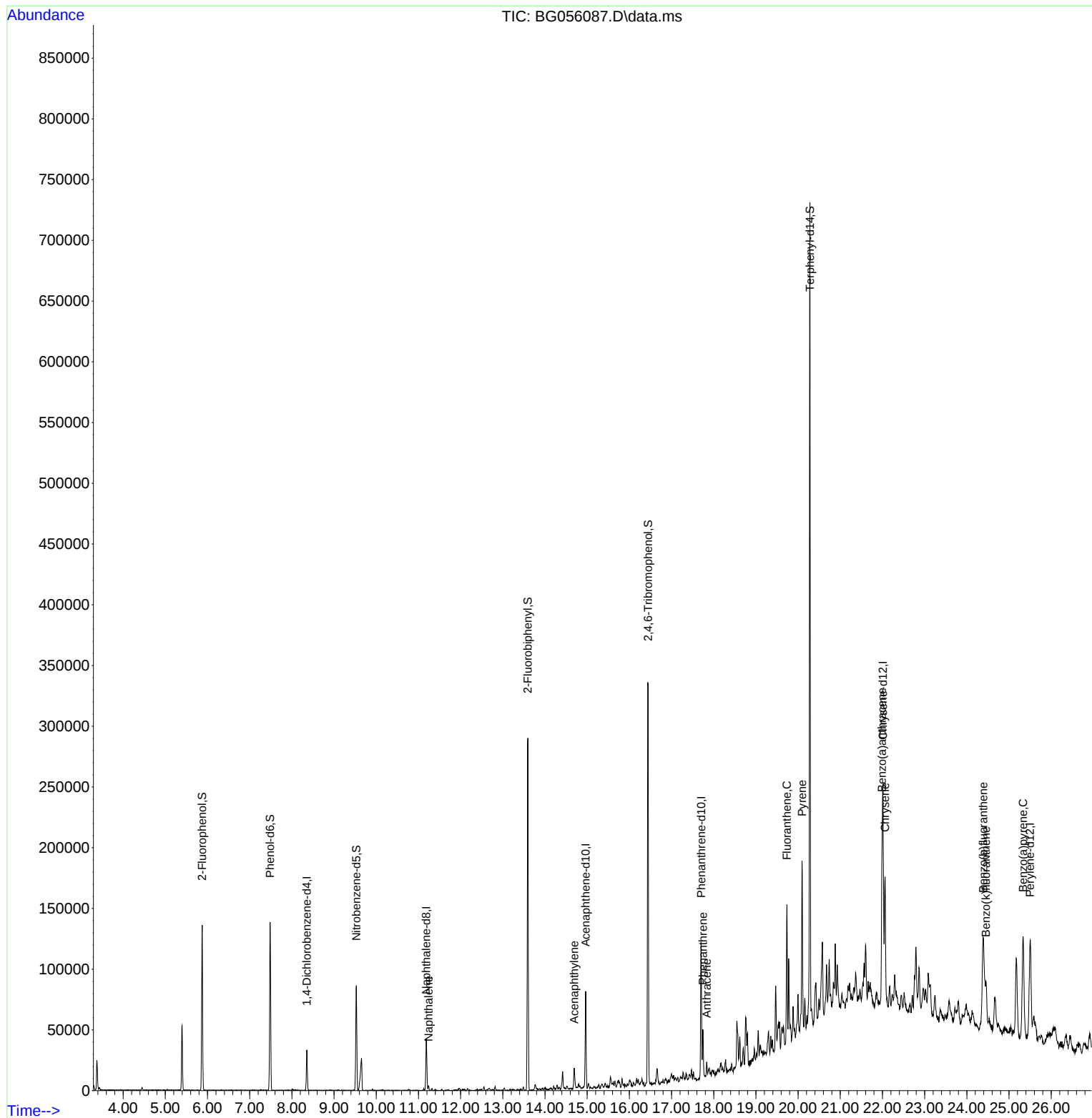
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122322\
Data File : BG056087.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

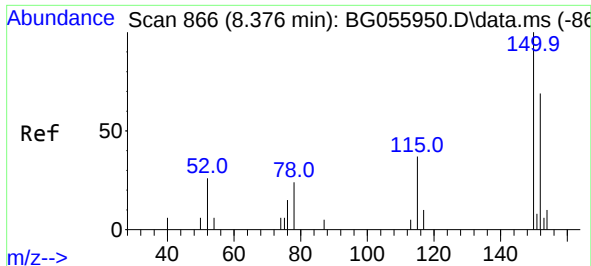
Instrument :
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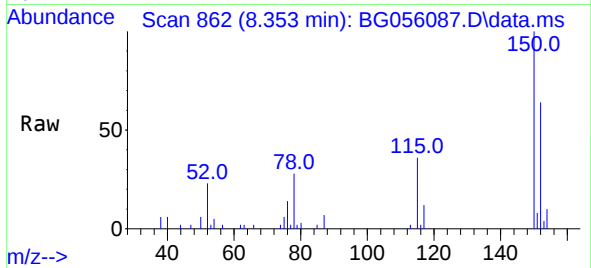
Quant Time: Dec 24 01:41:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:09:54 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.353 min Scan# 80
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

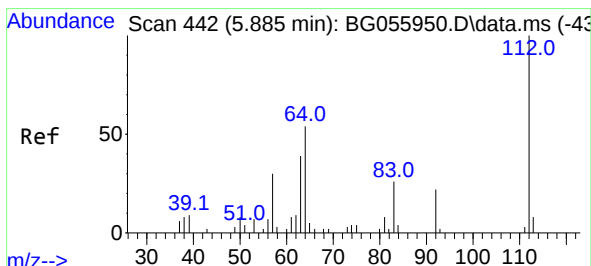
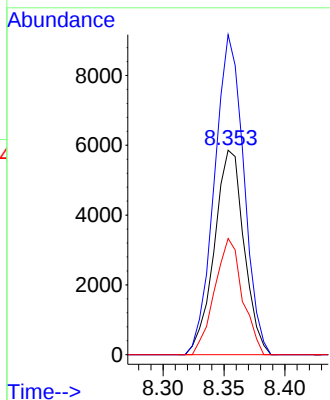
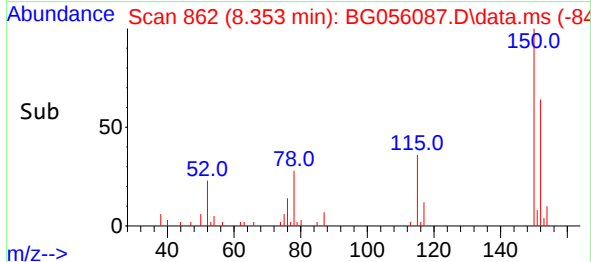
Instrument :
BNA_G
ClientSampleId :
B-27-5B02



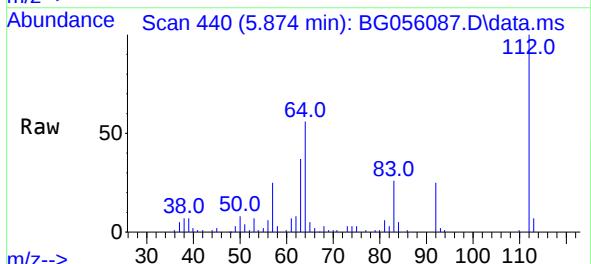
Tgt Ion:152 Resp: 996
Ion Ratio Lower Upper
152 100
150 156.5 115.7 173.5
115 56.8 43.0 64.4

Manual Integrations
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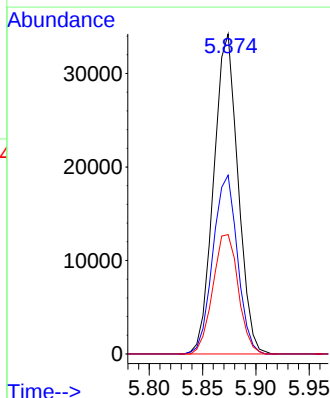
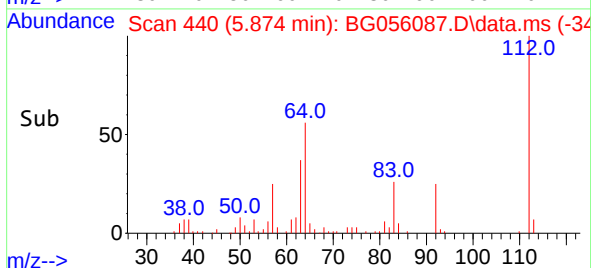
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022

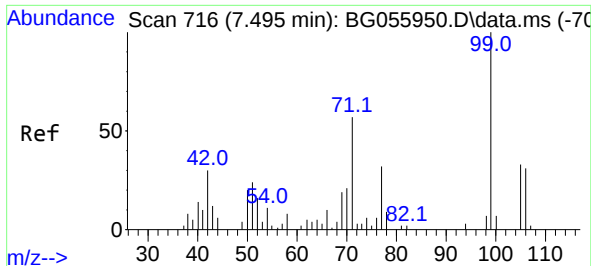


#5
2-Fluorophenol
Concen: 127.542 ng
RT: 5.874 min Scan# 440
Delta R.T. 0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36



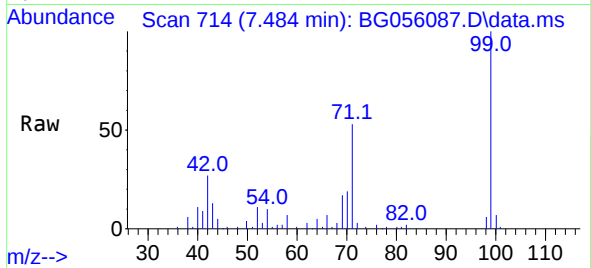
Tgt Ion:112 Resp: 54216
Ion Ratio Lower Upper
112 100
64 55.9 43.0 64.4
63 37.3 31.4 47.2





#7
Phenol-d6
Concen: 121.178 ng
RT: 7.484 min Scan# 716
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

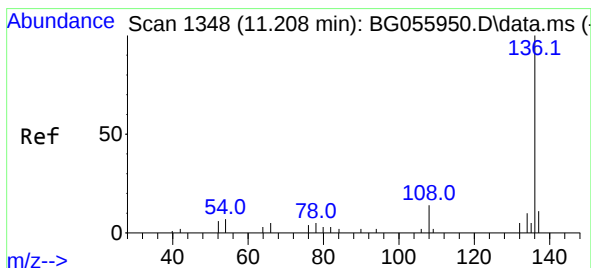
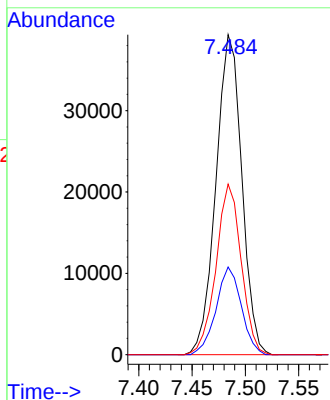
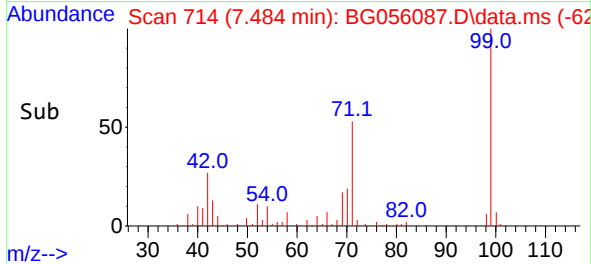
Instrument :
BNA_G
ClientSampleId :
B-27-5B02



Tgt Ion: 99 Resp: 66250
Ion Ratio Lower Upper
99 100
42 27.4 24.3 36.5
71 53.3 45.6 68.4

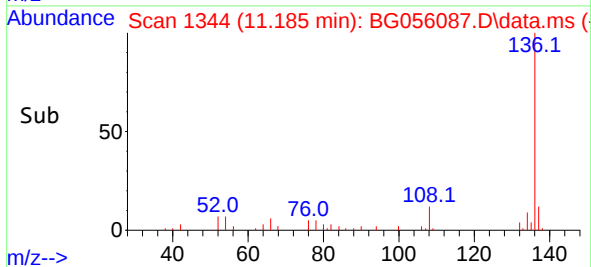
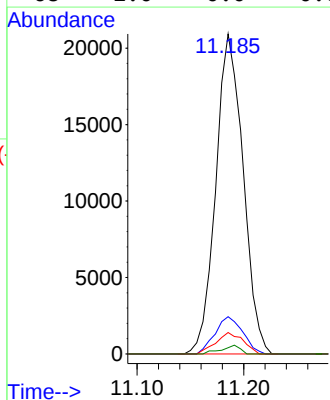
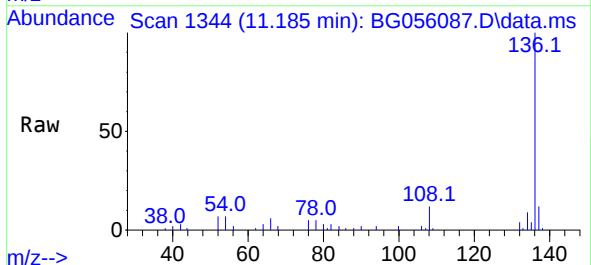
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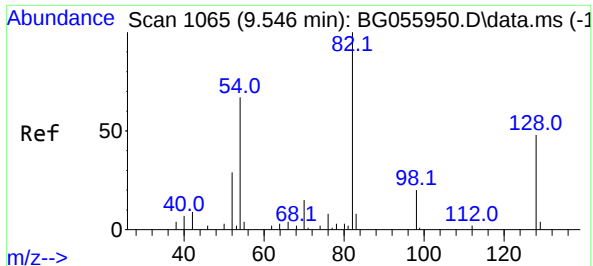
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.185 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Tgt Ion:136 Resp: 37172
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 6.7 5.6 8.4
68 2.0 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 87.526 ng

RT: 9.528 min Scan# 1062

Delta R.T. 0.000 min

Lab File: BG056087.D

Acq: 23 Dec 2022 20:36

Instrument :

BNA_G

ClientSampleId :

B-27-5B02

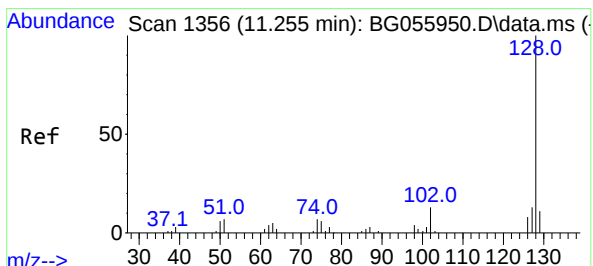
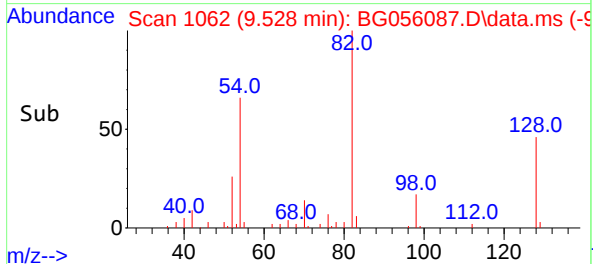
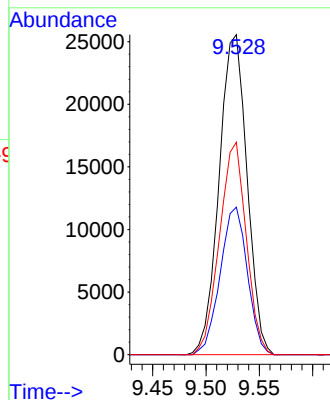
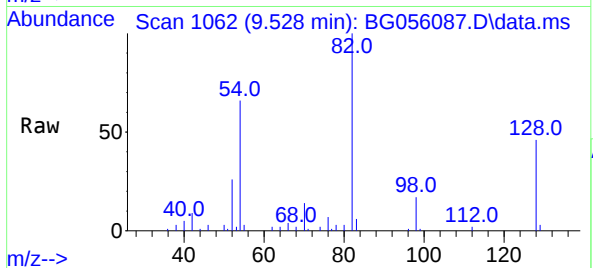
Tgt Ion: 82 Resp: 4655

Ion	Ratio	Lower	Upper
82	100		
128	46.1	38.4	57.6
54	66.4	53.3	79.9

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#31

Naphthalene

Concen: 2.110 ng

RT: 11.238 min Scan# 1353

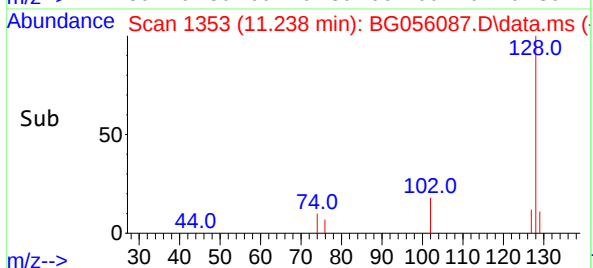
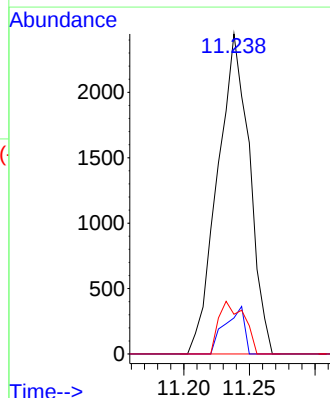
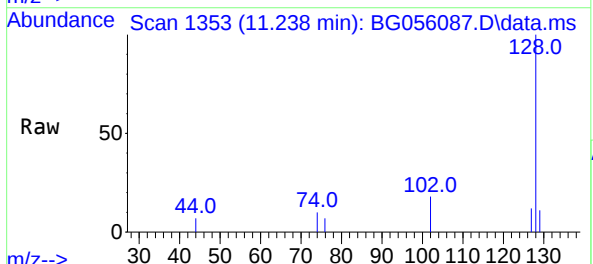
Delta R.T. -0.006 min

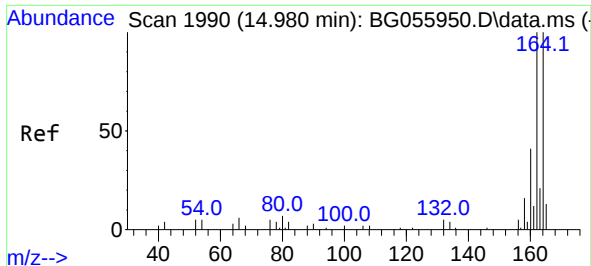
Lab File: BG056087.D

Acq: 23 Dec 2022 20:36

Tgt Ion:128 Resp: 4138

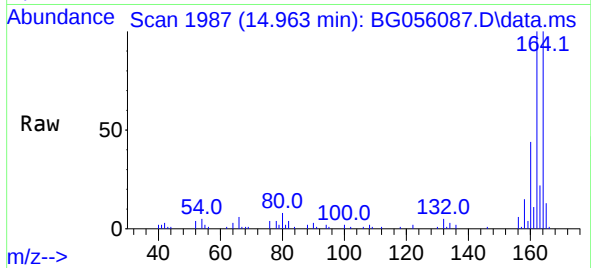
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	12.4	10.3	15.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

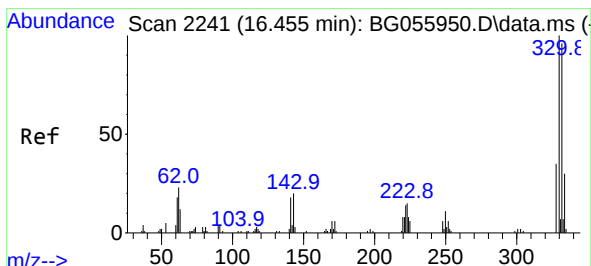
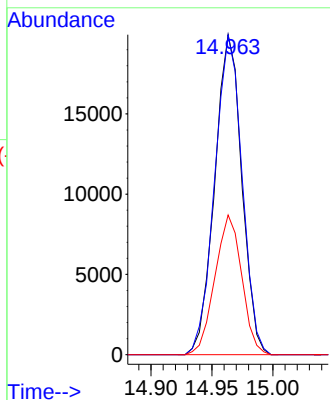
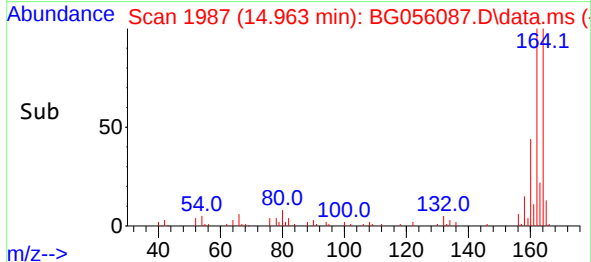
Instrument :
BNA_G
ClientSampleId :
B-27-5B02



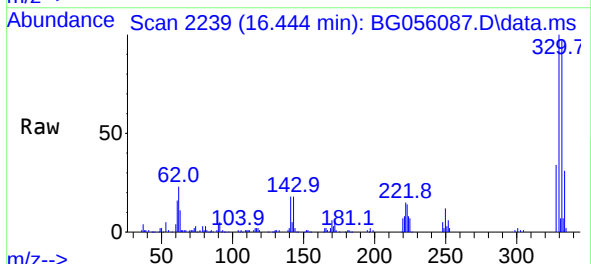
Tgt Ion:164 Resp: 30732
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 43.6 33.0 49.4

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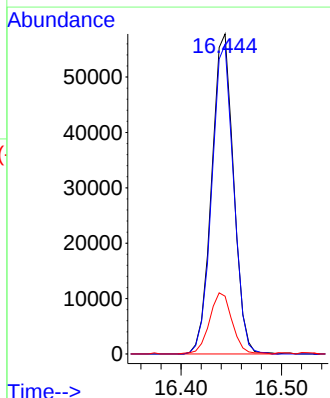
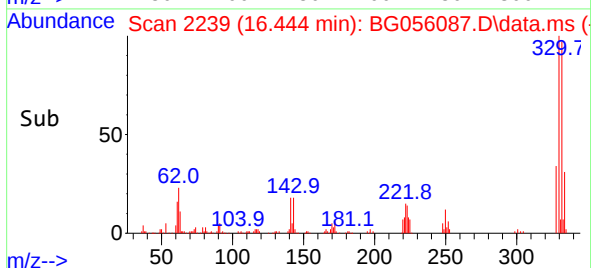
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022

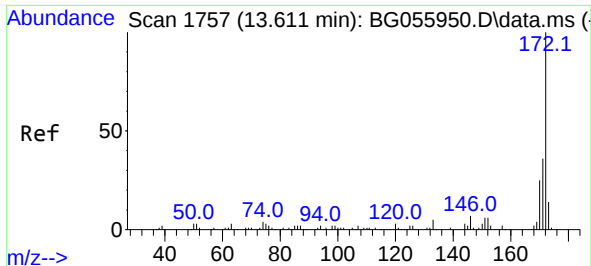


#42
2,4,6-Tribromophenol
Concen: 117.853 ng
RT: 16.444 min Scan# 2239
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36



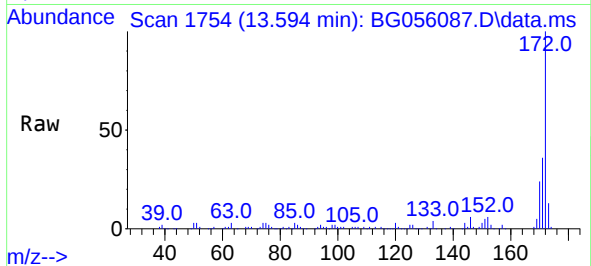
Tgt Ion:330 Resp: 87334
Ion Ratio Lower Upper
330 100
332 96.2 76.6 114.8
141 19.9 15.0 22.4





#45
2-Fluorobiphenyl
Concen: 73.739 ng
RT: 13.594 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

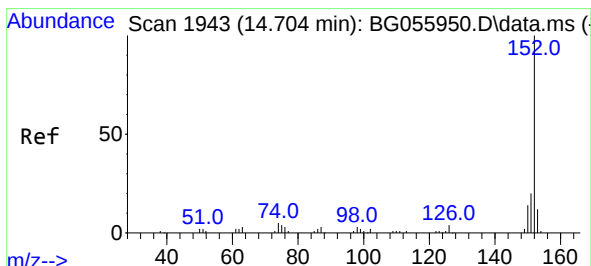
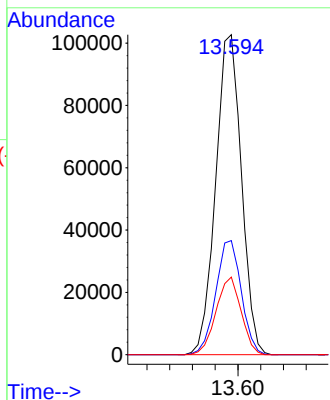
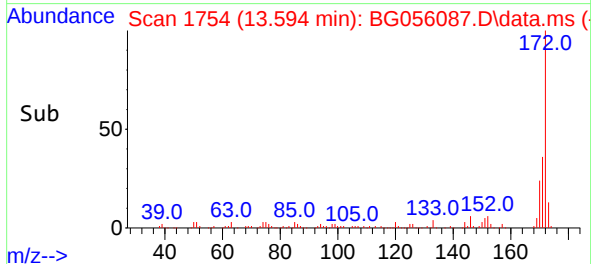
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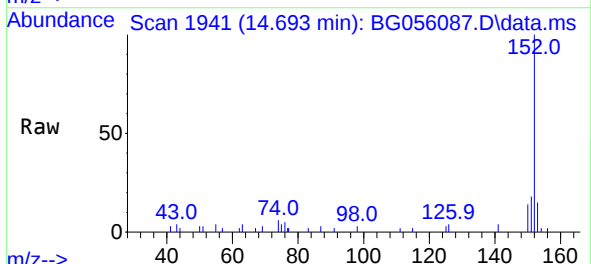
Tgt Ion:172 Resp: 16158
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.3 19.9 29.9

Manual Integrations
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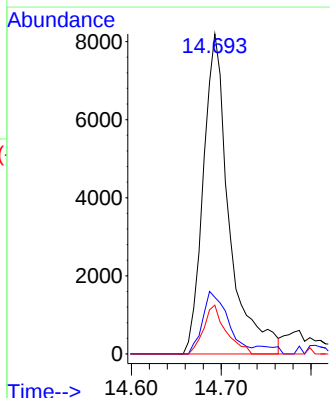
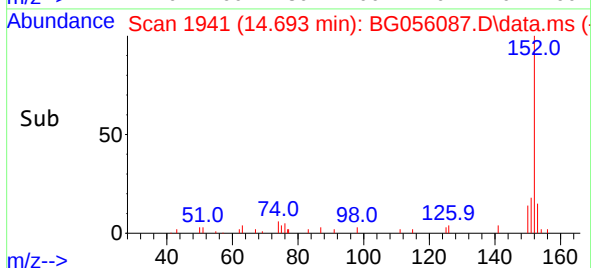
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022

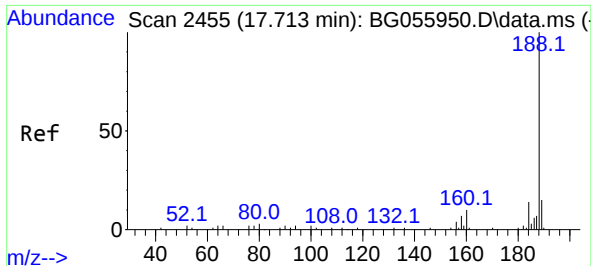


#49
Acenaphthylene
Concen: 6.059 ng
RT: 14.693 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36



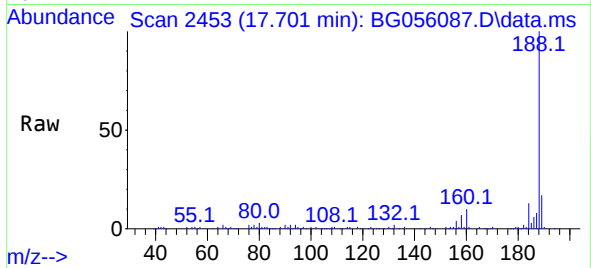
Tgt Ion:152 Resp: 16369
Ion Ratio Lower Upper
152 100
151 17.7 15.8 23.8
153 15.2 10.0 15.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.701 min Scan# 2453
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

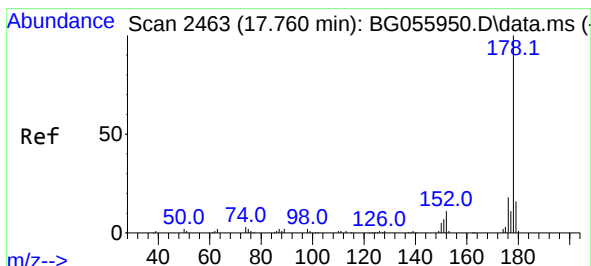
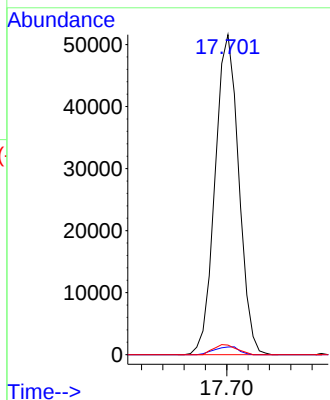
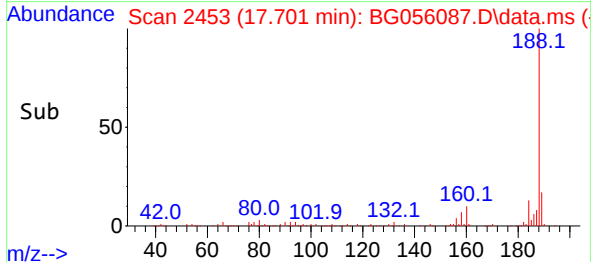
Instrument :
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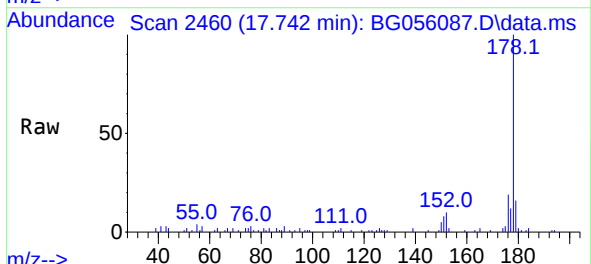
Tgt Ion:188 Resp: 7957
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.8
80 3.0 2.4 3.6

Manual Integrations
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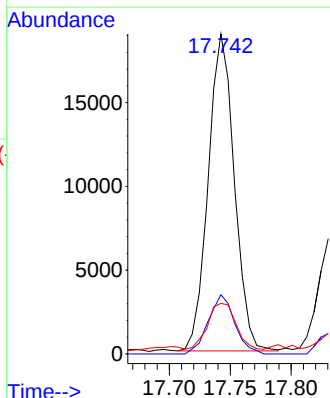
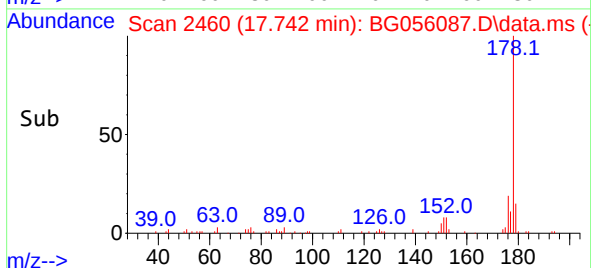
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022

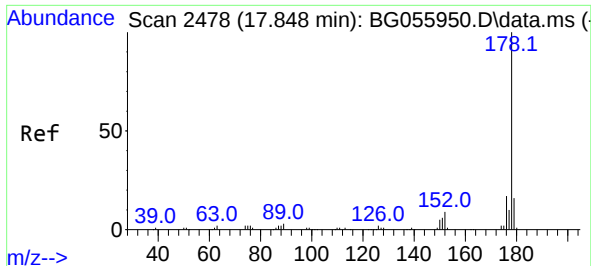


#71
Phenanthrene
Concen: 6.763 ng
RT: 17.742 min Scan# 2460
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36



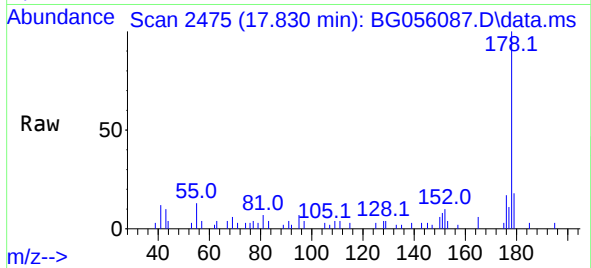
Tgt Ion:178 Resp: 28202
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.8 12.7 19.1





#72
 Anthracene
 Concen: 2.620 ng
 RT: 17.830 min Scan# 2478
 Delta R.T. -0.011 min
 Lab File: BG056087.D
 Acq: 23 Dec 2022 20:36

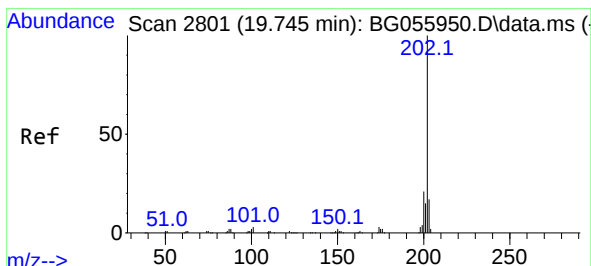
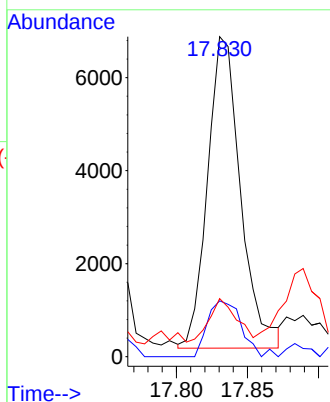
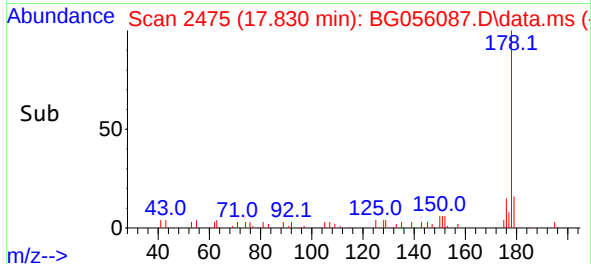
Instrument :
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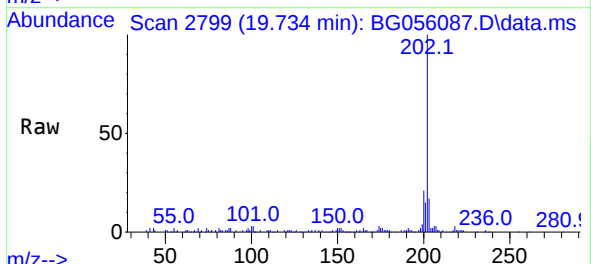
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 Ion Ratio Lower Upper
 178 100
 176 17.4 13.9 20.9
 179 18.1 12.7 19.1

Manual Integrations
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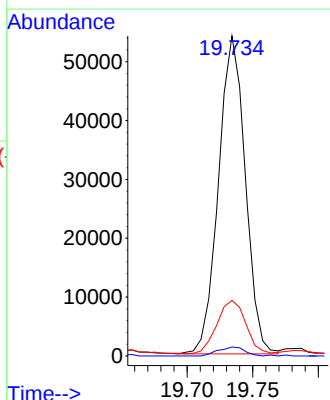
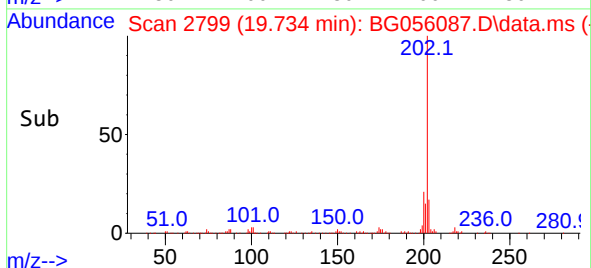
Reviewed By :Christian Giraldo 12/24/2022
 Supervised By :Yogesh Patel 12/26/2022

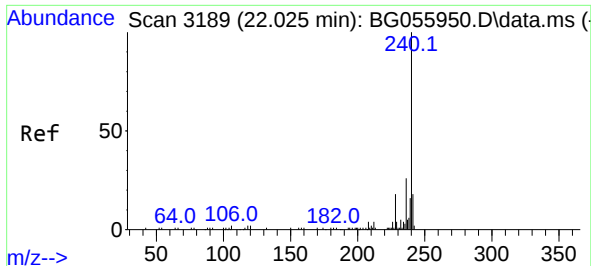


#75
 Fluoranthene
 Concen: 13.156 ng
 RT: 19.734 min Scan# 2799
 Delta R.T. 0.000 min
 Lab File: BG056087.D
 Acq: 23 Dec 2022 20:36



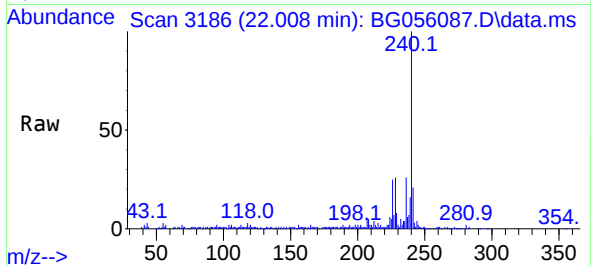
Tgt Ion:202 Resp: 76821
 Ion Ratio Lower Upper
 202 100
 101 3.2 0.0 22.6
 203 17.4 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.008 min Scan# 3189
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

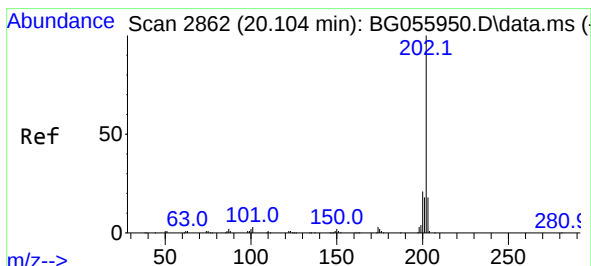
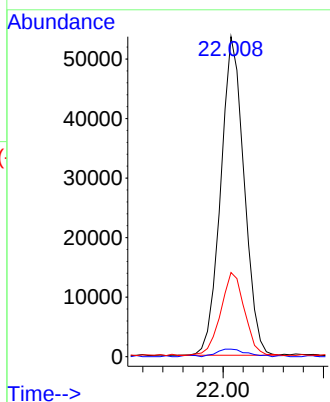
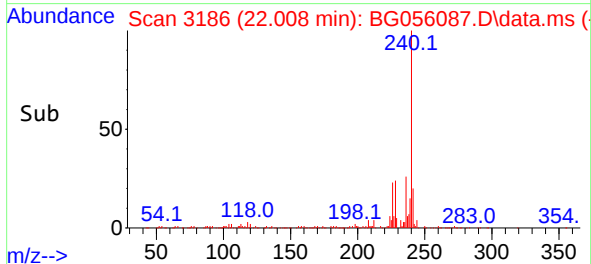
Instrument :
BNA_G
ClientSampleId :
B-27-5B02



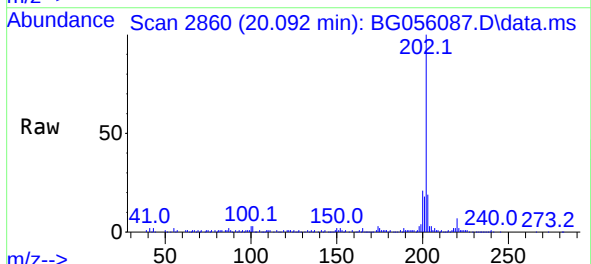
Tgt Ion:240 Resp: 8657
Ion Ratio Lower Upper
240 100
120 2.3 1.7 2.5
236 26.3 21.1 31.7

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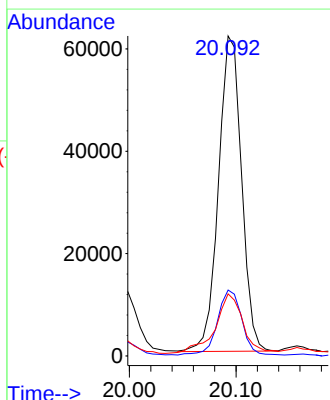
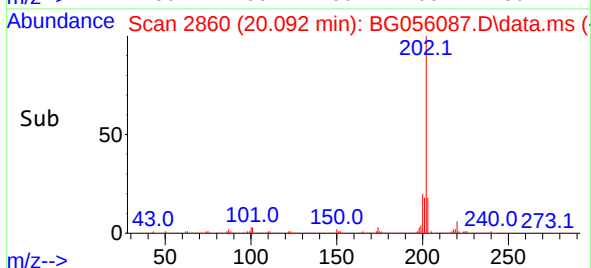
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022

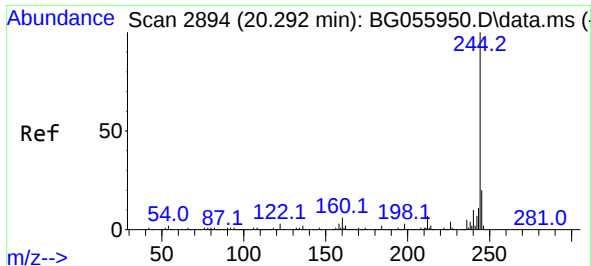


#78
Pyrene
Concen: 17.687 ng
RT: 20.092 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36



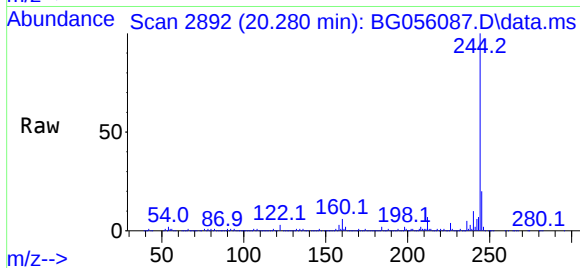
Tgt Ion:202 Resp: 92655
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 19.4 14.6 21.8





#79
Terphenyl-d14
Concen: 73.910 ng
RT: 20.280 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

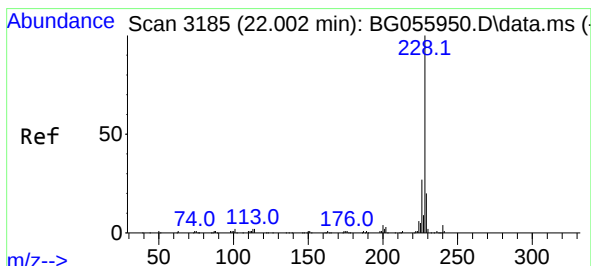
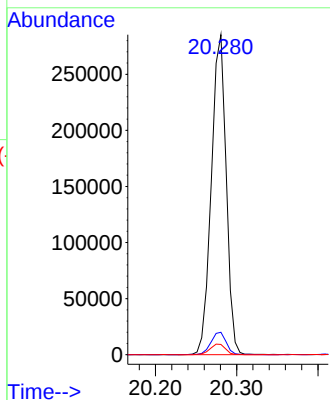
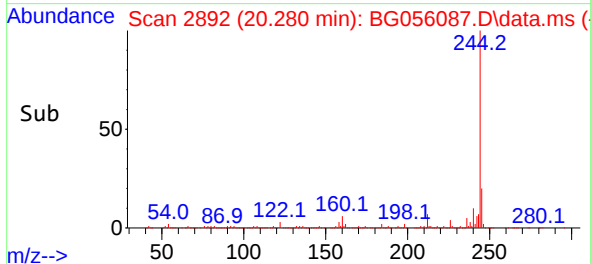
Instrument :
BNA_G
ClientSampleId :
B-27-5B02



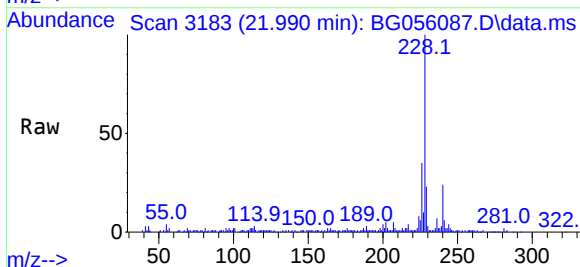
Tgt Ion:244 Resp: 36203
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 3.2 2.5 3.7

Manual Integrations
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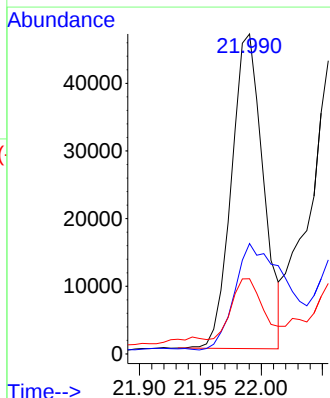
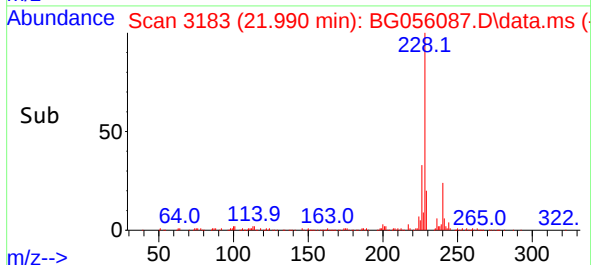
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022

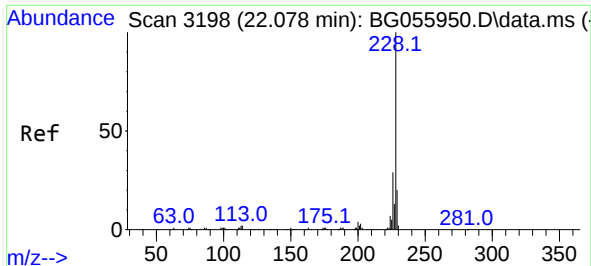


#81
Benzo(a)anthracene
Concen: 13.869 ng
RT: 21.990 min Scan# 3183
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36



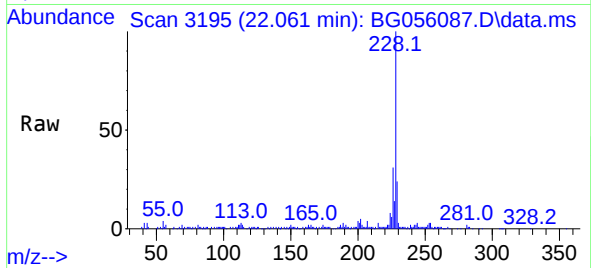
Tgt Ion:228 Resp: 84485
Ion Ratio Lower Upper
228 100
226 34.5 21.8 32.6#
229 23.5 15.9 23.9





#83
Chrysene
Concen: 17.771 ng m
RT: 22.061 min Scan# 3198
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

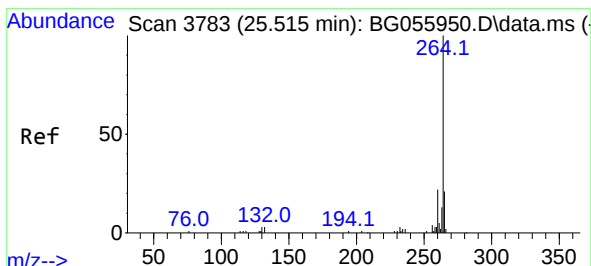
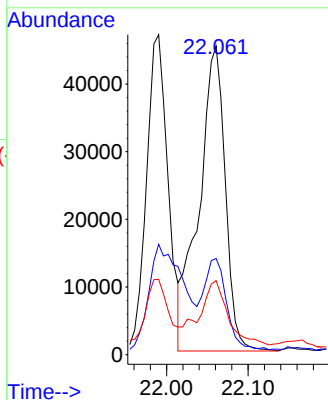
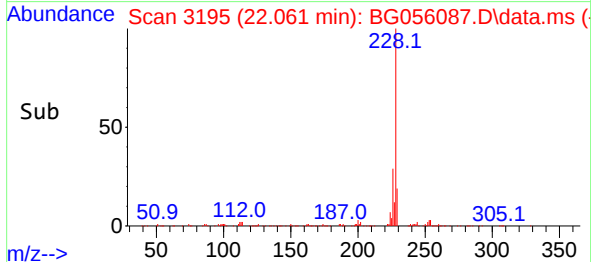
Instrument :
BNA_G
ClientSampleId :
B-27-5B02



Tgt Ion:228 Resp: 101460
Ion Ratio Lower Upper
228 100
226 31.2 23.1 34.7
229 24.0 15.7 23.5

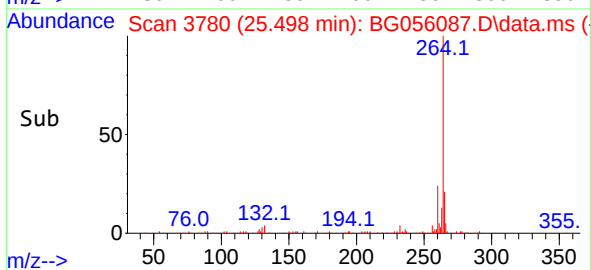
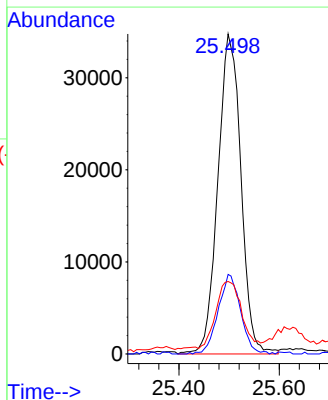
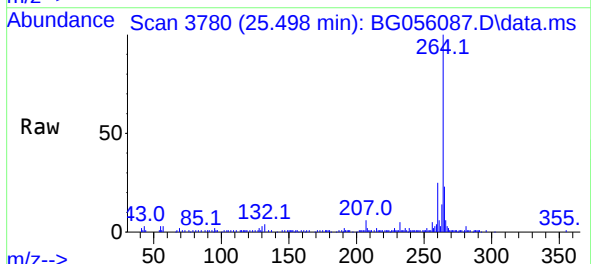
Manual Integrations
APPROVED

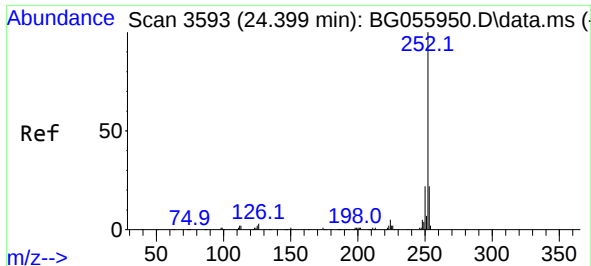
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.498 min Scan# 3780
Delta R.T. 0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

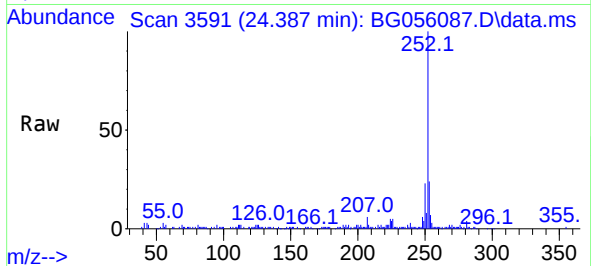
Tgt Ion:264 Resp: 110855
Ion Ratio Lower Upper
264 100
260 24.9 17.8 26.8
265 22.6 16.6 25.0





#88
Benzo(b)fluoranthene
Concen: 17.094 ng
RT: 24.387 min Scan# 30
Delta R.T. 0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

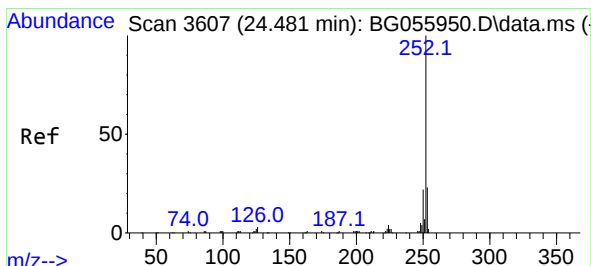
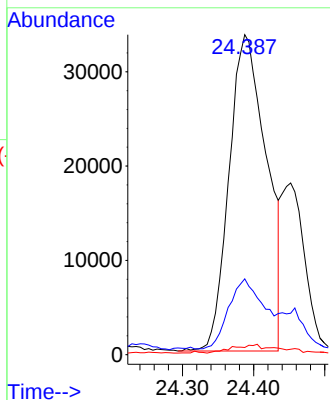
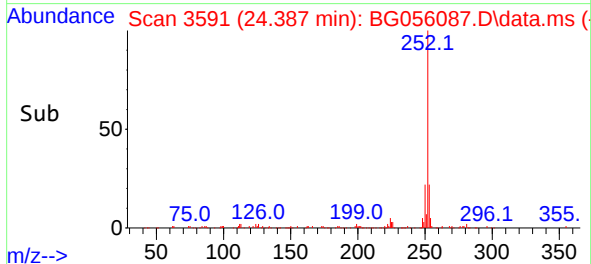
Instrument :
BNA_G
ClientSampleId :
B-27-5B02



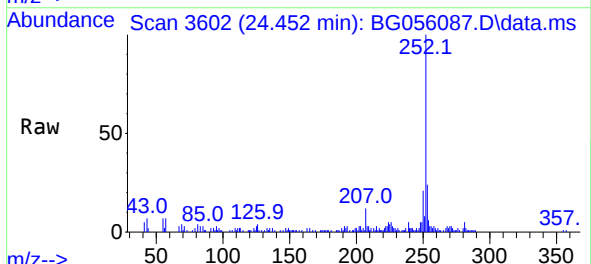
Tgt Ion:252 Resp: 122640
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 2.3 1.8 2.8

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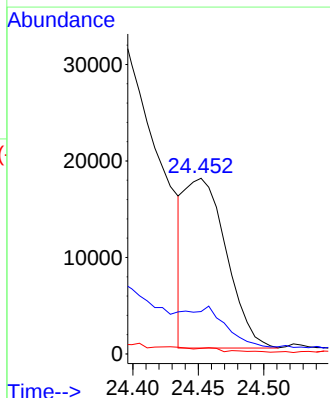
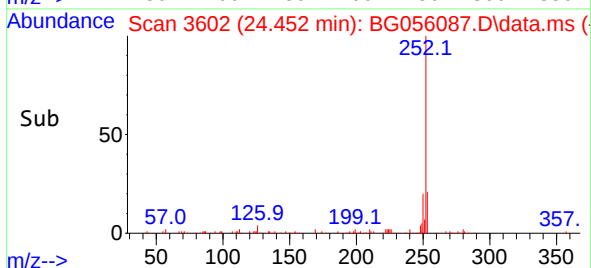
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022

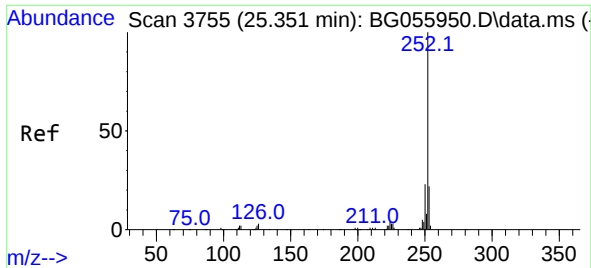


#89
Benzo(k)fluoranthene
Concen: 5.443 ng m
RT: 24.452 min Scan# 3602
Delta R.T. -0.006 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36



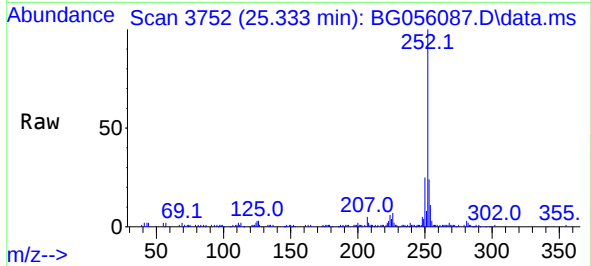
Tgt Ion:252 Resp: 38959
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.2
125 3.2 2.0 3.0#





#90
Benzo(a)pyrene
Concen: 17.837 ng
RT: 25.333 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG056087.D
Acq: 23 Dec 2022 20:36

Instrument :
BNA_G
ClientSampleId :
B-27-5B02



Tgt Ion:252 Resp: 10817
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 2.9 1.9 2.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Yogesh Patel 12/26/2022

