

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056006.D
 Acq On : 16 Dec 2022 23:18
 Operator : CG/JU
 Sample : N6037-02DL 25X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-17-(1-3)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022

Quant Time: Dec 17 01:26:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 01:18:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	10007	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	36110	20.000	ng	# 0.00
39) Acenaphthene-d10	14.981	164	32167	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	91713	20.000	ng	0.00
76) Chrysene-d12	22.026	240	93802	20.000	ng	0.00
86) Perylene-d12	25.528	264	114630	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.892	112	1782	4.176	ng	0.00
7) Phenol-d6	7.496	99	2401	4.375	ng	0.00
23) Nitrobenzene-d5	9.534	82	1645	3.183	ng	-0.01
42) 2,4,6-Tribromophenol	16.456	330	2905	3.745	ng	0.00
45) 2-Fluorobiphenyl	13.606	172	5950	2.594	ng	0.00
79) Terphenyl-d14	20.287	244	13655	2.573	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.831	142	4924	2.925	ng	99
38) 1-Methylnaphthalene	13.048	142	4463	2.722	ng	# 99
52) Acenaphthene	15.040	154	8233	4.337	ng	96
58) Fluorene	16.015	166	12277	4.704	ng	# 97
71) Phenanthrene	17.760	178	283527	58.991	ng	99
72) Anthracene	17.848	178	39055	8.214	ng	98
75) Fluoranthene	19.746	202	145194	21.574	ng	100
78) Pyrene	20.110	202	221575	39.037	ng	100
81) Benzo(a)anthracene	22.002	228	90854	13.764	ng	99
83) Chrysene	22.079	228	84091	13.593	ng	98
87) Indeno(1,2,3-cd)pyrene	29.546	276	30657	3.326	ng	# 99
88) Benzo(b)fluoranthene	24.411	252	58848	7.932	ng	99
89) Benzo(k)fluoranthene	24.476	252	23280m	3.145	ng	
90) Benzo(a)pyrene	25.357	252	51715	8.247	ng	99
92) Benzo(g,h,i)perylene	30.827	276	28468	3.816	ng	100

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

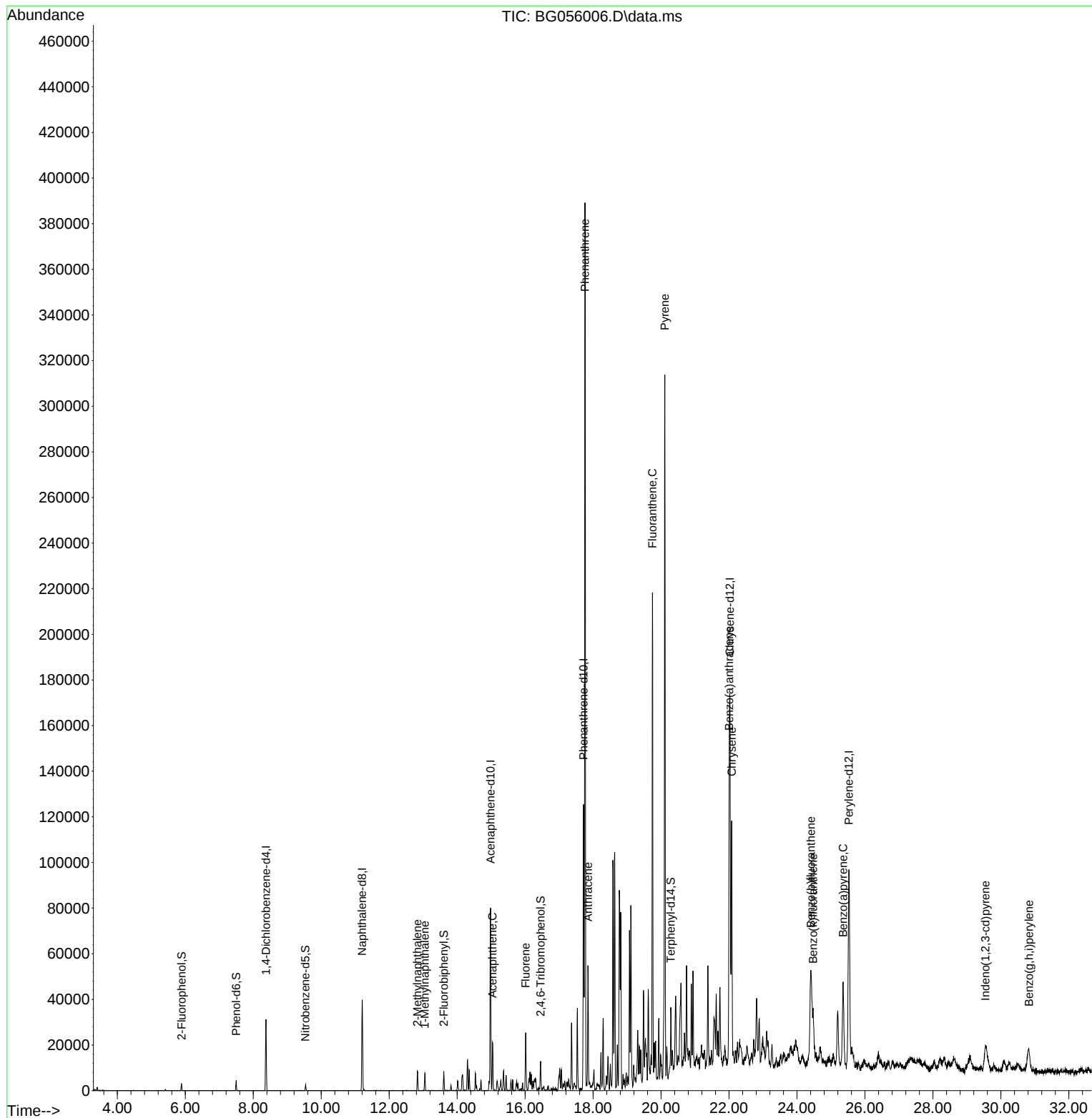
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
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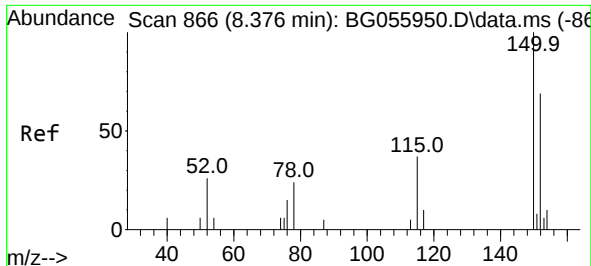
Instrument :
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ClientSampleId :
RB-17-(1-3)DL

Quant Time: Dec 17 01:26:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
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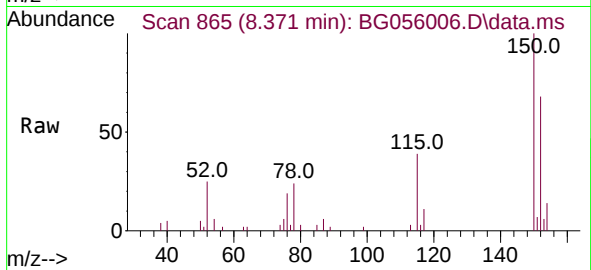
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 865
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

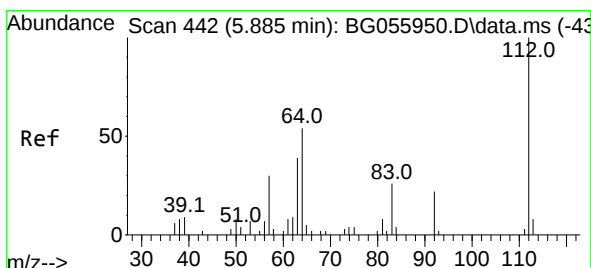
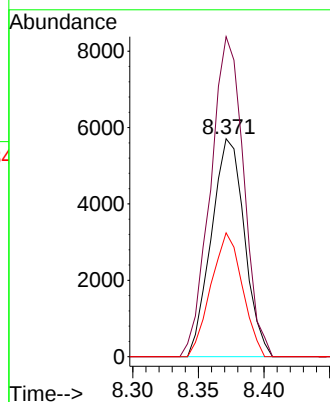
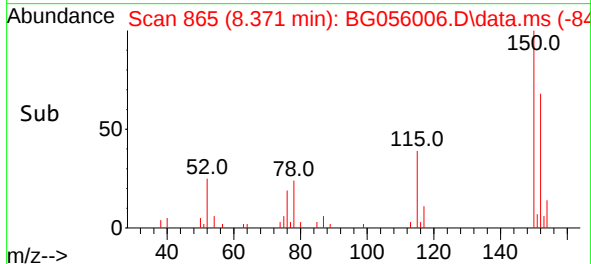


Tgt Ion:152 Resp: 1000
Ion Ratio Lower Upper
152 100
150 146.8 115.7 173.5
115 56.8 43.0 64.4

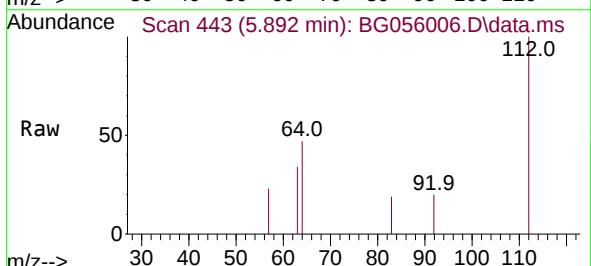
Manual Integrations

APPROVED

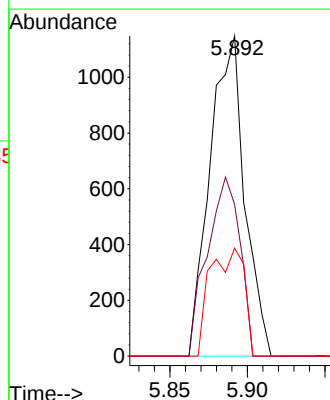
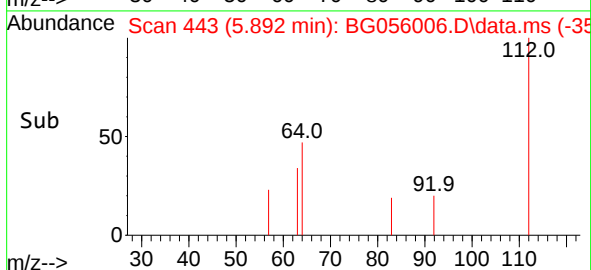
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

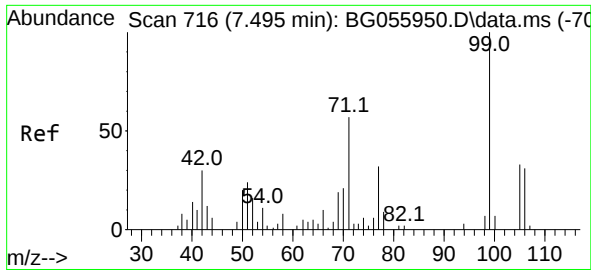


#5
2-Fluorophenol
Concen: 4.176 ng
RT: 5.892 min Scan# 443
Delta R.T. 0.007 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18



Tgt Ion:112 Resp: 1782
Ion Ratio Lower Upper
112 100
64 47.4 43.0 64.4
63 33.7 31.4 47.2





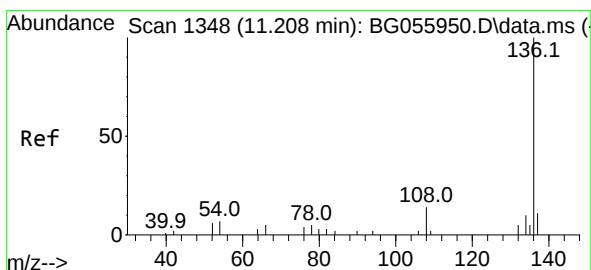
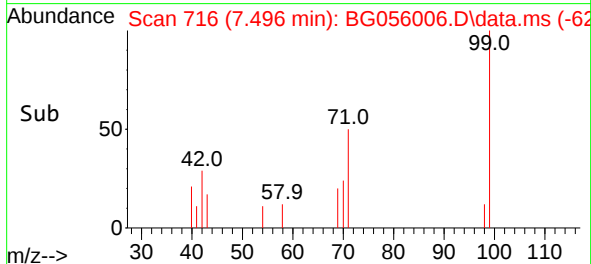
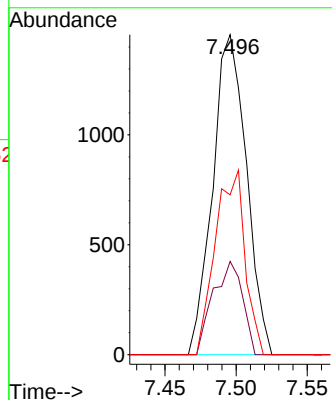
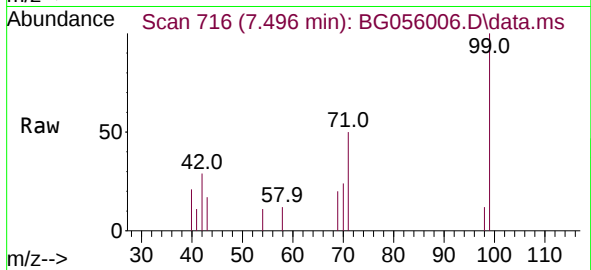
#7
Phenol-d6
Concen: 4.375 ng
RT: 7.496 min Scan# 716
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL

Tgt Ion: 99 Resp: 240
Ion Ratio Lower Upper
99 100
42 29.1 24.3 36.5
71 49.9 45.6 68.4

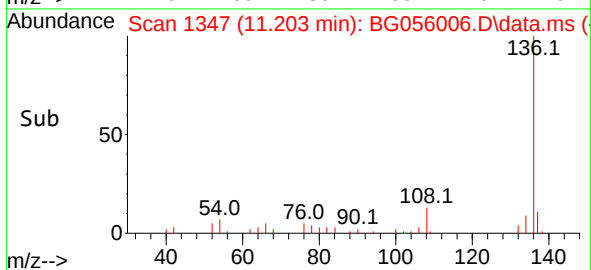
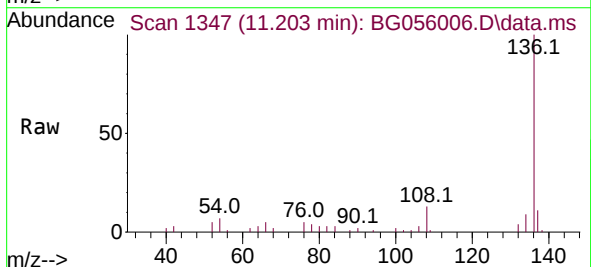
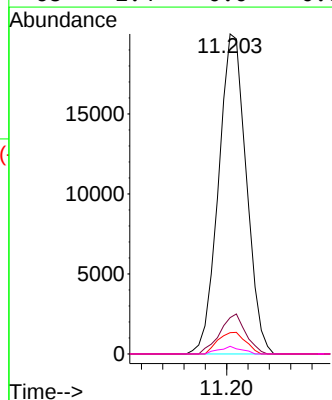
Manual Integrations
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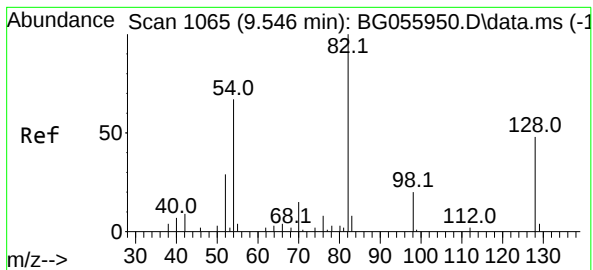
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Tgt Ion:136 Resp: 36110
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 6.6 5.6 8.4
68 2.4 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 3.183 ng

RT: 9.534 min Scan# 1063

Delta R.T. -0.011 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

Tgt Ion: 82 Resp: 164

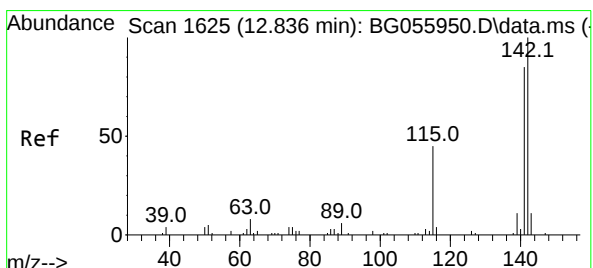
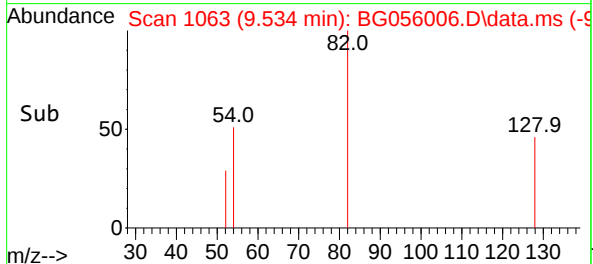
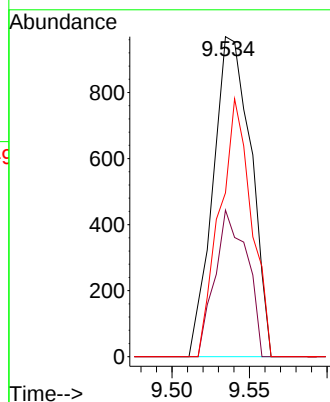
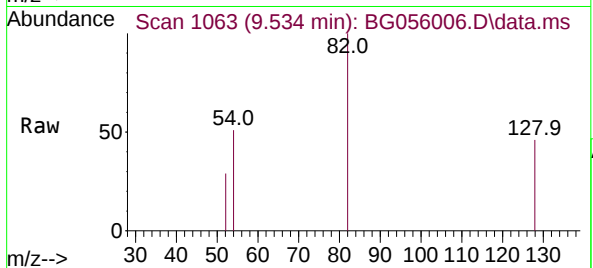
Ion	Ratio	Lower	Upper
82	100		
128	45.8	38.4	57.6
54	51.2	53.3	79.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2022

Supervised By :mohammad ahmed 12/19/2022



#37

2-Methylnaphthalene

Concen: 2.925 ng

RT: 12.831 min Scan# 1624

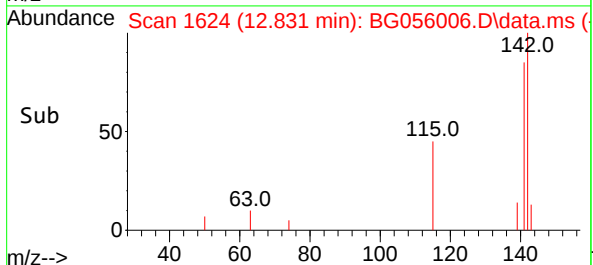
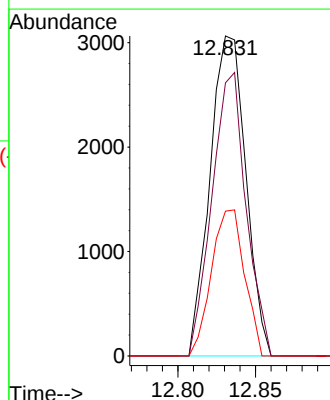
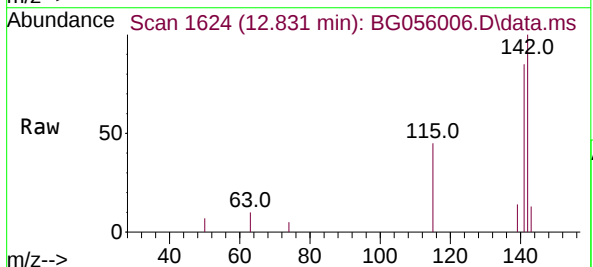
Delta R.T. -0.005 min

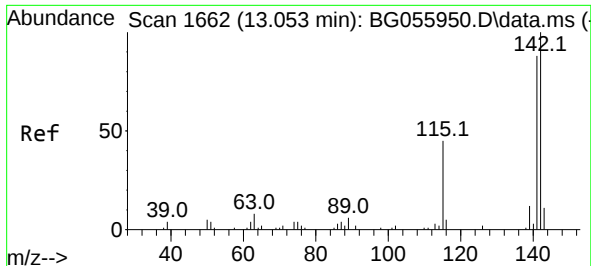
Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Tgt Ion:142 Resp: 4924

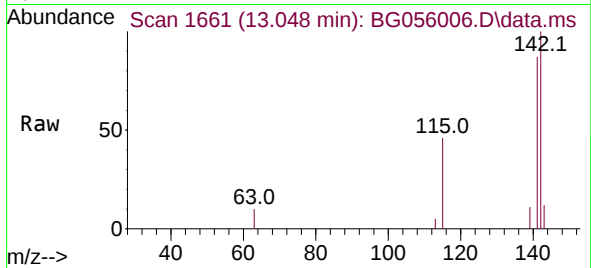
Ion	Ratio	Lower	Upper
142	100		
141	85.3	67.8	101.6
115	45.3	35.7	53.5





#38
1-Methylnaphthalene
Concen: 2.722 ng
RT: 13.048 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

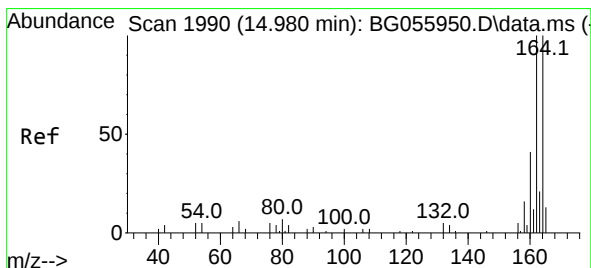
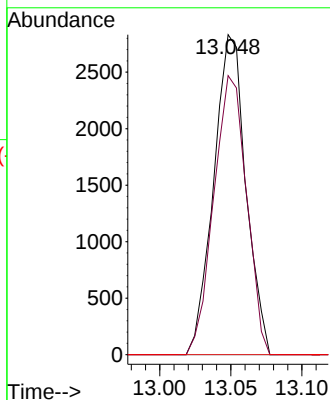
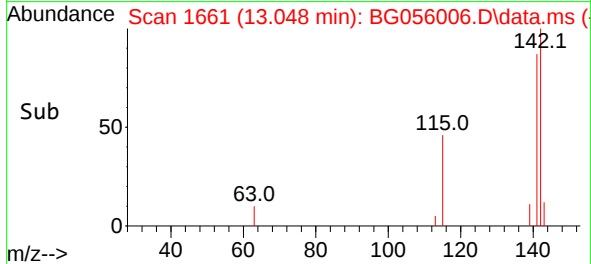
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL



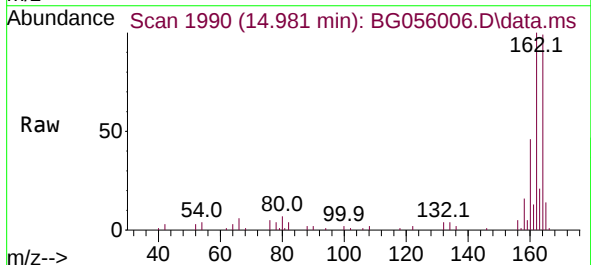
Tgt Ion:142 Resp: 446
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2
116 0.0 3.8 5.8

Manual Integrations
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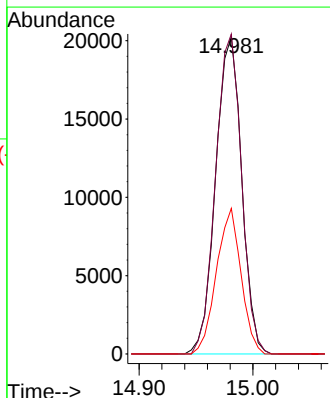
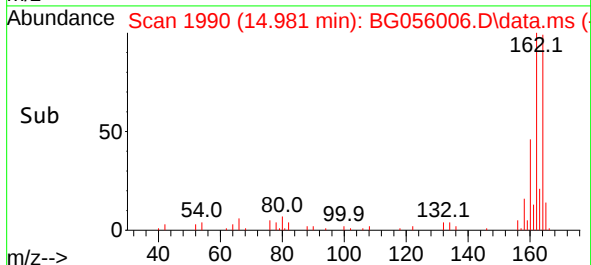
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

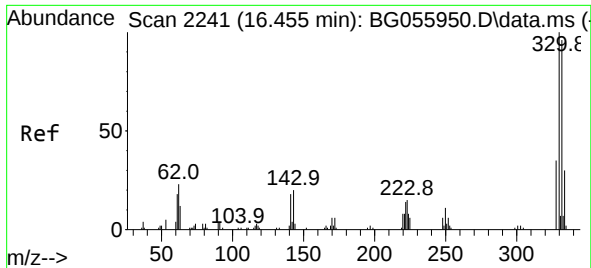


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.981 min Scan# 1990
Delta R.T. 0.001 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18



Tgt Ion:164 Resp: 32167
Ion Ratio Lower Upper
164 100
162 100.9 79.8 119.8
160 45.9 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 3.745 ng
RT: 16.456 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

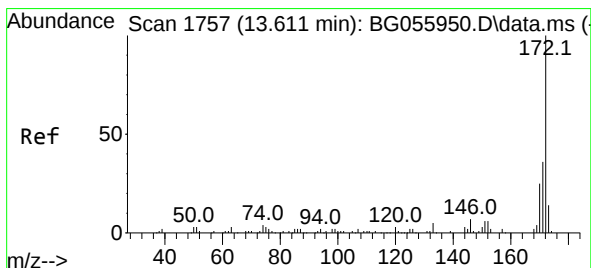
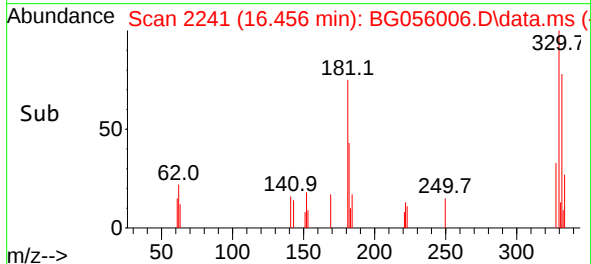
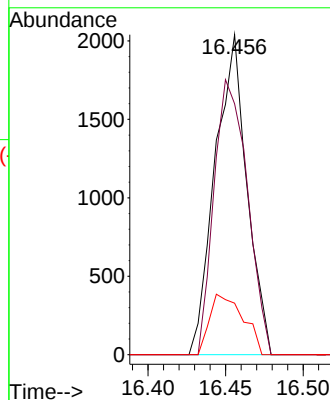
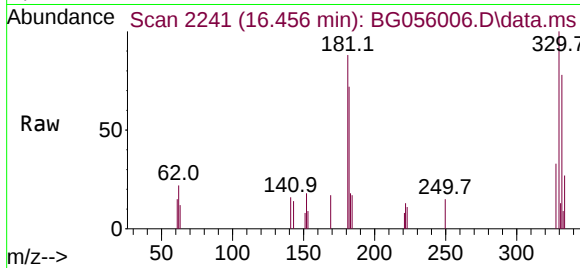
RB-17-(1-3)DL

Tgt Ion:330 Resp: 290
Ion Ratio Lower Upper
330 100
332 90.2 76.6 114.8
141 20.0 15.0 22.4

Manual Integrations

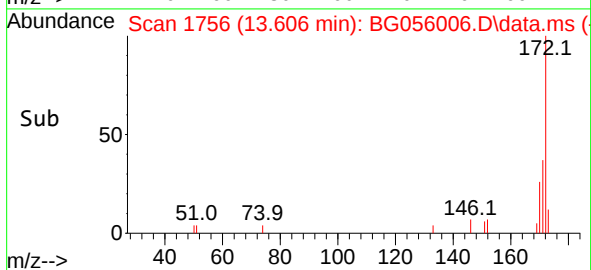
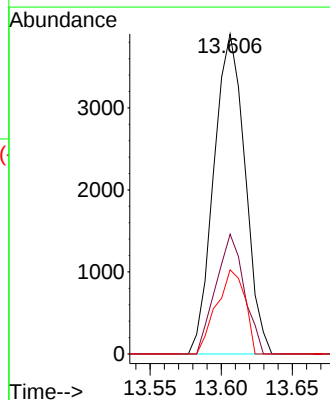
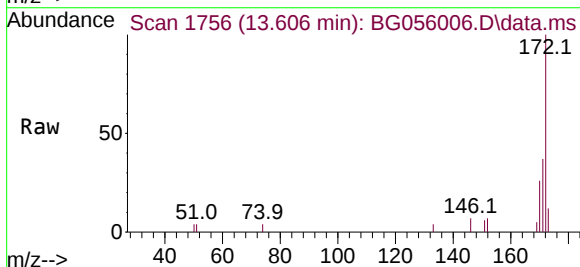
APPROVED

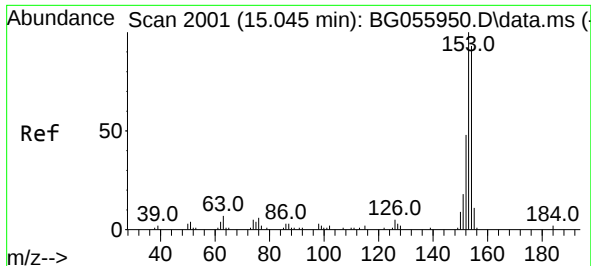
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#45
2-Fluorobiphenyl
Concen: 2.594 ng
RT: 13.606 min Scan# 1756
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

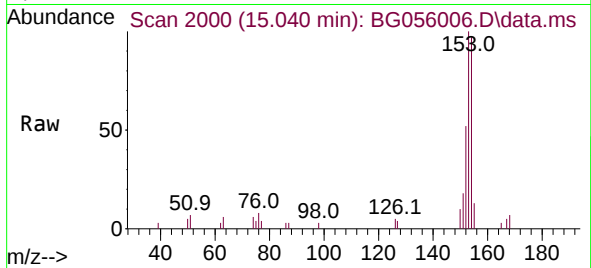
Tgt Ion:172 Resp: 5950
Ion Ratio Lower Upper
172 100
171 37.4 28.6 42.8
170 26.3 19.9 29.9





#52
Acenaphthene
Concen: 4.337 ng
RT: 15.040 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

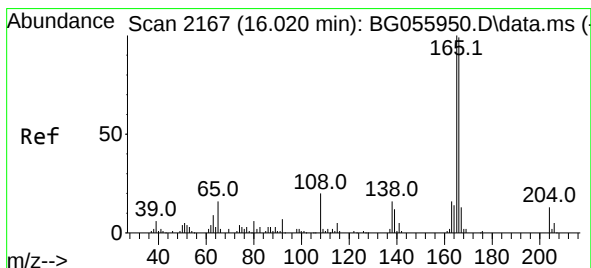
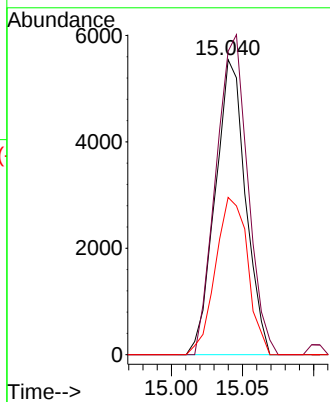
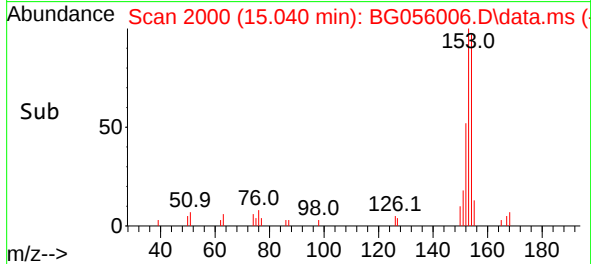
Instrument :
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RB-17-(1-3)DL



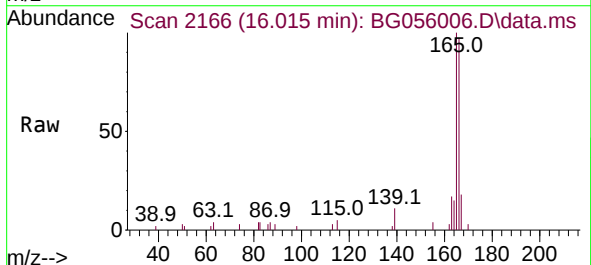
Tgt Ion:154 Resp: 823
Ion Ratio Lower Upper
154 100
153 102.8 86.2 129.2
152 53.3 41.4 62.0

Manual Integrations
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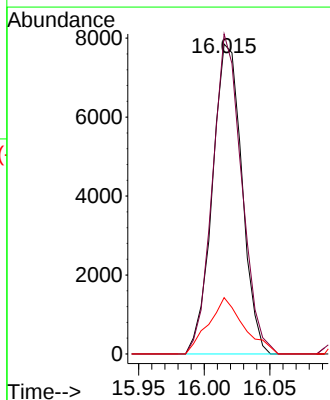
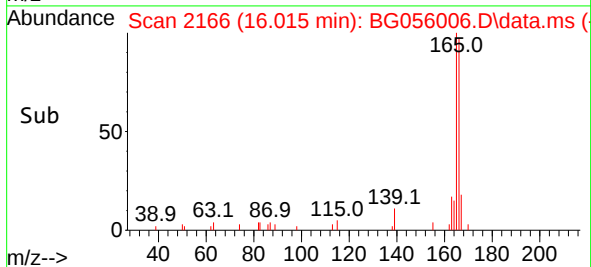
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

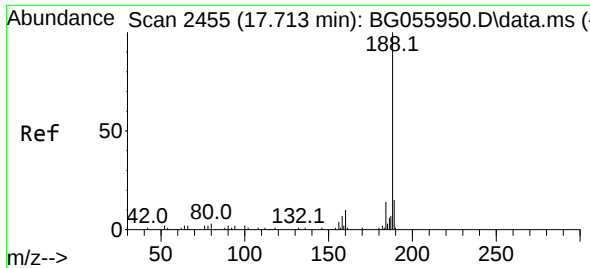


#58
Fluorene
Concen: 4.704 ng
RT: 16.015 min Scan# 2166
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18



Tgt Ion:166 Resp: 12277
Ion Ratio Lower Upper
166 100
165 103.3 81.1 121.7
167 18.2 10.5 15.7#





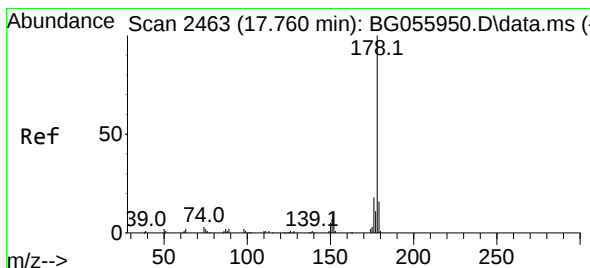
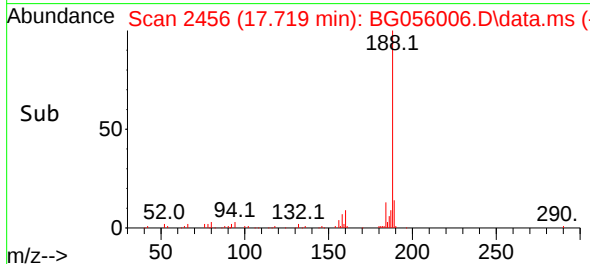
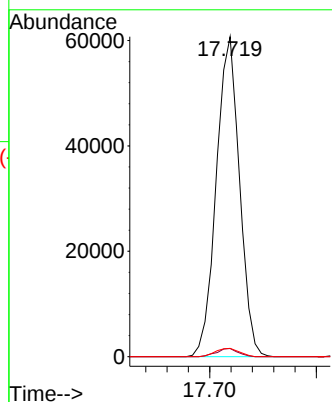
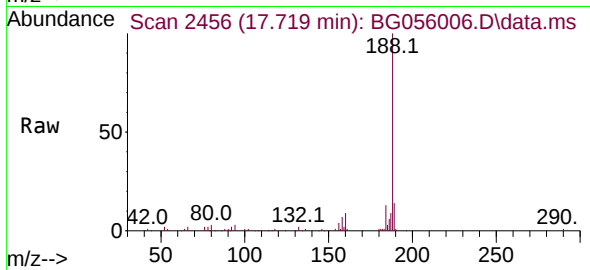
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.719 min Scan# 2455
Delta R.T. 0.001 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL

Tgt Ion:188 Resp: 91711
Ion Ratio Lower Upper
188 100
94 2.5 1.8 2.8
80 2.6 2.4 3.6

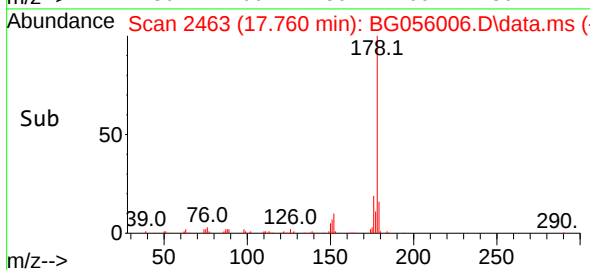
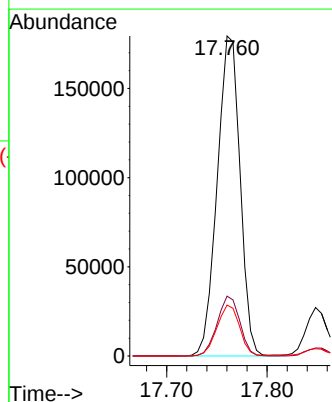
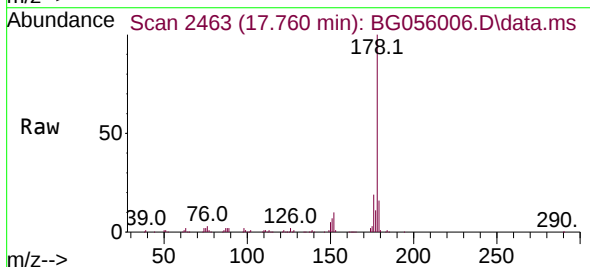
Manual Integrations
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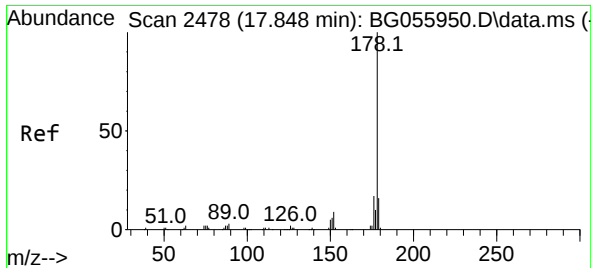
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#71
Phenanthrene
Concen: 58.991 ng
RT: 17.760 min Scan# 2463
Delta R.T. 0.001 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

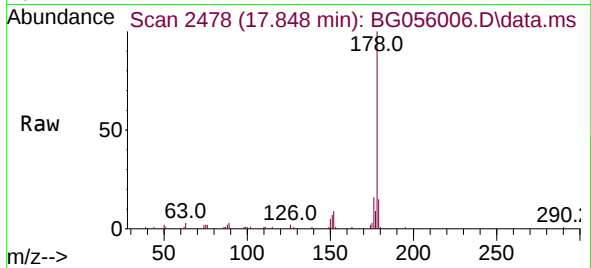
Tgt Ion:178 Resp: 283527
Ion Ratio Lower Upper
178 100
176 18.7 14.4 21.6
179 15.9 12.7 19.1





#72
 Anthracene
 Concen: 8.214 ng
 RT: 17.848 min Scan# 2478
 Delta R.T. -0.005 min
 Lab File: BG056006.D
 Acq: 16 Dec 2022 23:18

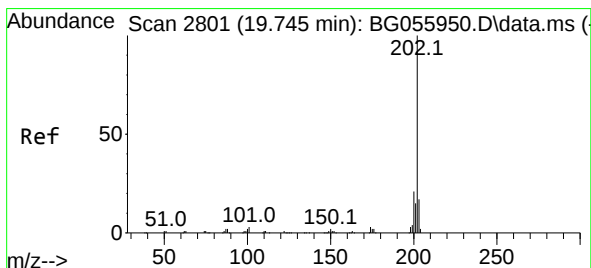
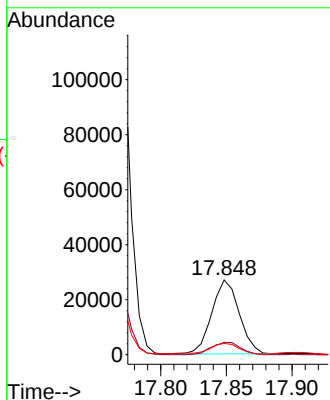
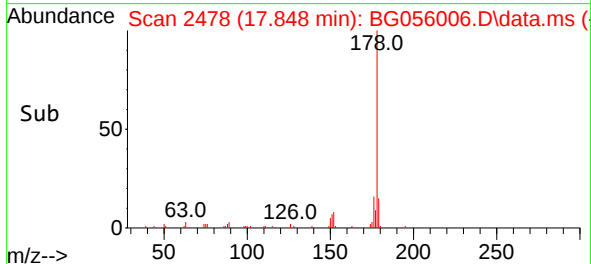
Instrument :
 BNA_G
 ClientSampleId :
 RB-17-(1-3)DL



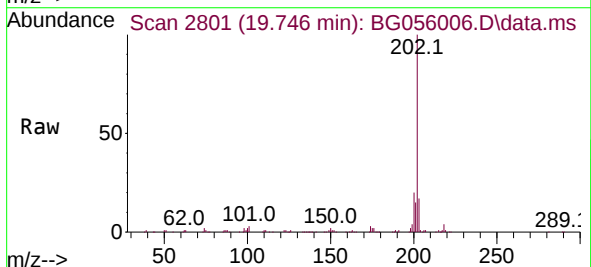
Tgt Ion:178 Resp: 39058
 Ion Ratio Lower Upper
 178 100
 176 16.4 13.9 20.9
 179 15.0 12.7 19.1

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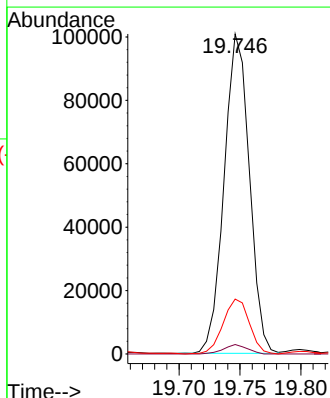
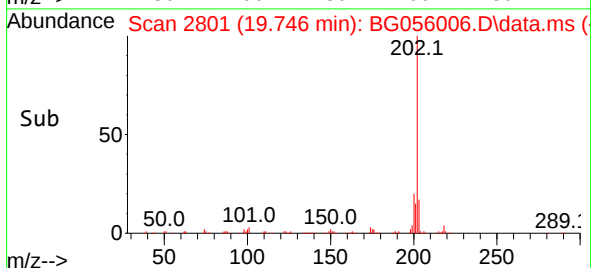
Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022

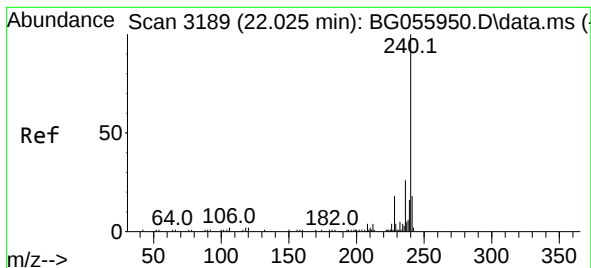


#75
 Fluoranthene
 Concen: 21.574 ng
 RT: 19.746 min Scan# 2801
 Delta R.T. -0.005 min
 Lab File: BG056006.D
 Acq: 16 Dec 2022 23:18



Tgt Ion:202 Resp: 145194
 Ion Ratio Lower Upper
 202 100
 101 2.9 0.0 22.6
 203 17.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.026 min Scan# 3189

Delta R.T. -0.005 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

Tgt Ion:240 Resp: 9380

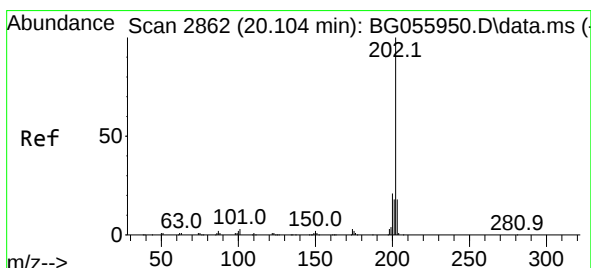
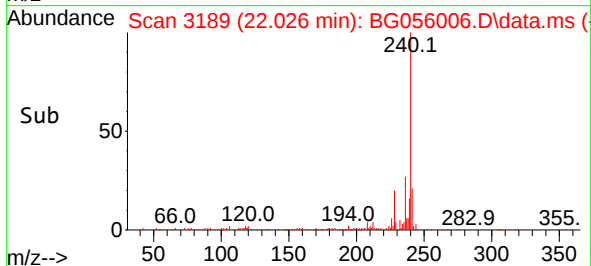
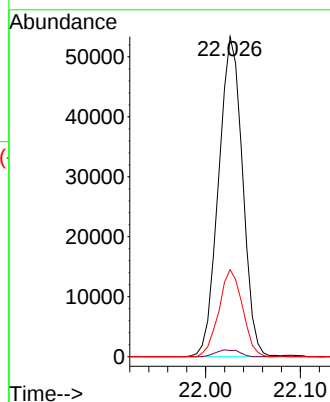
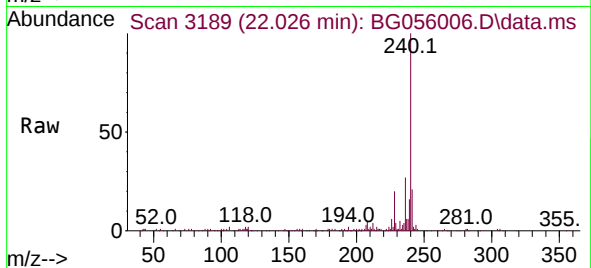
Ion	Ratio	Lower	Upper
240	100		
120	1.9	1.7	2.5
236	27.2	21.1	31.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2022

Supervised By :mohammad ahmed 12/19/2022



#78

Pyrene

Concen: 39.037 ng

RT: 20.110 min Scan# 2863

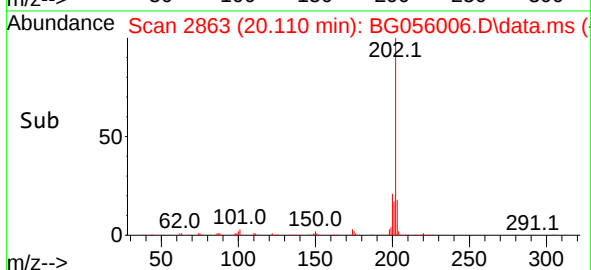
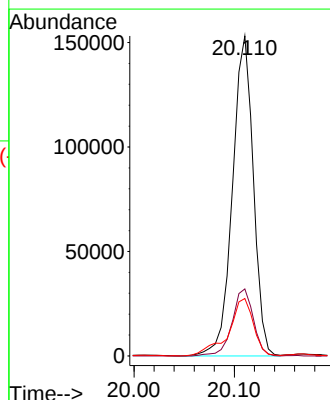
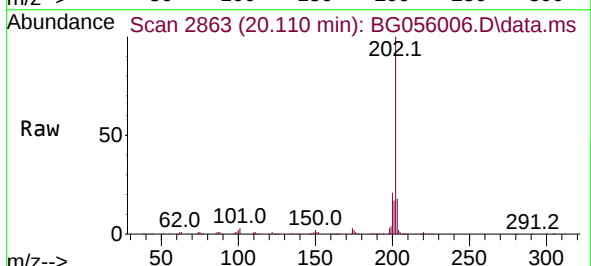
Delta R.T. 0.001 min

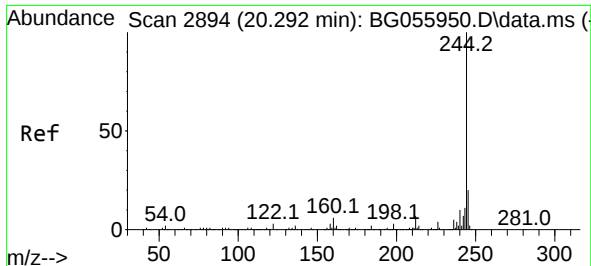
Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Tgt Ion:202 Resp: 221575

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	18.0	14.6	21.8





#79
 Terphenyl-d14
 Concen: 2.573 ng
 RT: 20.287 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056006.D
 Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

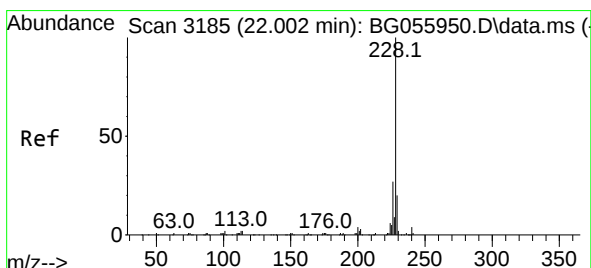
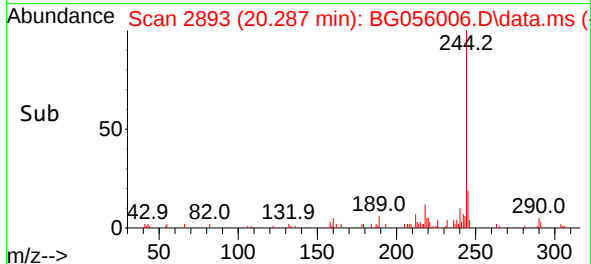
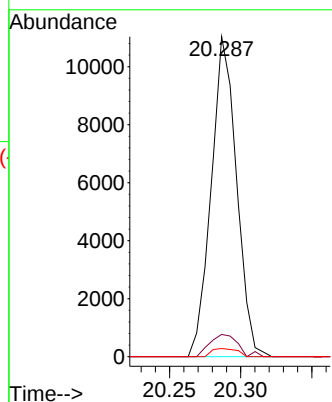
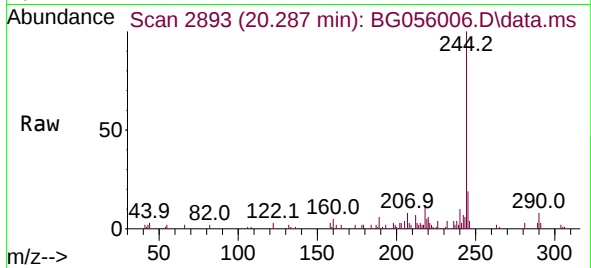
RB-17-(1-3)DL

Tgt Ion:244 Resp: 1365
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 2.5 2.5 3.7

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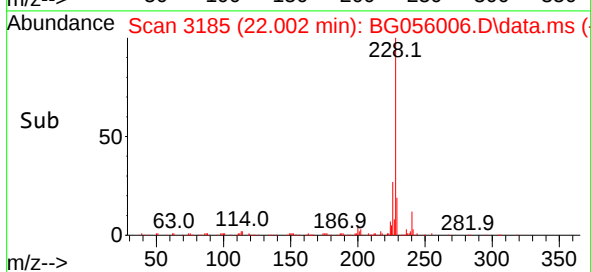
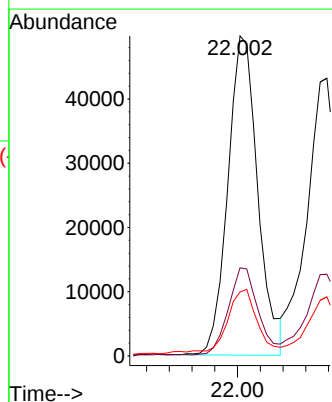
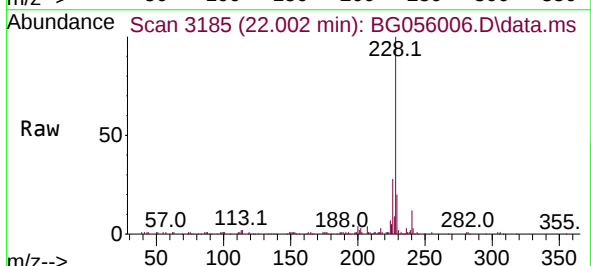
APPROVED

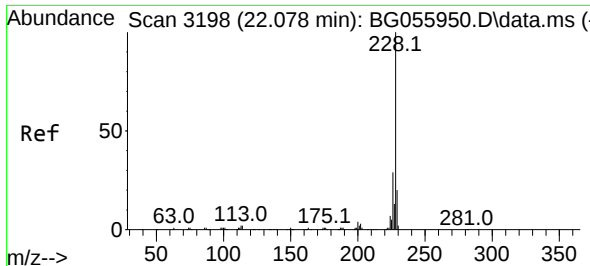
Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022



#81
 Benzo(a)anthracene
 Concen: 13.764 ng
 RT: 22.002 min Scan# 3185
 Delta R.T. -0.005 min
 Lab File: BG056006.D
 Acq: 16 Dec 2022 23:18

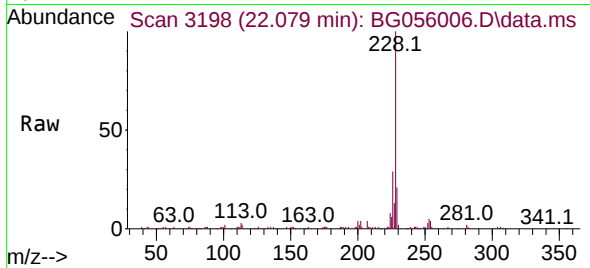
Tgt Ion:228 Resp: 90854
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.8 32.6
 229 20.0 15.9 23.9





#83
Chrysene
Concen: 13.593 ng
RT: 22.079 min Scan# 3198
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

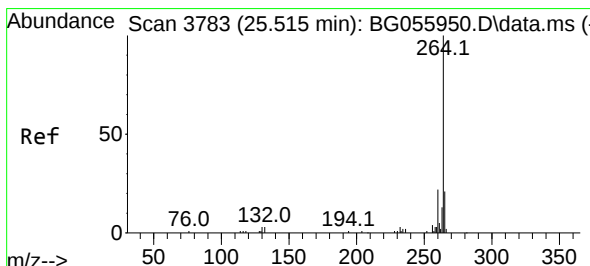
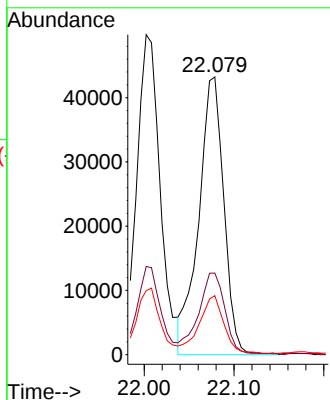
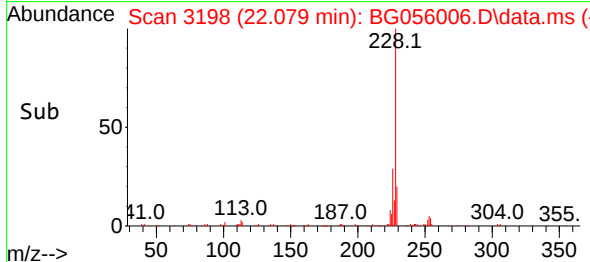
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL



Tgt Ion:228 Resp: 8409
Ion Ratio Lower Upper
228 100
226 29.4 23.1 34.7
229 21.3 15.7 23.5

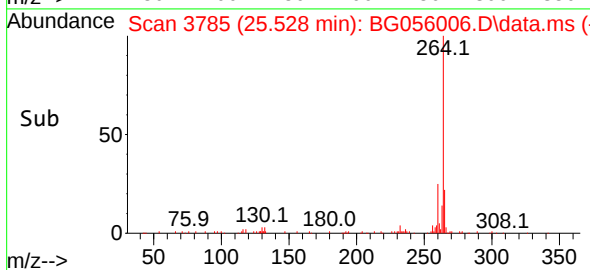
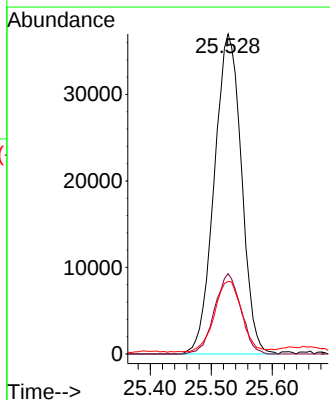
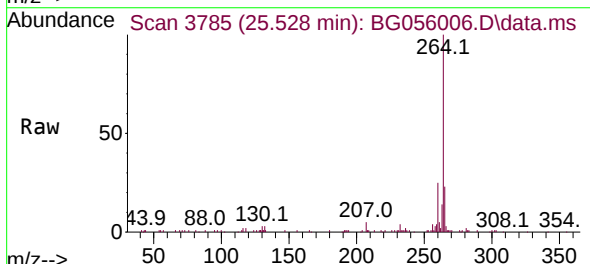
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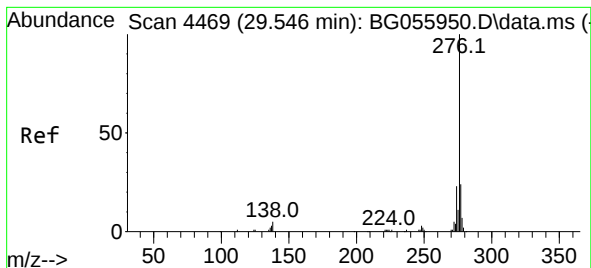
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.528 min Scan# 3785
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Tgt Ion:264 Resp: 114630
Ion Ratio Lower Upper
264 100
260 25.1 17.8 26.8
265 22.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.326 ng

RT: 29.546 min Scan# 4469

Delta R.T. -0.023 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

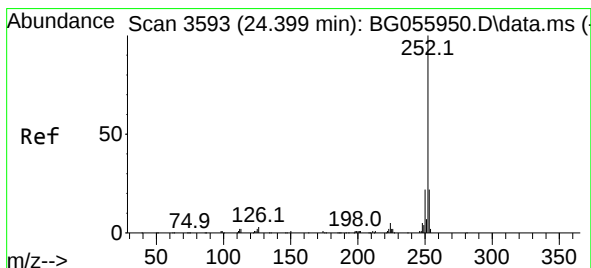
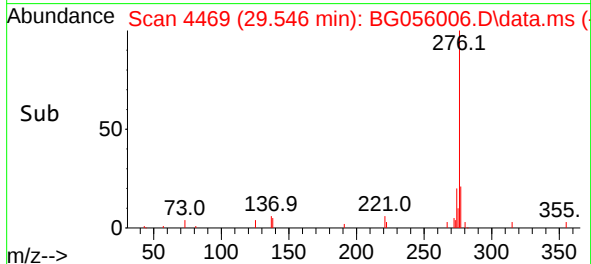
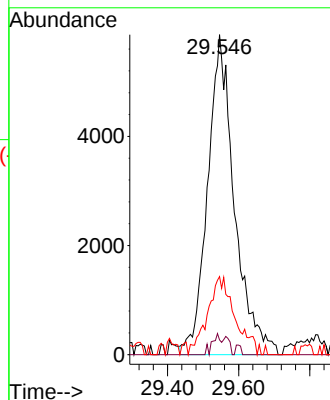
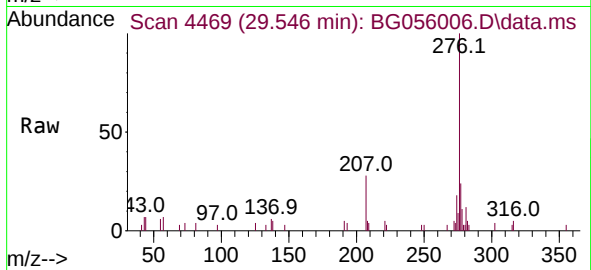
Tgt Ion:276 Resp: 3065
 Ion Ratio Lower Upper
 276 100
 138 2.1 3.0 4.4
 277 25.1 20.4 30.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2022

Supervised By :mohammad ahmed 12/19/2022



#88

Benzo(b)fluoranthene

Concen: 7.932 ng

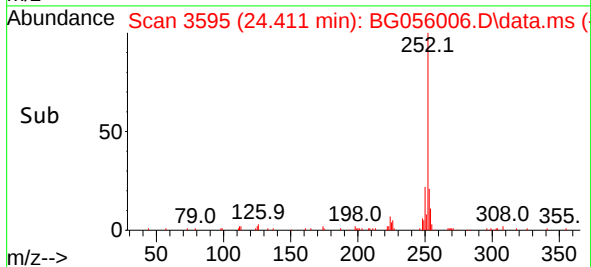
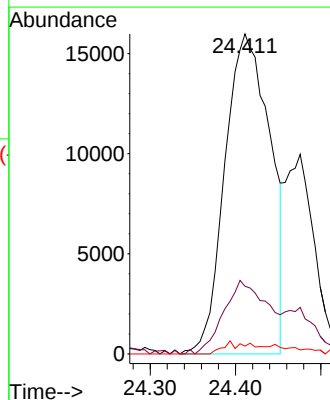
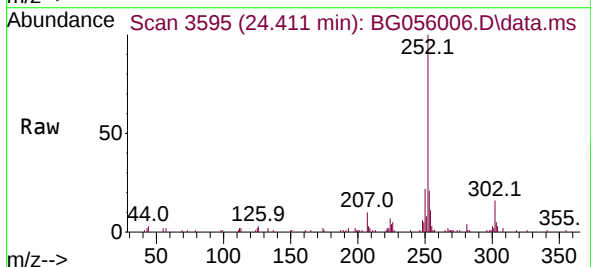
RT: 24.411 min Scan# 3595

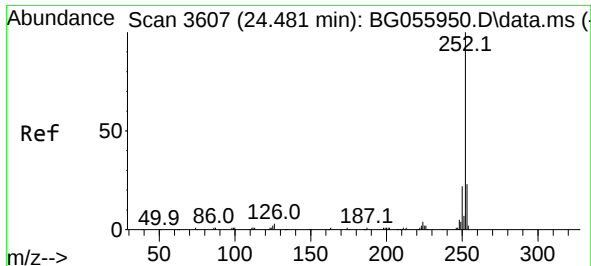
Delta R.T. -0.005 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Tgt Ion:252 Resp: 58848
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.4 26.0
 125 2.5 1.8 2.8





#89

Benzo(k)fluoranthene

Concen: 3.145 ng m

RT: 24.476 min Scan# 3

Delta R.T. -0.011 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

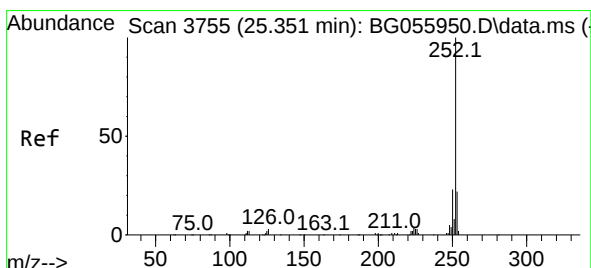
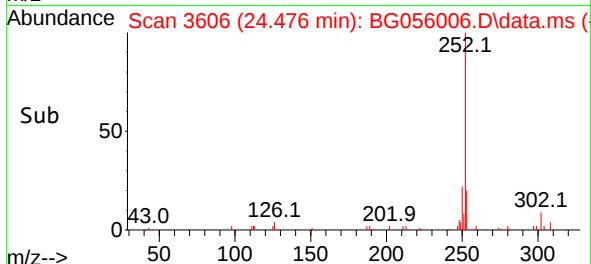
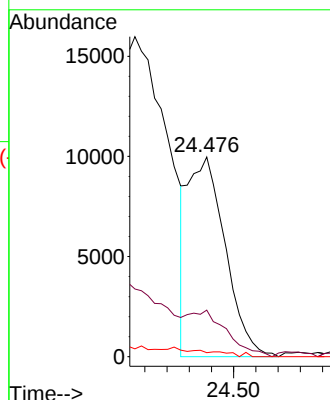
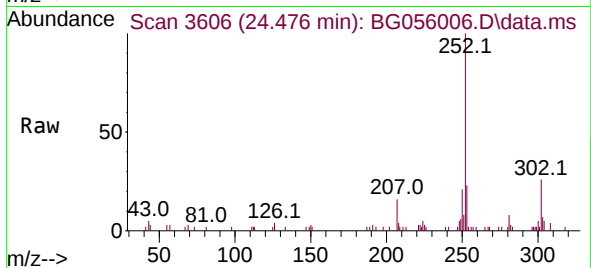
Tgt Ion:	252	Resp:	23280
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	2.0	2.0	3.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2022

Supervised By :mohammad ahmed 12/19/2022



#90

Benzo(a)pyrene

Concen: 8.247 ng

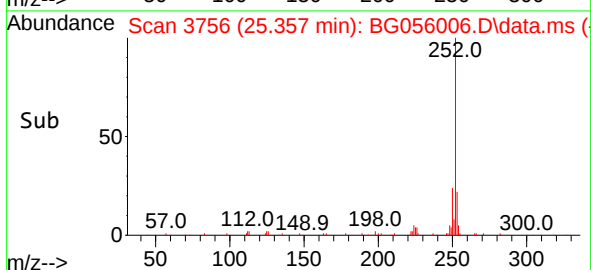
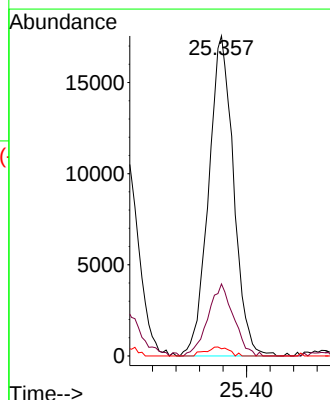
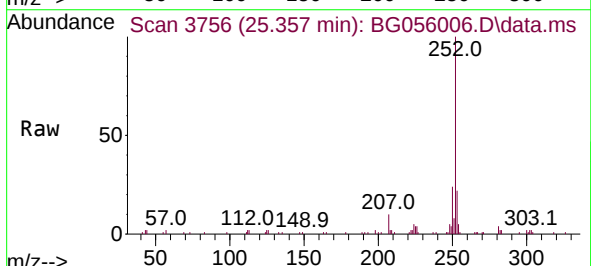
RT: 25.357 min Scan# 3756

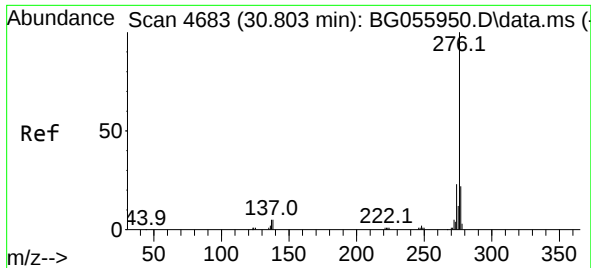
Delta R.T. -0.017 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

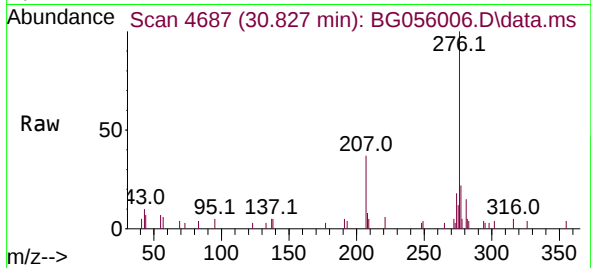
Tgt Ion:	252	Resp:	51715
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.7	26.5
125	2.3	1.9	2.9





#92
Benzo(g,h,i)perylene
Concen: 3.816 ng
RT: 30.827 min Scan# 4687
Delta R.T. -0.011 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL



Tgt Ion: 276 Resp: 2846
Ion Ratio Lower Upper
276 100
277 22.2 17.8 26.6
138 5.0 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

