

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056047.D
 Acq On : 21 Dec 2022 13:58
 Operator : CG/JU
 Sample : N6038-24
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-41-(0-2)

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022

Quant Time: Dec 22 01:23:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 01:11:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.361	152	8700	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	33229	20.000	ng	# 0.00
39) Acenaphthene-d10	14.965	164	29513	20.000	ng	0.00
64) Phenanthrene-d10	17.703	188	80017	20.000	ng	# 0.00
76) Chrysene-d12	22.004	240	80452	20.000	ng	0.00
86) Perylene-d12	25.494	264	96313	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	44665	120.399	ng	0.00
7) Phenol-d6	7.492	99	55929	117.221	ng	0.00
23) Nitrobenzene-d5	9.531	82	37552	78.974	ng	0.00
42) 2,4,6-Tribromophenol	16.446	330	85392	119.992	ng	0.00
45) 2-Fluorobiphenyl	13.596	172	147042	69.876	ng	0.00
79) Terphenyl-d14	20.277	244	317343	69.715	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.695	152	5972	2.302	ng	100
71) Phenanthrene	17.744	178	16044	3.826	ng	98
75) Fluoranthene	19.736	202	53726	9.150	ng	100
78) Pyrene	20.095	202	58462	12.009	ng	99
81) Benzo(a)anthracene	21.987	228	40361	7.129	ng	95
83) Chrysene	22.057	228	44180	8.327	ng	97
87) Indeno(1,2,3-cd)pyrene	29.495	276	40638	5.247	ng	# 99
88) Benzo(b)fluoranthene	24.384	252	63584m	10.201	ng	
89) Benzo(k)fluoranthene	24.437	252	27285m	4.387	ng	
90) Benzo(a)pyrene	25.324	252	54313	10.308	ng	100
92) Benzo(g,h,i)perylene	30.764	276	41356	6.598	ng	# 97

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

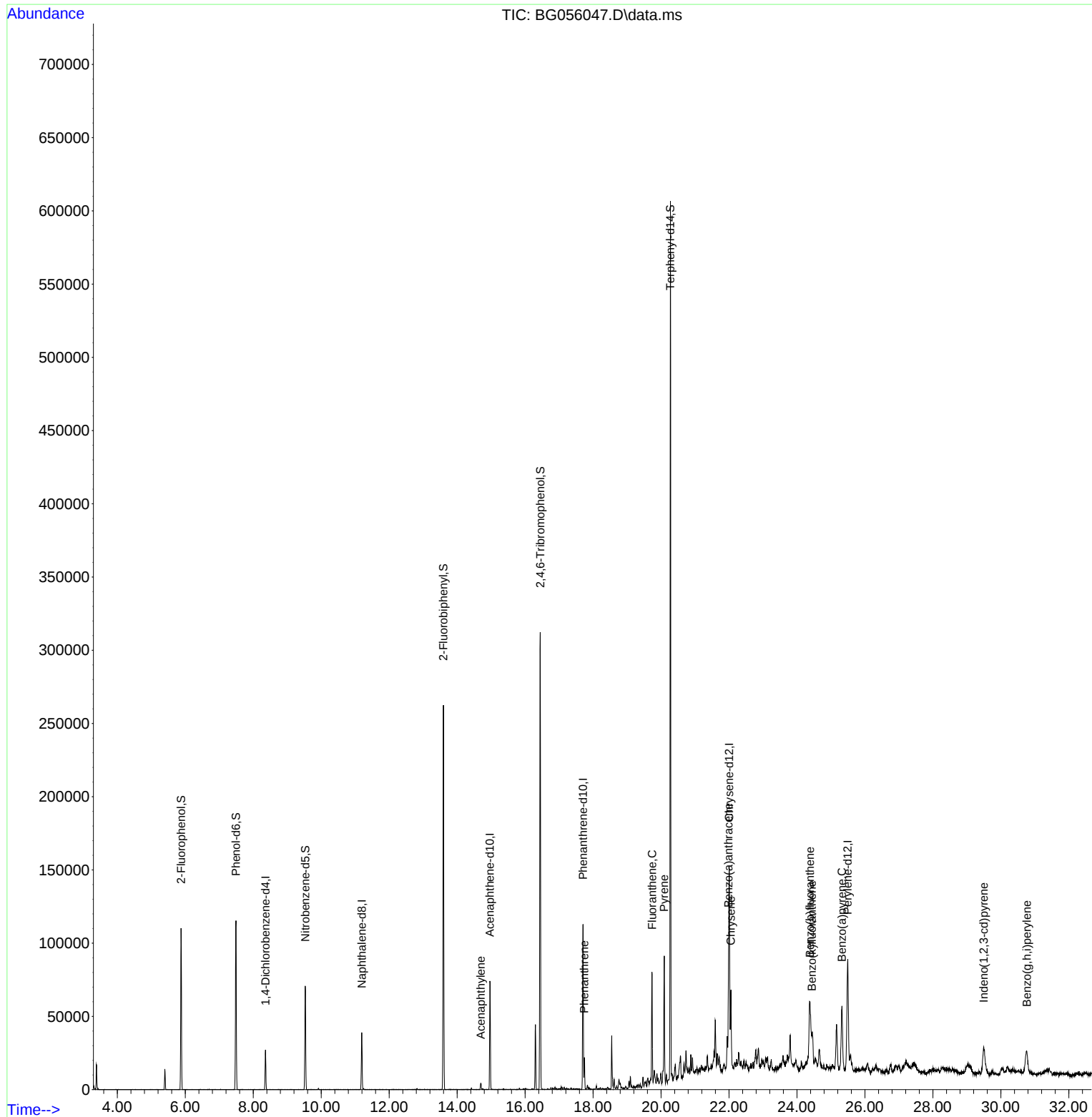
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056047.D
Acq On : 21 Dec 2022 13:58
Operator : CG/JU
Sample : N6038-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

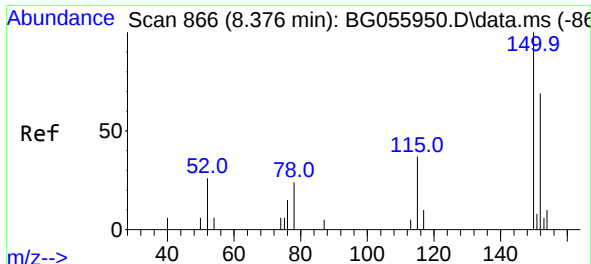
Instrument :
BNA_G
ClientSampleId :
RB-41-(0-2)

Quant Time: Dec 22 01:23:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
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QLast Update : Wed Dec 21 01:11:10 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 80
Delta R.T. -0.004 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

Instrument :

BNA_G

ClientSampleId :

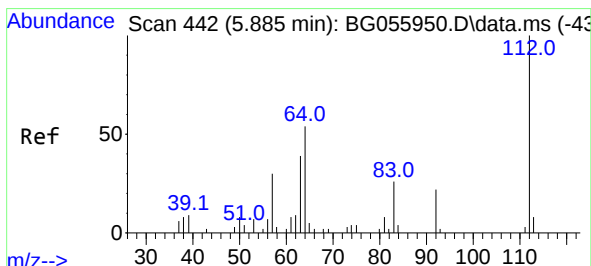
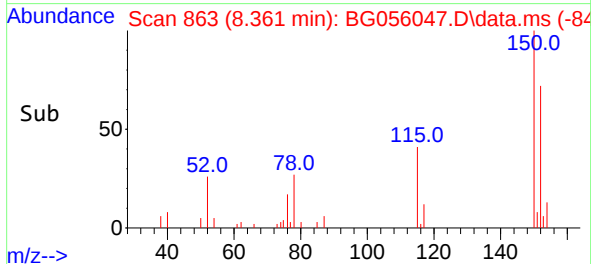
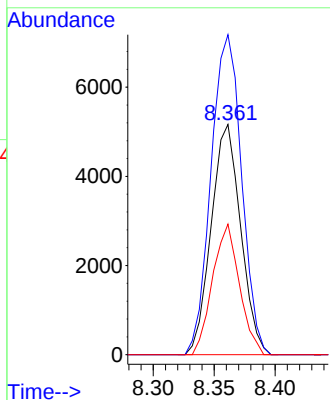
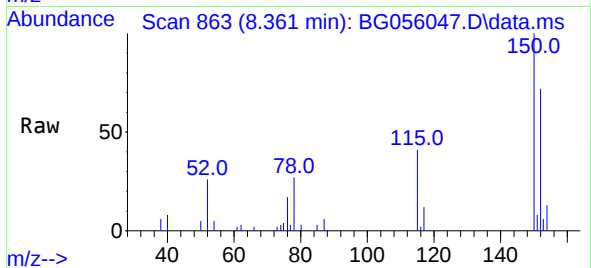
RB-41-(0-2)

Tgt Ion:152 Resp: 8700
Ion Ratio Lower Upper
152 100
150 139.0 115.7 173.5
115 56.7 43.0 64.4

Manual Integrations

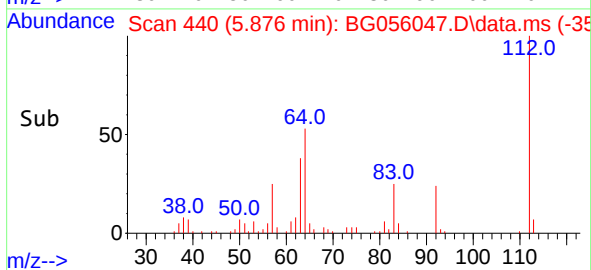
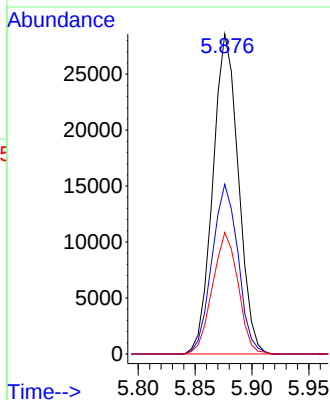
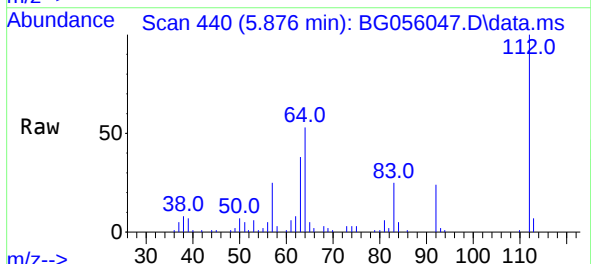
APPROVED

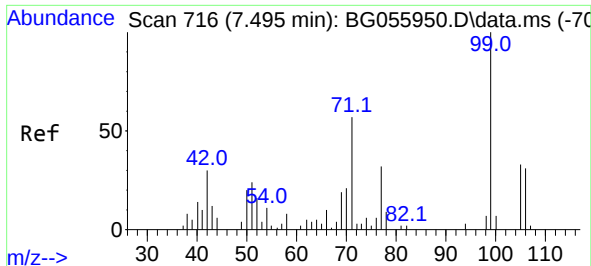
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#5
2-Fluorophenol
Concen: 120.399 ng
RT: 5.876 min Scan# 440
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

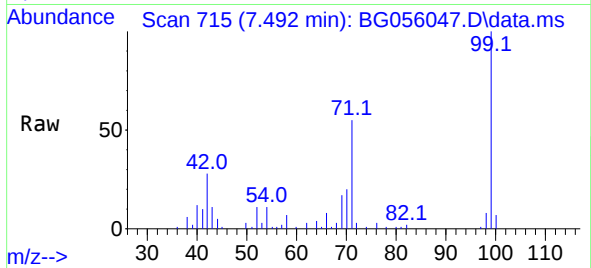
Tgt Ion:112 Resp: 44665
Ion Ratio Lower Upper
112 100
64 53.0 43.0 64.4
63 38.0 31.4 47.2





#7
Phenol-d6
Concen: 117.221 ng
RT: 7.492 min Scan# 716
Delta R.T. -0.004 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

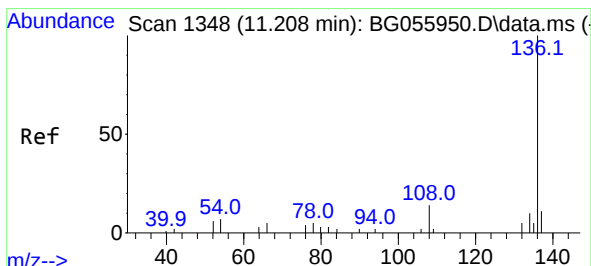
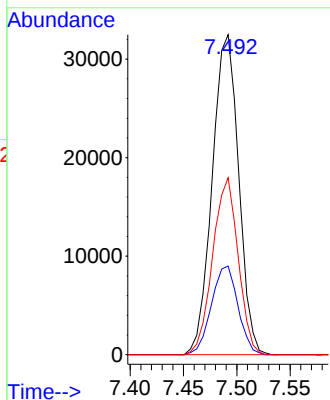
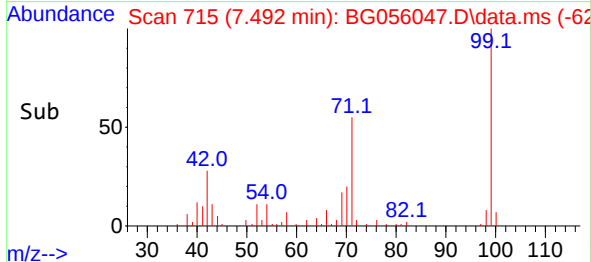
Instrument :
BNA_G
ClientSampleId :
RB-41-(0-2)



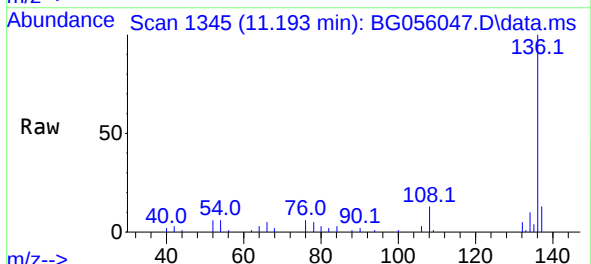
Tgt Ion: 99 Resp: 55929
Ion Ratio Lower Upper
99 100
42 27.7 24.3 36.5
71 55.3 45.6 68.4

Manual Integrations
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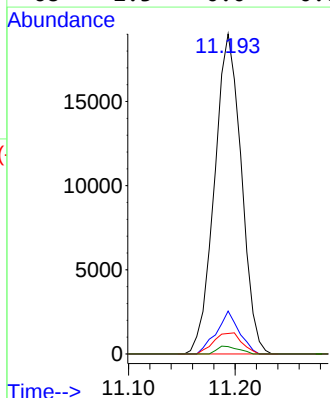
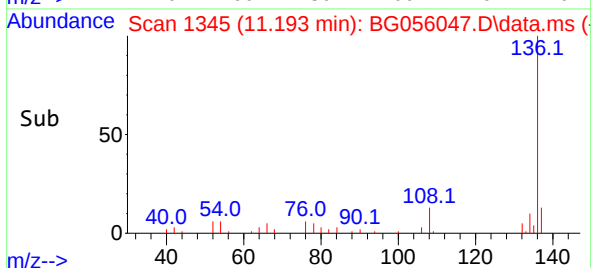
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

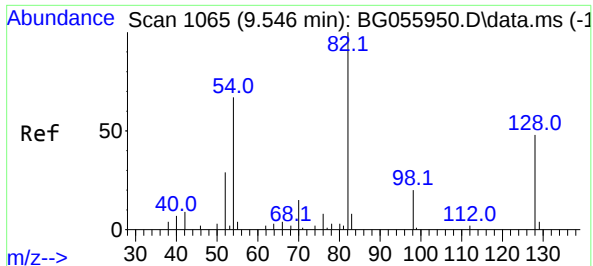


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 1345
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58



Tgt Ion:136 Resp: 33229
Ion Ratio Lower Upper
136 100
137 13.4 9.2 13.8
54 6.4 5.6 8.4
68 2.3 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 78.974 ng

RT: 9.531 min Scan# 1062

Delta R.T. -0.009 min

Lab File: BG056047.D

Acq: 21 Dec 2022 13:58

Instrument :

BNA_G

ClientSampleId :

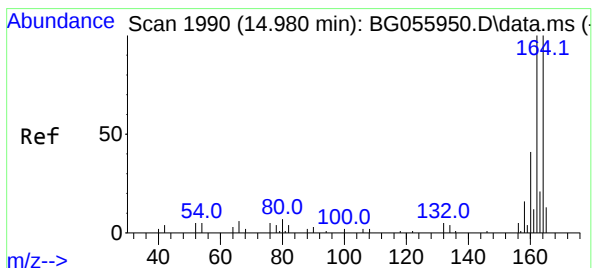
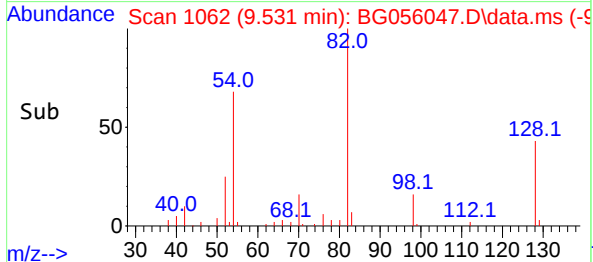
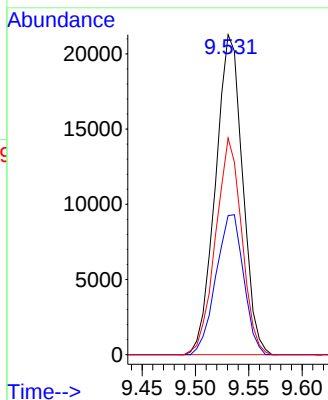
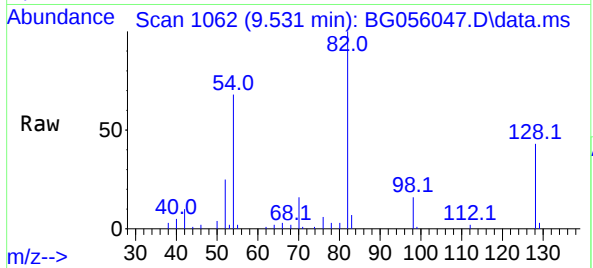
RB-41-(0-2)

Tgt Ion:	82	Resp:	37552
Ion	Ratio	Lower	Upper
82	100		
128	43.4	38.4	57.6
54	67.7	53.3	79.9

Manual Integrations

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Supervised By :mohammad ahmed 12/22/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

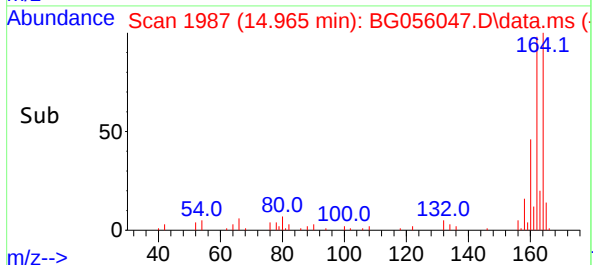
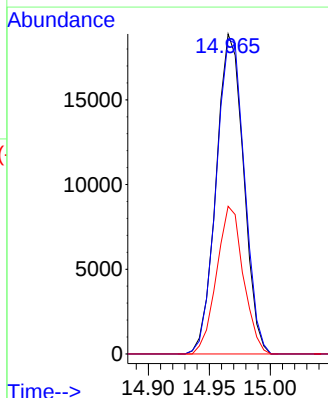
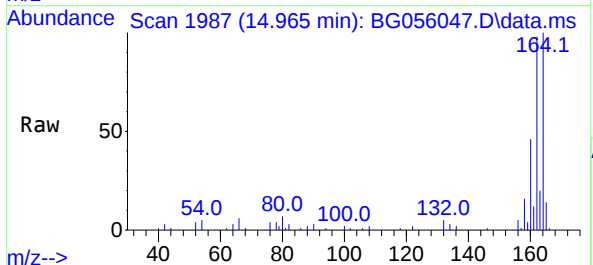
RT: 14.965 min Scan# 1987

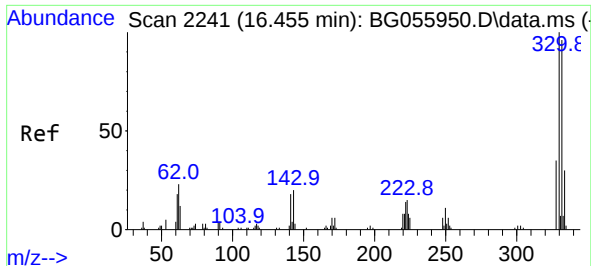
Delta R.T. -0.009 min

Lab File: BG056047.D

Acq: 21 Dec 2022 13:58

Tgt Ion:	164	Resp:	29513
Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.8	119.8
160	46.2	33.0	49.4





#42
2,4,6-Tribromophenol
Concen: 119.992 ng
RT: 16.446 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

Instrument :

BNA_G

ClientSampleId :

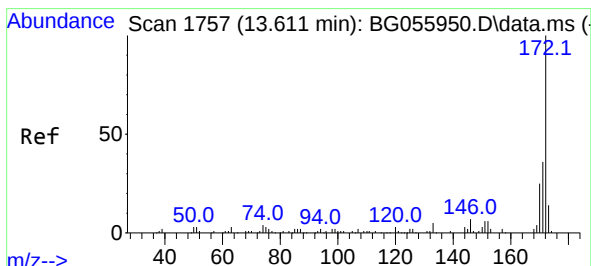
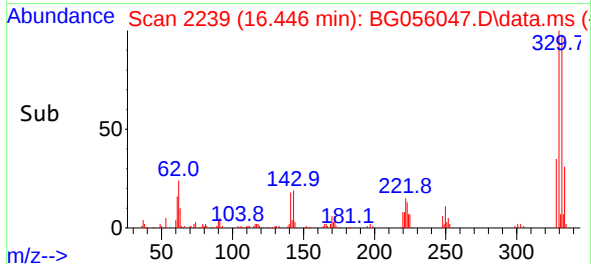
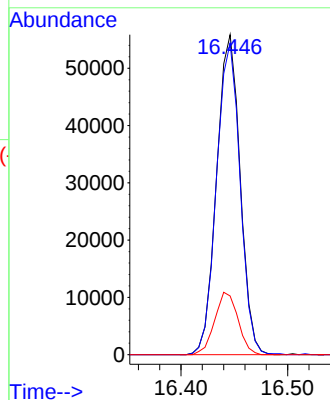
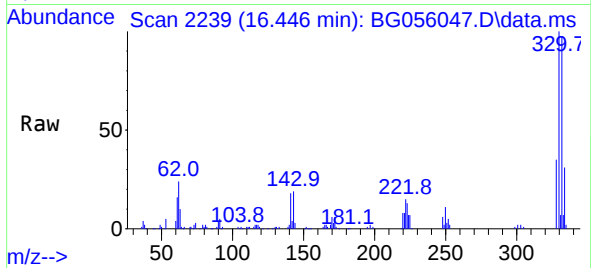
RB-41-(0-2)

Tgt Ion:330 Resp: 85392
Ion Ratio Lower Upper
330 100
332 97.5 76.6 114.8
141 19.3 15.0 22.4

Manual Integrations

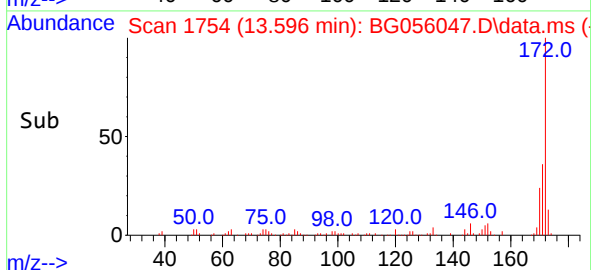
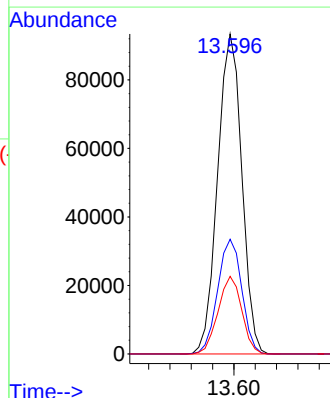
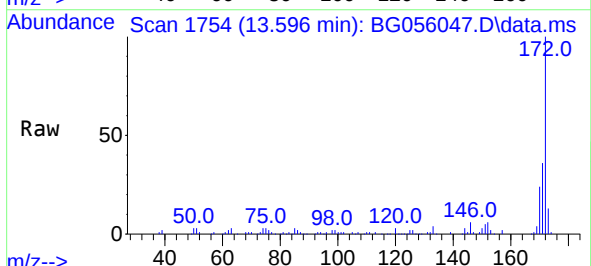
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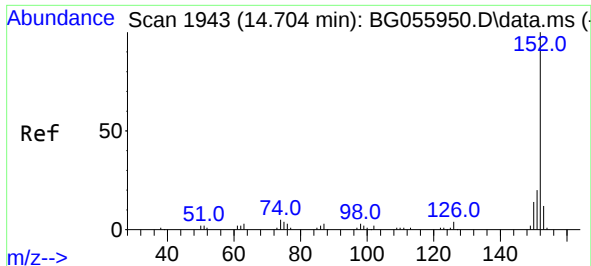
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#45
2-Fluorobiphenyl
Concen: 69.876 ng
RT: 13.596 min Scan# 1754
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

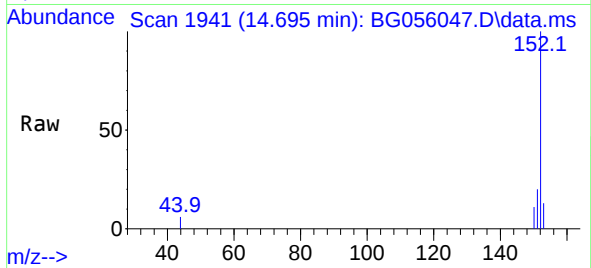
Tgt Ion:172 Resp: 147042
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 24.2 19.9 29.9





#49
Acenaphthylene
Concen: 2.302 ng
RT: 14.695 min Scan# 1941
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

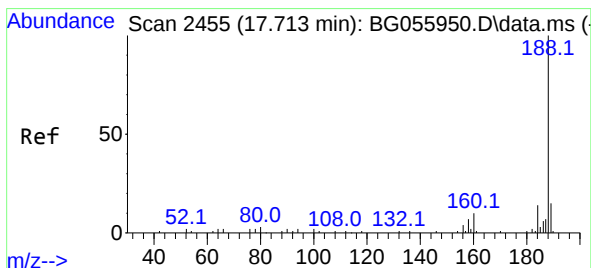
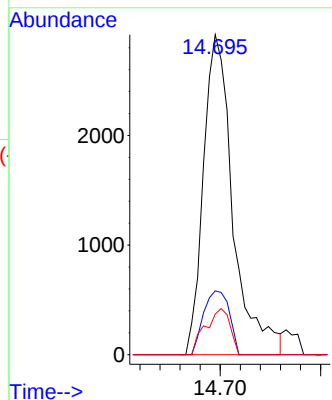
Instrument :
BNA_G
ClientSampleId :
RB-41-(0-2)



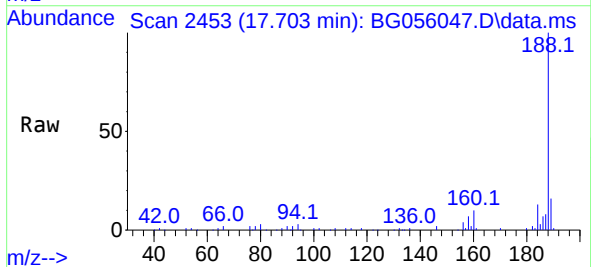
Tgt Ion:152 Resp: 5972
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 12.7 10.0 15.0

Manual Integrations
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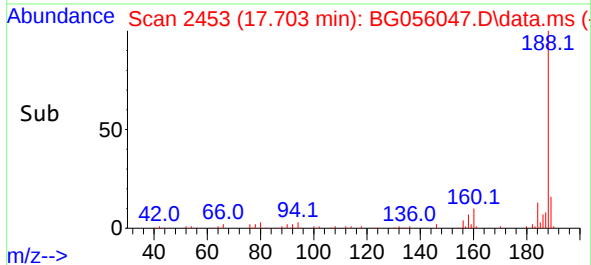
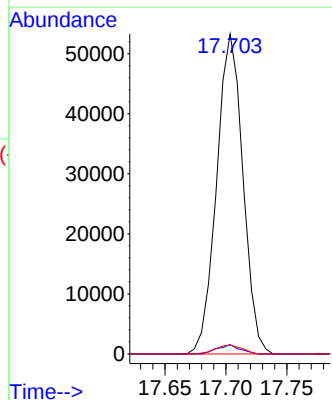
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

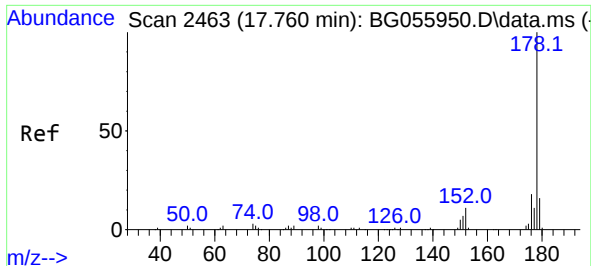


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.703 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58



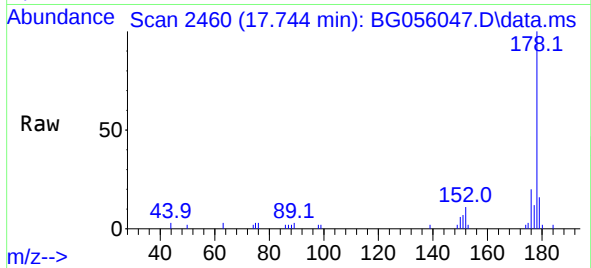
Tgt Ion:188 Resp: 80017
Ion Ratio Lower Upper
188 100
94 2.9 1.8 2.8#
80 2.8 2.4 3.6





#71
Phenanthrene
Concen: 3.826 ng
RT: 17.744 min Scan# 2460
Delta R.T. -0.009 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

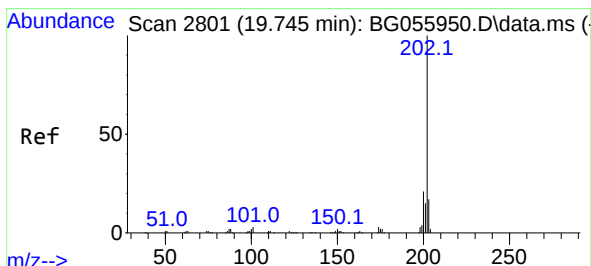
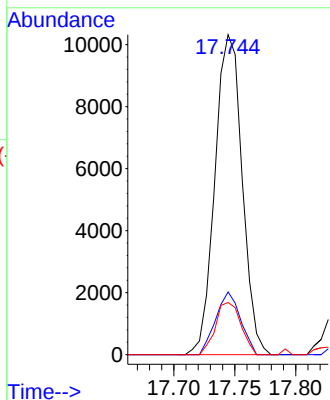
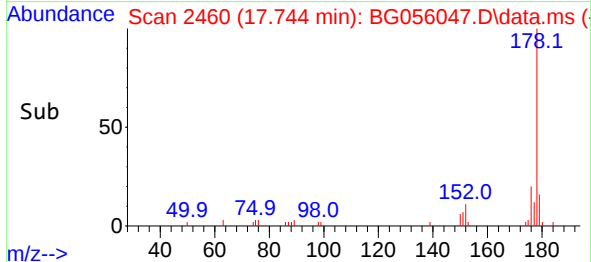
Instrument :
BNA_G
ClientSampleId :
RB-41-(0-2)



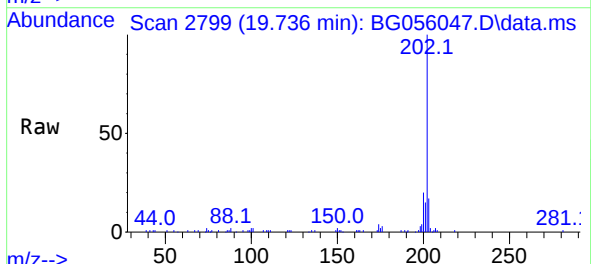
Tgt Ion:178 Resp: 16044
Ion Ratio Lower Upper
178 100
176 19.6 14.4 21.6
179 16.3 12.7 19.1

Manual Integrations
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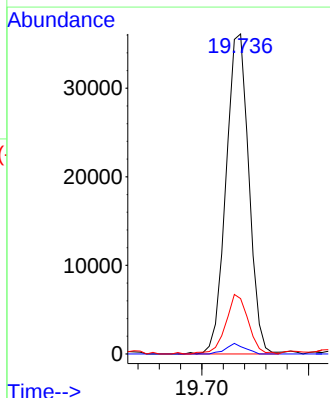
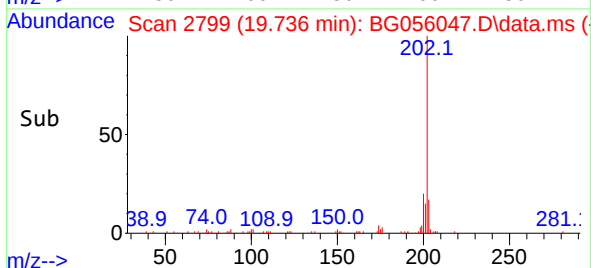
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

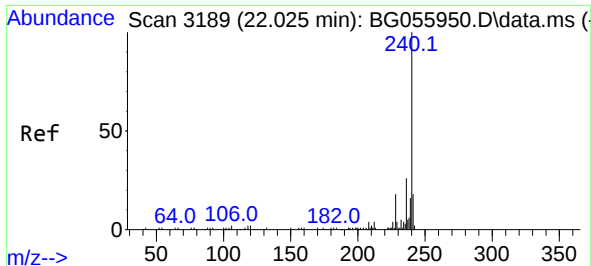


#75
Fluoranthene
Concen: 9.150 ng
RT: 19.736 min Scan# 2799
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58



Tgt Ion:202 Resp: 53726
Ion Ratio Lower Upper
202 100
101 2.3 0.0 22.6
203 17.3 0.0 37.1





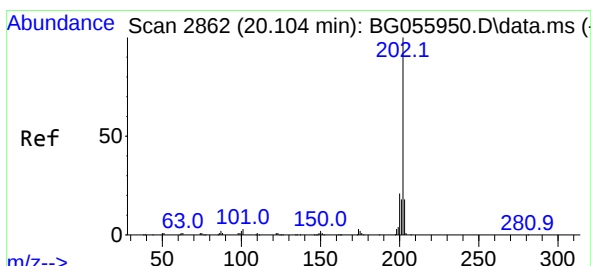
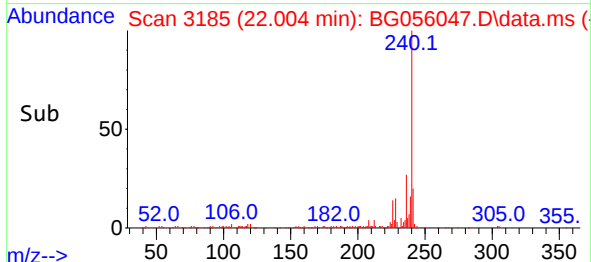
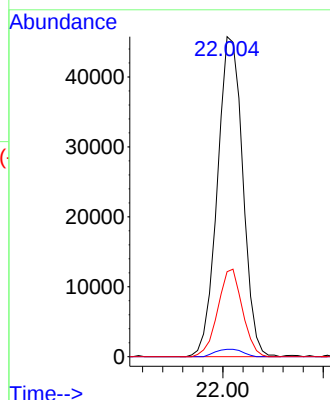
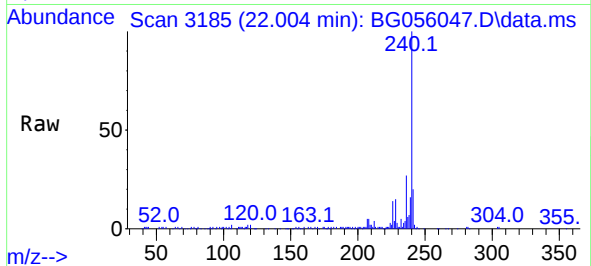
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.004 min Scan# 3189
Delta R.T. -0.009 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

Instrument :
BNA_G
ClientSampleId :
RB-41-(0-2)

Tgt Ion:240 Resp: 80452
Ion Ratio Lower Upper
240 100
120 2.3 1.7 2.5
236 26.6 21.1 31.7

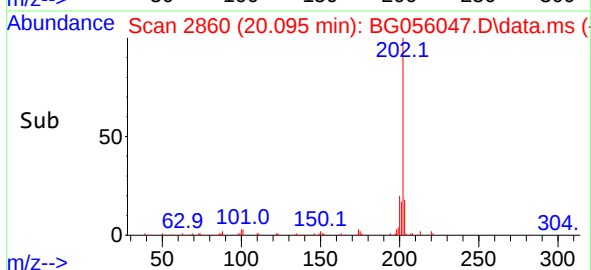
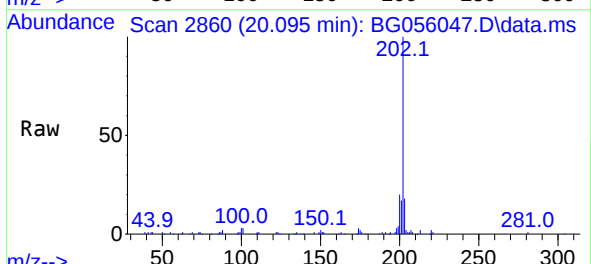
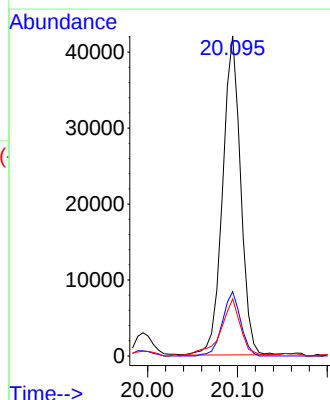
Manual Integrations
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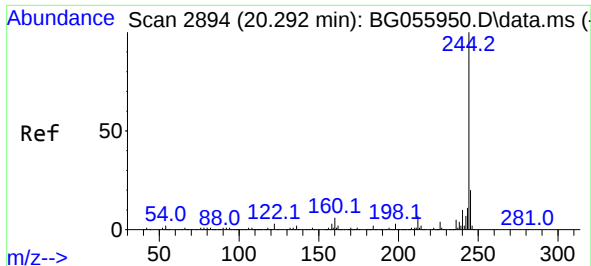
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#78
Pyrene
Concen: 12.009 ng
RT: 20.095 min Scan# 2860
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

Tgt Ion:202 Resp: 58462
Ion Ratio Lower Upper
202 100
200 20.1 16.7 25.1
203 17.8 14.6 21.8





#79
 Terphenyl-d14
 Concen: 69.715 ng
 RT: 20.277 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056047.D
 Acq: 21 Dec 2022 13:58

Instrument :

BNA_G

ClientSampleId :

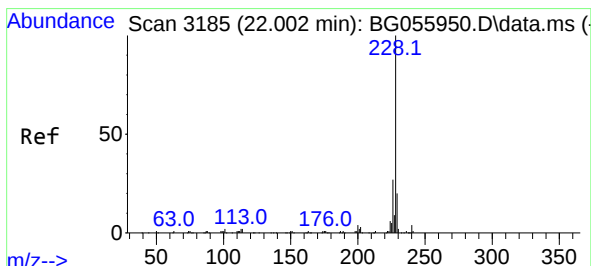
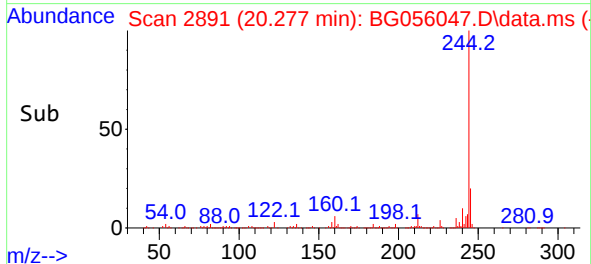
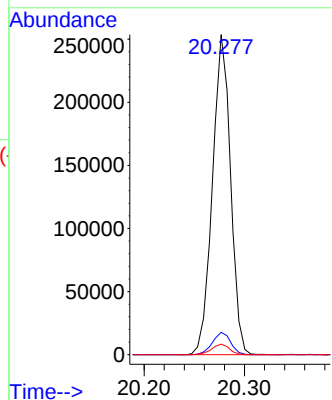
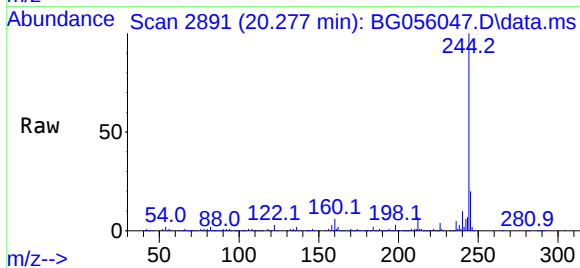
RB-41-(0-2)

Tgt Ion:244 Resp: 31734
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 3.3 2.5 3.7

Manual Integrations

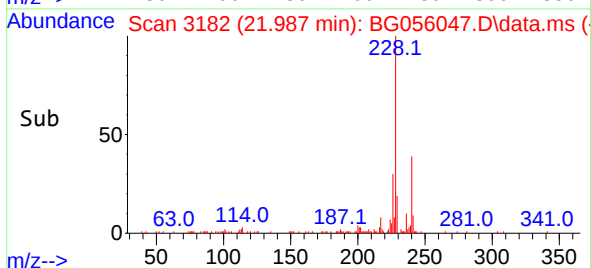
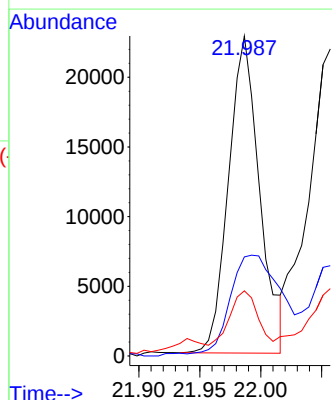
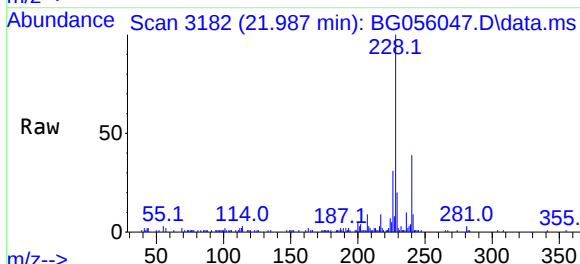
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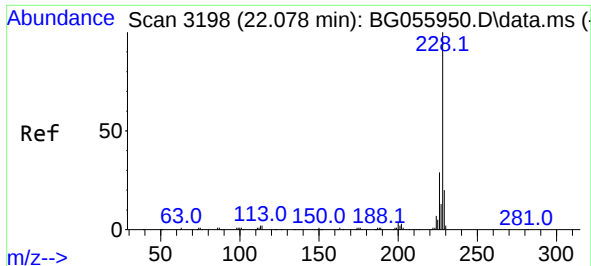
Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022



#81
 Benzo(a)anthracene
 Concen: 7.129 ng
 RT: 21.987 min Scan# 3182
 Delta R.T. -0.009 min
 Lab File: BG056047.D
 Acq: 21 Dec 2022 13:58

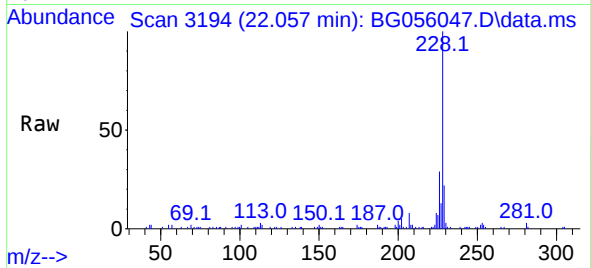
Tgt Ion:228 Resp: 40361
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.8 32.6
 229 20.4 15.9 23.9





#83
Chrysene
Concen: 8.327 ng
RT: 22.057 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

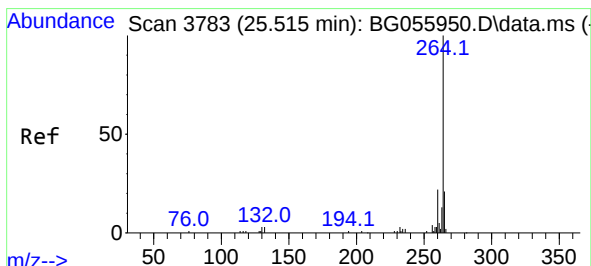
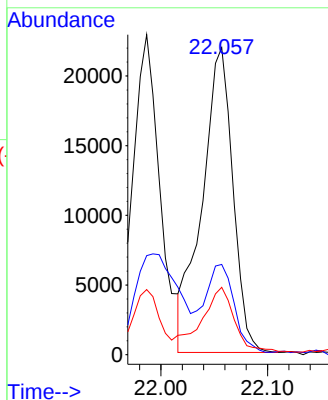
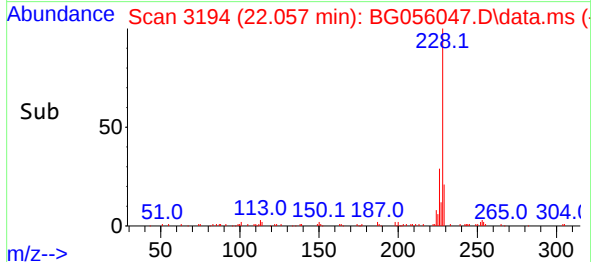
Instrument :
BNA_G
ClientSampleId :
RB-41-(0-2)



Tgt Ion:228 Resp: 44180
Ion Ratio Lower Upper
228 100
226 29.4 23.1 34.7
229 21.9 15.7 23.5

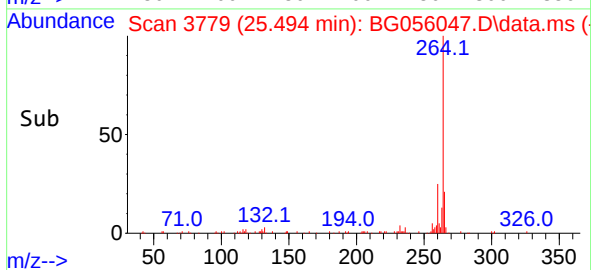
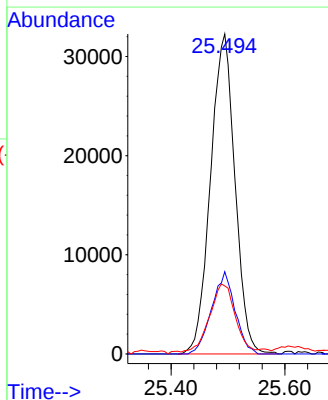
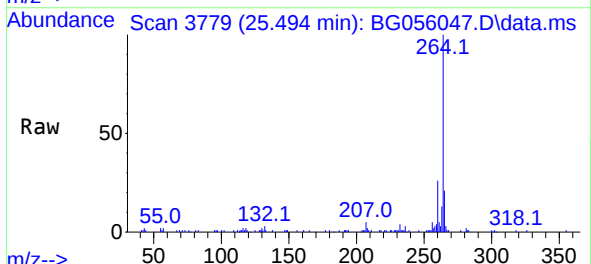
Manual Integrations
APPROVED

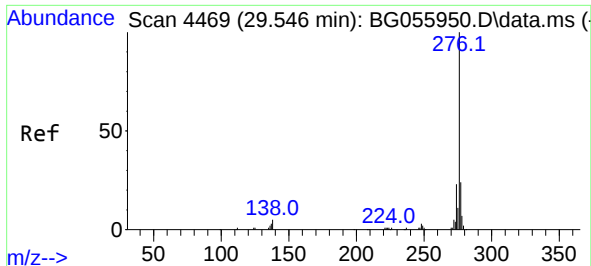
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.494 min Scan# 3779
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

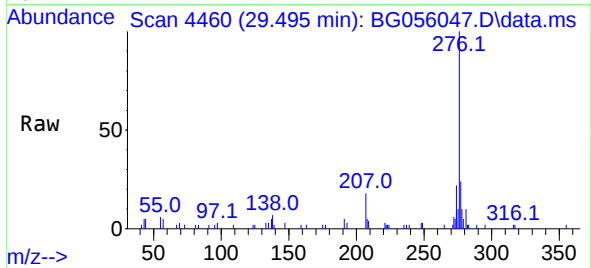
Tgt Ion:264 Resp: 96313
Ion Ratio Lower Upper
264 100
260 25.7 17.8 26.8
265 21.2 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.247 ng
RT: 29.495 min Scan# 4469
Delta R.T. -0.027 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

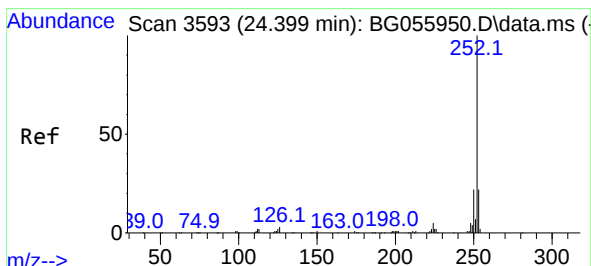
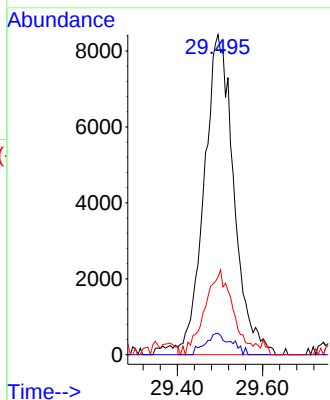
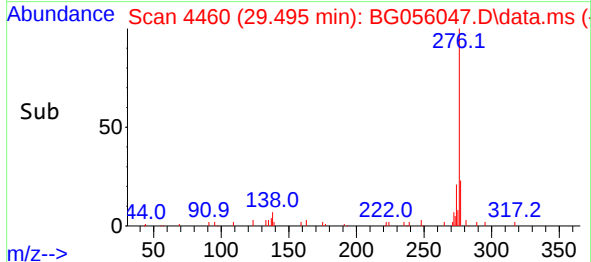
Instrument :
BNA_G
ClientSampleId :
RB-41-(0-2)



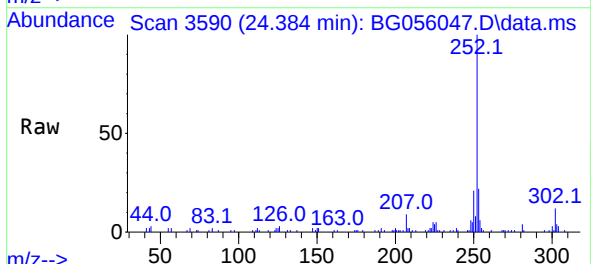
Tgt Ion:276 Resp: 40638
Ion Ratio Lower Upper
276 100
138 5.8 3.0 4.4
277 25.6 20.4 30.6

Manual Integrations
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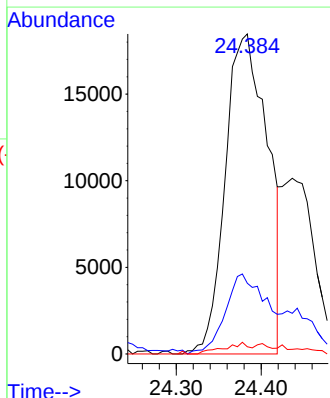
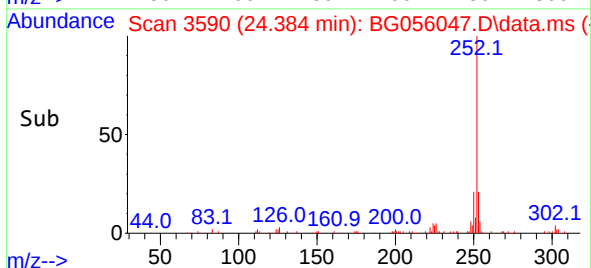
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

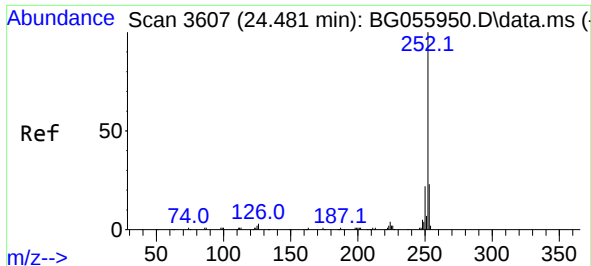


#88
Benzo(b)fluoranthene
Concen: 10.201 ng m
RT: 24.384 min Scan# 3590
Delta R.T. -0.003 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58



Tgt Ion:252 Resp: 63584
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 2.3 1.8 2.8





#89
Benzo(k)fluoranthene
Concen: 4.387 ng m
RT: 24.437 min Scan# 30
Delta R.T. -0.027 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

Instrument :

BNA_G

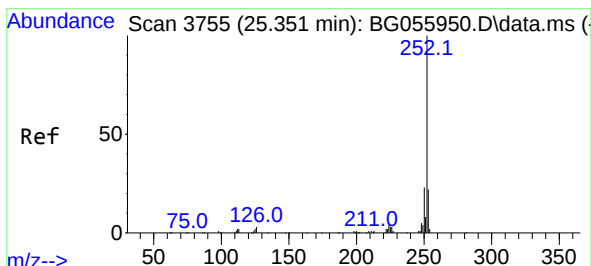
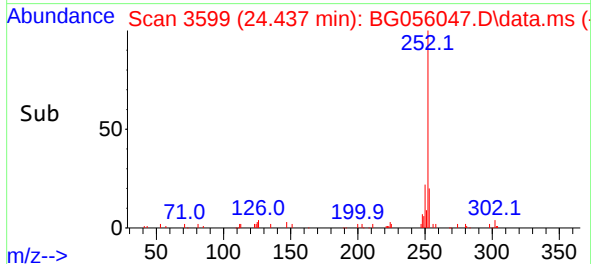
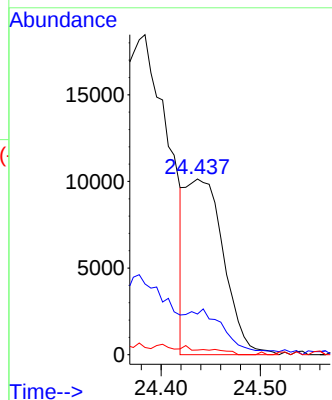
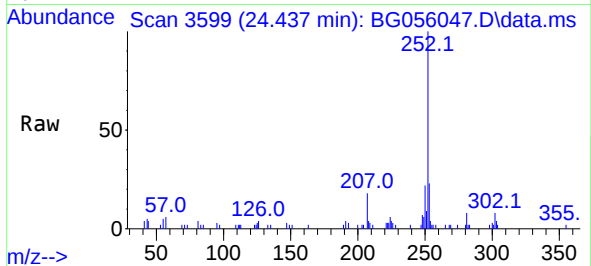
ClientSampleId :

RB-41-(0-2)

Tgt Ion:252 Resp: 2728
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 2.6 2.0 3.0

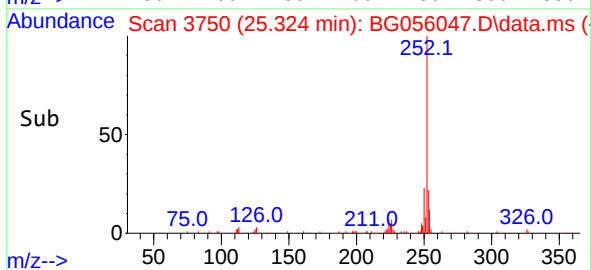
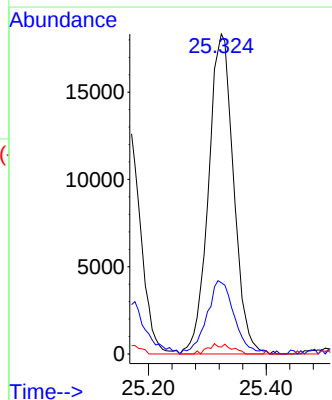
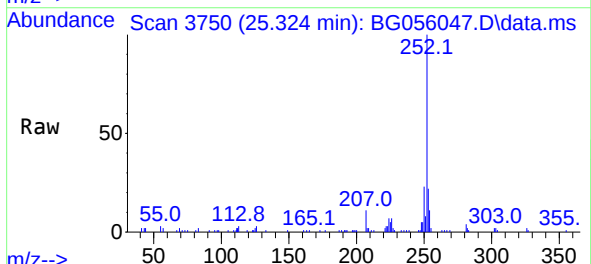
Manual Integrations
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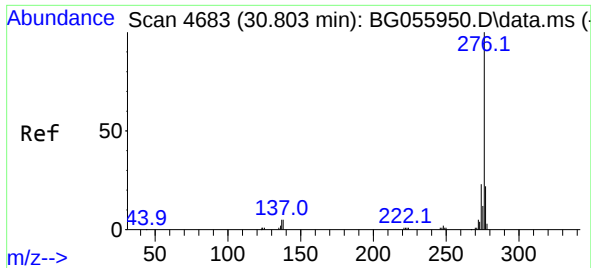
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#90
Benzo(a)pyrene
Concen: 10.308 ng
RT: 25.324 min Scan# 3750
Delta R.T. -0.009 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

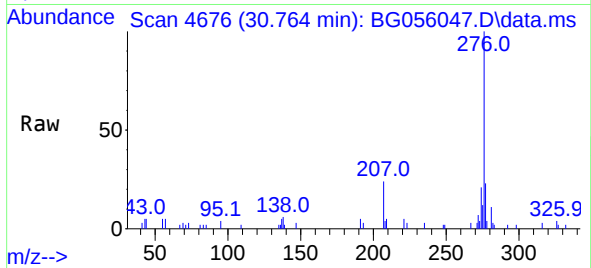
Tgt Ion:252 Resp: 54313
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 2.1 1.9 2.9





#92
Benzo(g,h,i)perylene
Concen: 6.598 ng
RT: 30.764 min Scan# 4135
Delta R.T. -0.027 min
Lab File: BG056047.D
Acq: 21 Dec 2022 13:58

Instrument :
BNA_G
ClientSampleId :
RB-41-(0-2)



Tgt Ion:276 Resp: 4135
Ion Ratio Lower Upper
276 100
277 23.3 17.8 26.6
138 6.4 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

