

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060959.D
 Acq On : 19 Apr 2024 14:52
 Operator : MA/JU
 Sample : P2187-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR200027-E2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

Quant Time: Apr 19 15:40:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	26775	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	106600	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	90853	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	214620	20.000	ng	# 0.00
76) Chrysene-d12	21.572	240	209731	20.000	ng	# 0.00
86) Perylene-d12	24.692	264	248365	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	142014	92.129	ng	0.00
7) Phenol-d6	7.106	99	200003	90.066	ng	0.00
23) Nitrobenzene-d5	9.092	82	146305	62.307	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	172256	114.767	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	385675	62.294	ng	0.00
79) Terphenyl-d14	19.938	244	769552	64.037	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	53150	4.893	ng	98
75) Fluoranthene	19.369	202	151491	10.956	ng	97
78) Pyrene	19.727	202	128193	8.910	ng	99
81) Benzo(a)anthracene	21.554	228	79255	5.351	ng	97
83) Chrysene	21.613	228	96025	6.791	ng	96
87) Indeno(1,2,3-cd)pyrene	28.211	276	54123m	3.151	ng	
88) Benzo(b)fluoranthene	23.705	252	114594m	8.155	ng	
89) Benzo(k)fluoranthene	23.763	252	43160m	3.002	ng	
90) Benzo(a)pyrene	24.539	252	72361m	5.223	ng	
92) Benzo(g,h,i)perylene	29.327	276	48252	3.491	ng	# 86

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

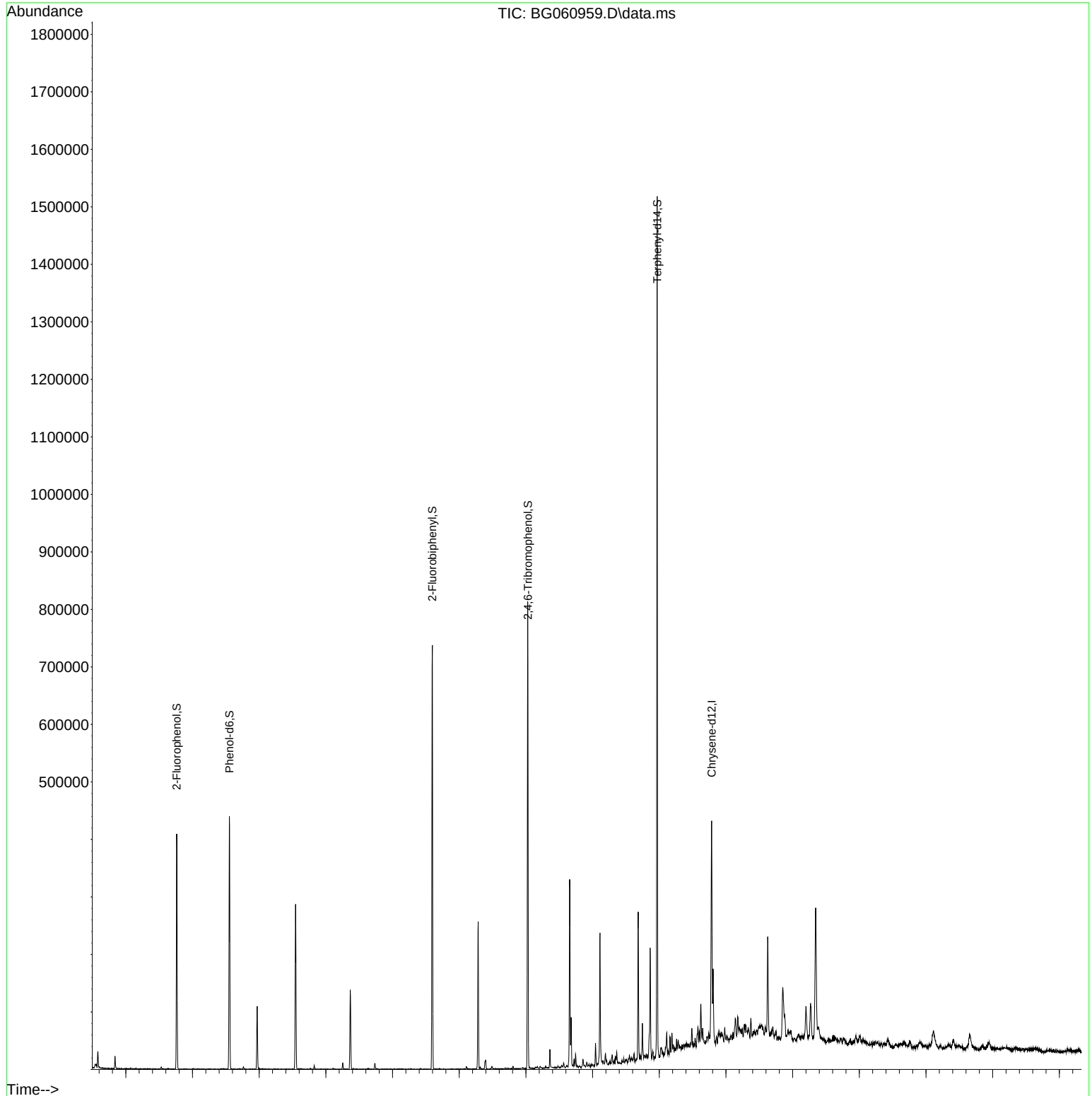
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
Data File : BG060959.D
Acq On : 19 Apr 2024 14:52
Operator : MA/JU
Sample : P2187-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

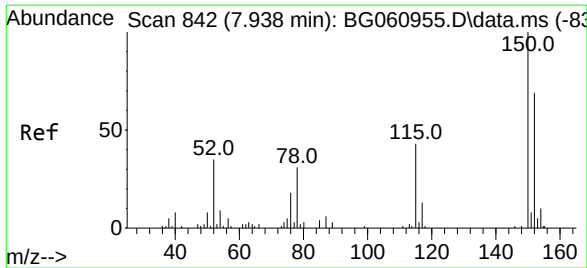
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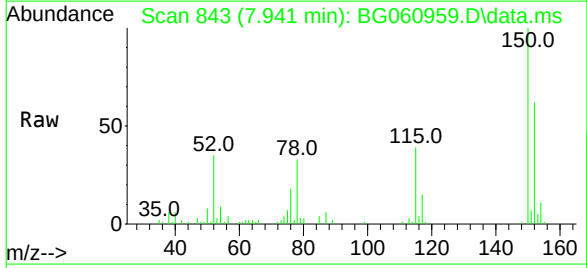
Quant Time: Apr 19 15:40:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 02:02:19 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

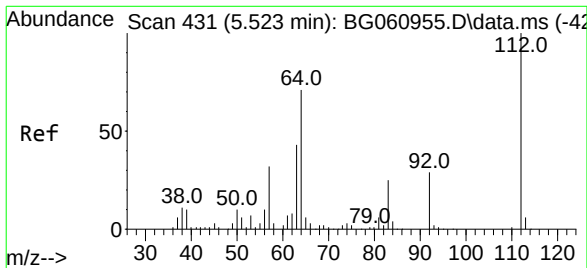
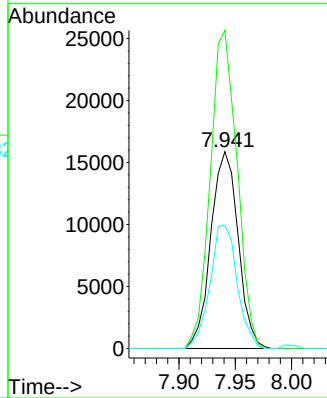
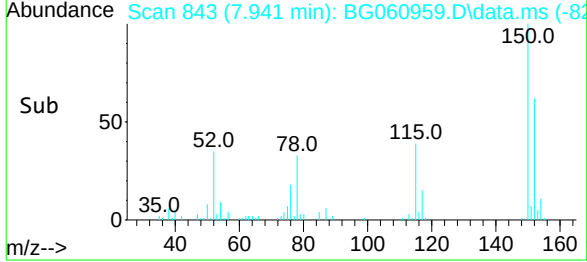
Instrument :
BNA_G
ClientSampleId :
RBR200027-E2



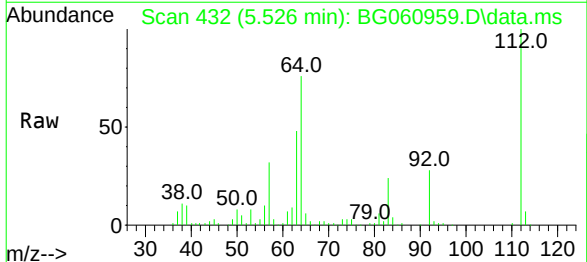
Tgt Ion:152 Resp: 26775
Ion Ratio Lower Upper
152 100
150 161.6 125.6 188.4
115 62.6 47.1 70.7

Manual Integrations
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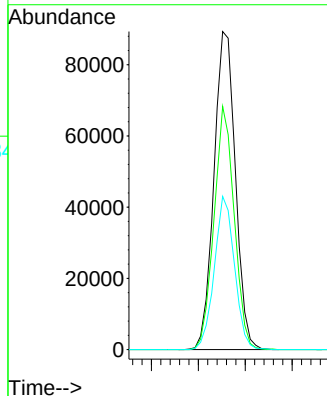
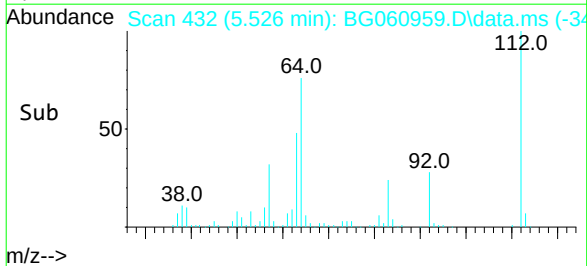
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

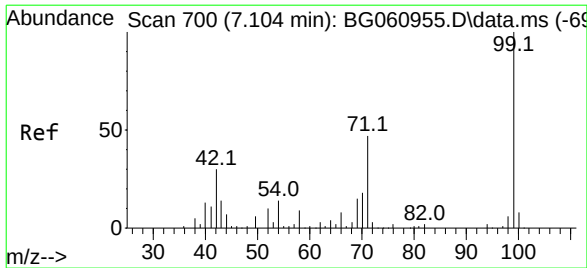


#5
2-Fluorophenol
Concen: 92.129 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52



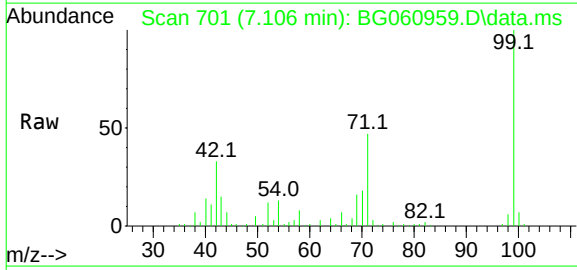
Tgt Ion:112 Resp: 142014
Ion Ratio Lower Upper
112 100
64 76.5 58.9 88.3
63 48.2 32.1 48.1#





#7
Phenol-d6
Concen: 90.066 ng
RT: 7.106 min Scan# 700
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

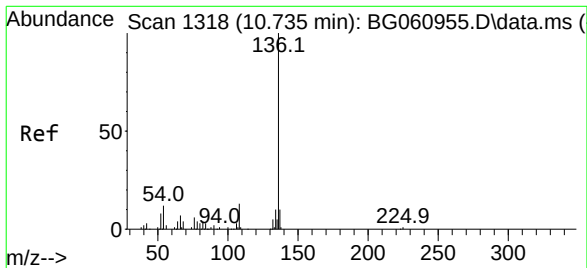
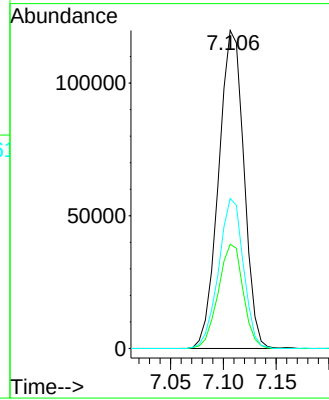
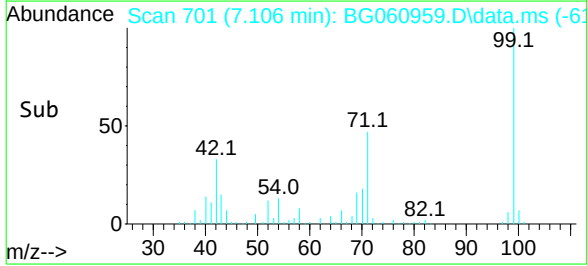
Instrument :
BNA_G
ClientSampleId :
RBR200027-E2



Tgt Ion: 99 Resp: 200003
Ion Ratio Lower Upper
99 100
42 32.8 22.2 33.2
71 47.1 30.5 45.7#

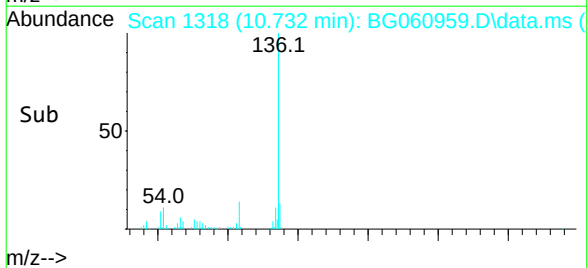
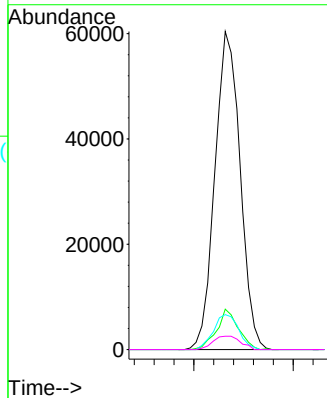
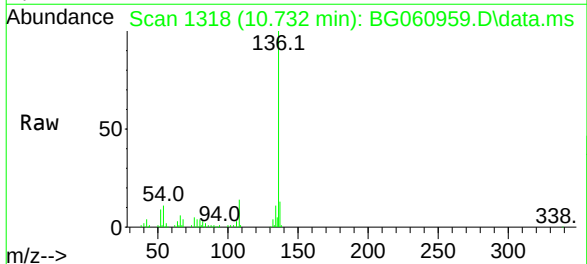
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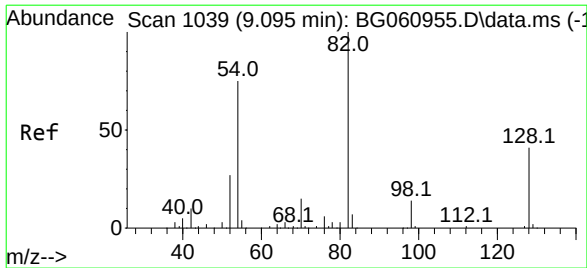
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.007 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

Tgt Ion:136 Resp: 106600
Ion Ratio Lower Upper
136 100
137 12.7 8.8 13.2
54 11.0 9.8 14.8
68 4.2 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 62.307 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

RBR200027-E2

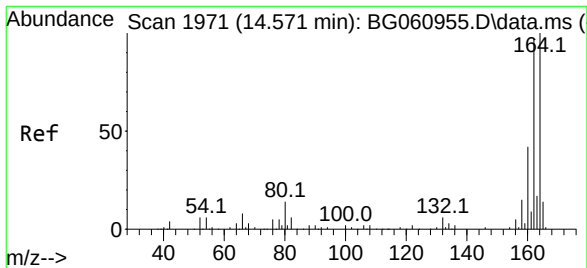
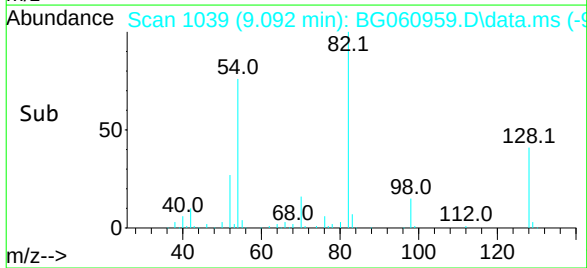
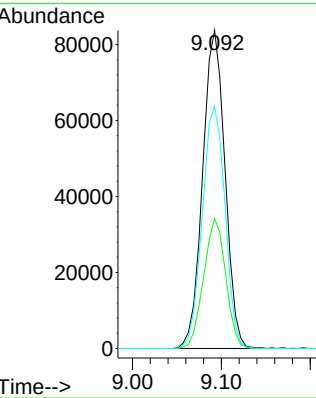
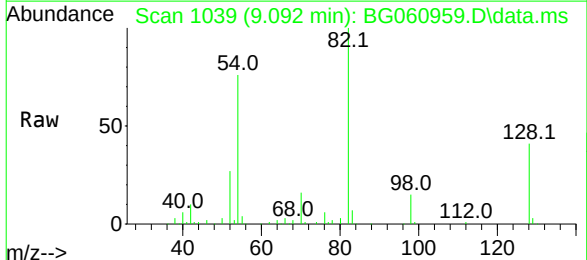
Tgt Ion:	82	Resp:	146305
Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.4	47.0
54	76.1	54.2	81.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

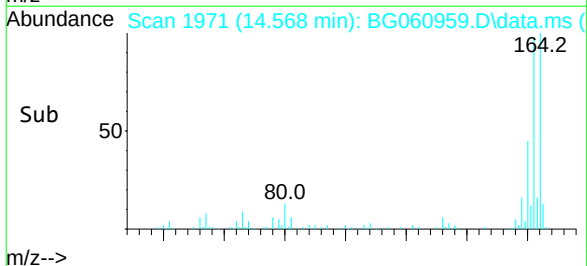
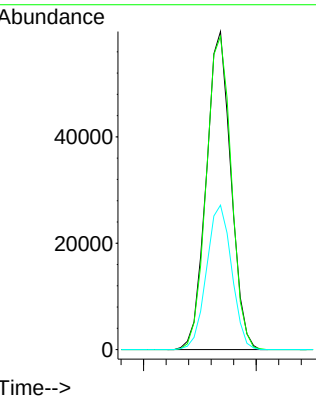
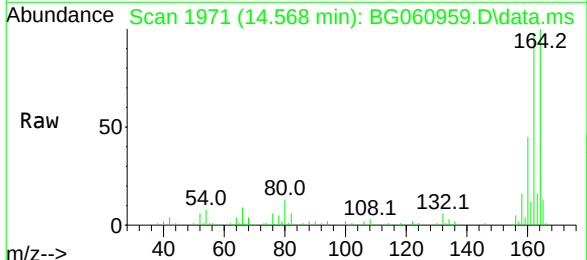
RT: 14.568 min Scan# 1971

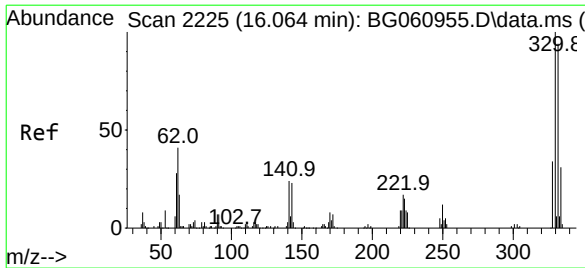
Delta R.T. -0.001 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

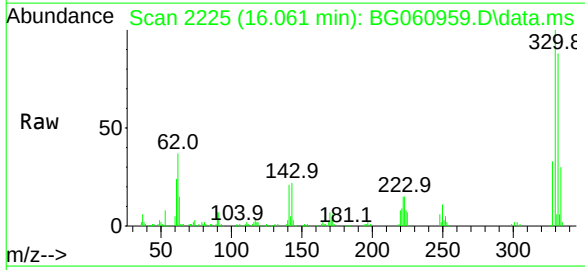
Tgt Ion:	164	Resp:	90853
Ion	Ratio	Lower	Upper
164	100		
162	98.5	84.1	126.1
160	45.4	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 114.767 ng
RT: 16.061 min Scan# 2225
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

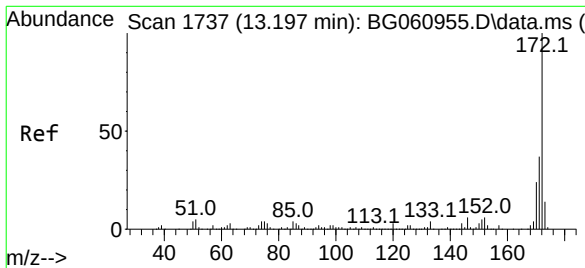
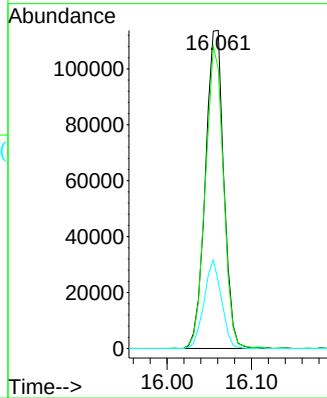
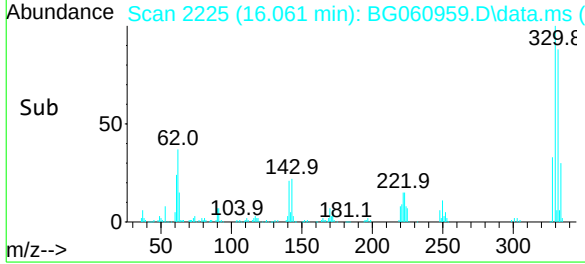
Instrument :
BNA_G
ClientSampleId :
RBR200027-E2



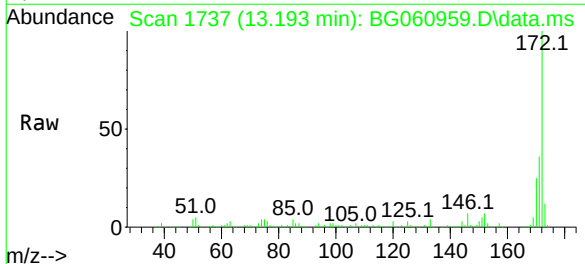
Tgt Ion: 330 Resp: 172256
Ion Ratio Lower Upper
330 100
332 93.6 76.9 115.3
141 26.3 23.7 35.5

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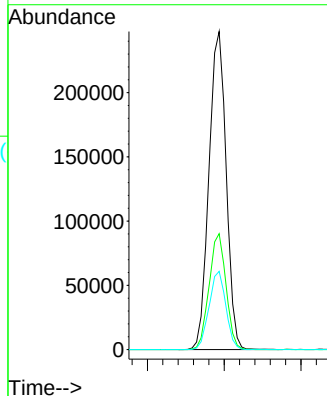
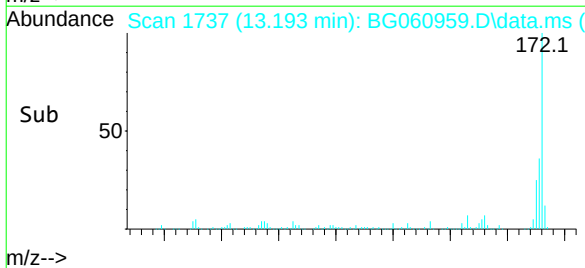
Reviewed By : Yogesh Patel 04/22/2024
Supervised By : mohammad ahmed 04/22/2024

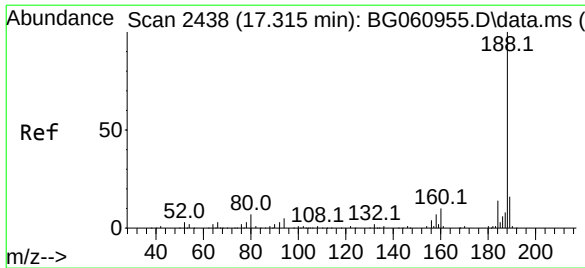


#45
2-Fluorobiphenyl
Concen: 62.294 ng
RT: 13.193 min Scan# 1737
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52



Tgt Ion: 172 Resp: 385675
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 24.6 19.5 29.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 24

Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

RBR200027-E2

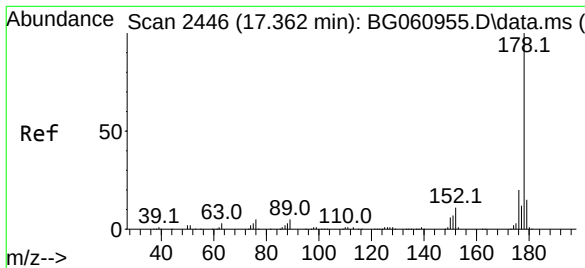
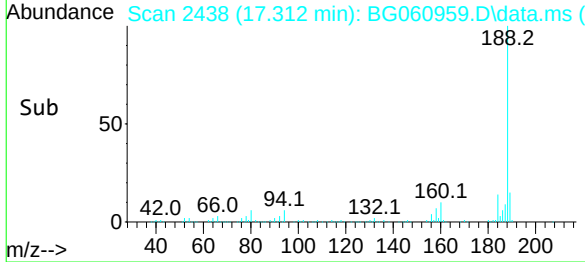
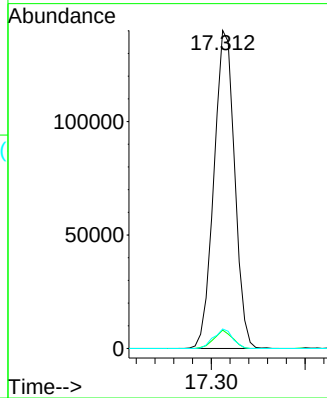
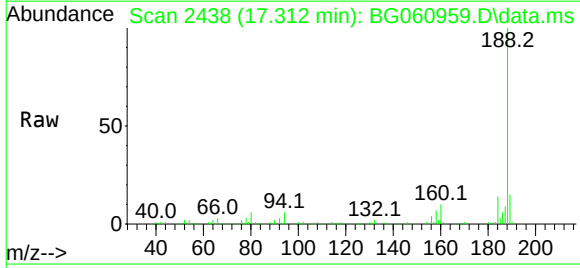
Tgt Ion:	188	Resp:	214620
Ion Ratio	Lower	Upper	
188	100		
94	5.8	5.7	8.5
80	6.1	6.6	9.8

Manual Integrations

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Supervised By :mohammad ahmed 04/22/2024



#71

Phenanthrene

Concen: 4.893 ng

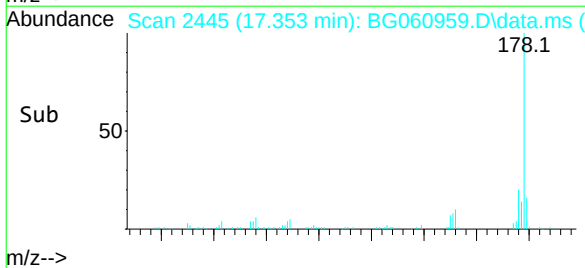
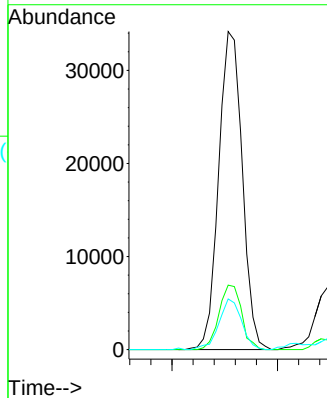
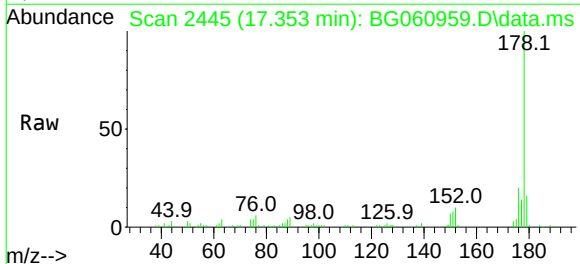
RT: 17.353 min Scan# 2445

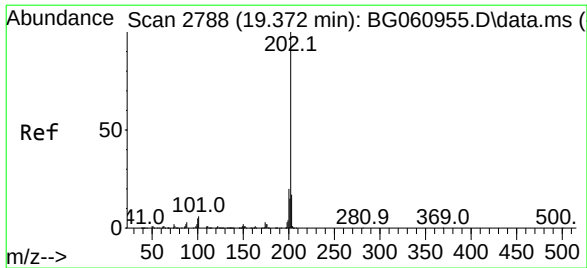
Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Tgt Ion:	178	Resp:	53150
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.4	23.2
179	15.9	12.0	18.0





#75

Fluoranthene

Concen: 10.956 ng

RT: 19.369 min Scan# 27

Delta R.T. -0.001 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

RBR200027-E2

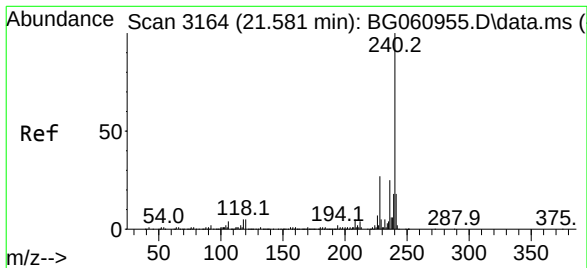
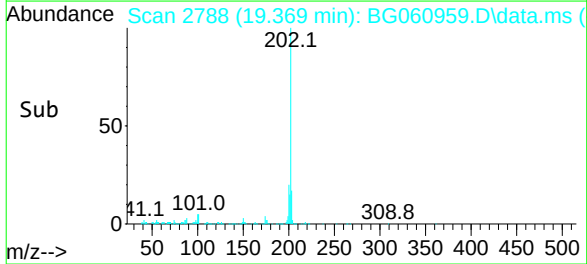
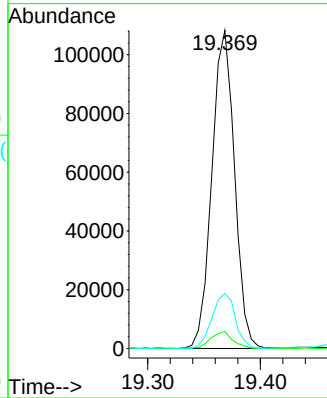
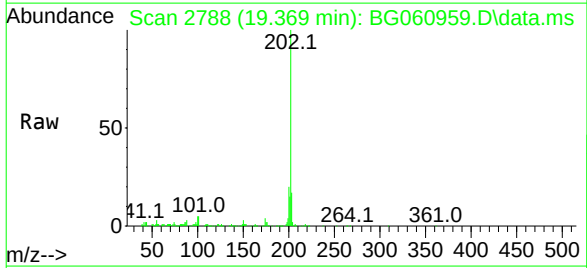
Tgt Ion:	202	Resp:	151491
Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	28.6
203	17.3	0.0	37.3

Manual Integrations

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Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#76

Chrysene-d12

Concen: 20.000 ng

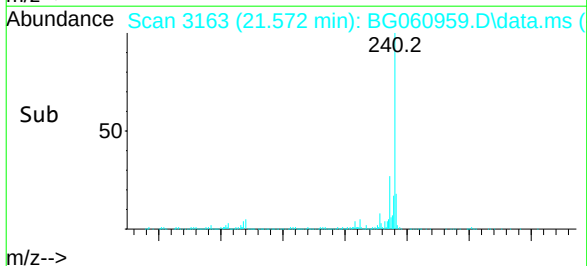
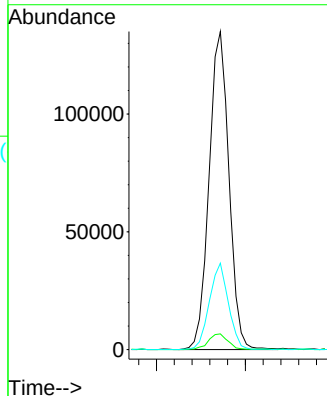
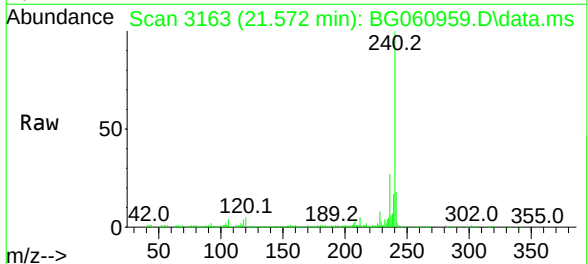
RT: 21.572 min Scan# 3163

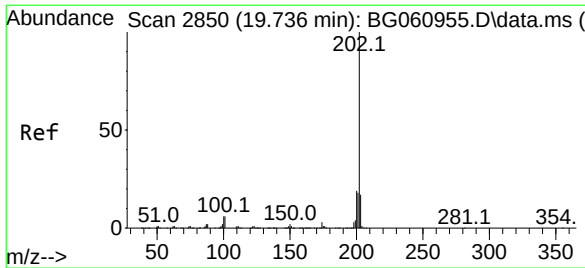
Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Tgt Ion:	240	Resp:	209731
Ion	Ratio	Lower	Upper
240	100		
120	4.9	5.7	8.5#
236	27.2	21.1	31.7





#78

Pyrene

Concen: 8.910 ng

RT: 19.727 min Scan# 28

Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

RBR200027-E2

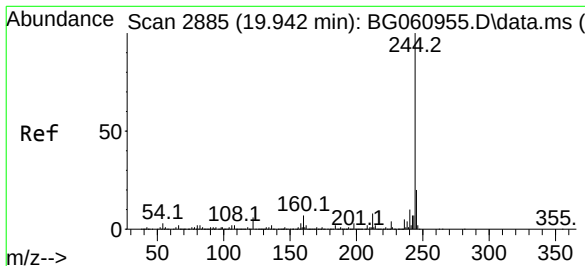
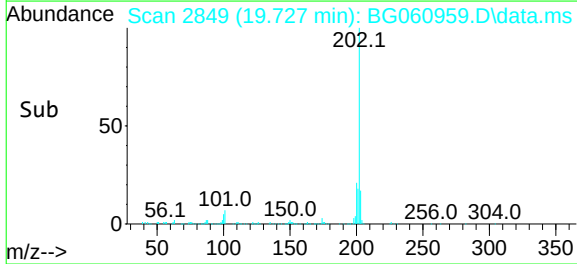
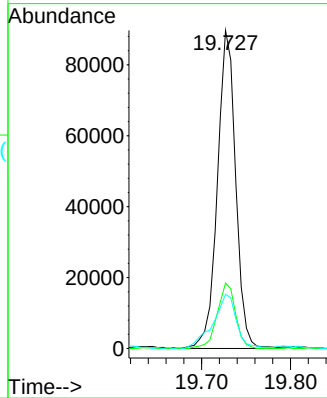
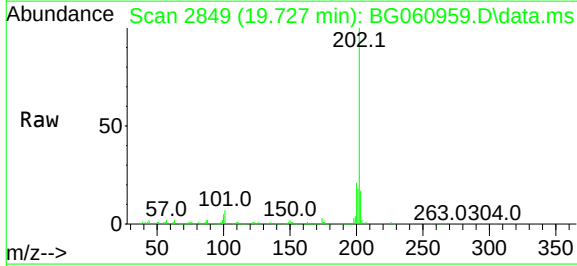
Tgt	Ion:202	Resp:	128193
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.7	25.1
203	17.0	13.8	20.8

Manual Integrations

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Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#79

Terphenyl-d14

Concen: 64.037 ng

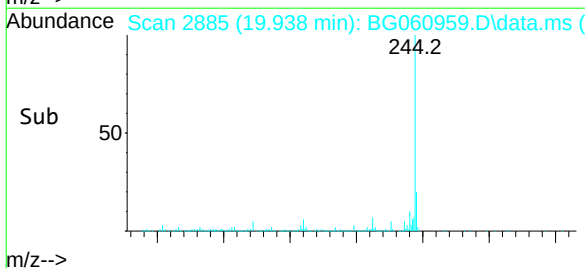
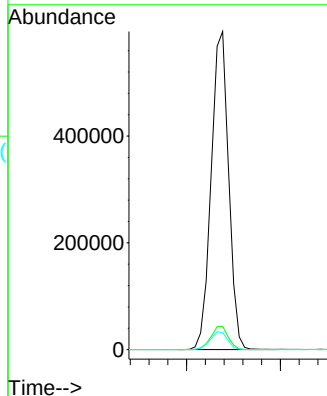
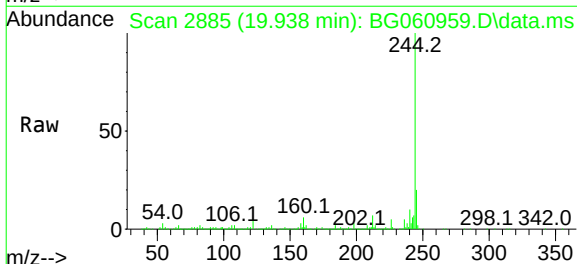
RT: 19.938 min Scan# 2885

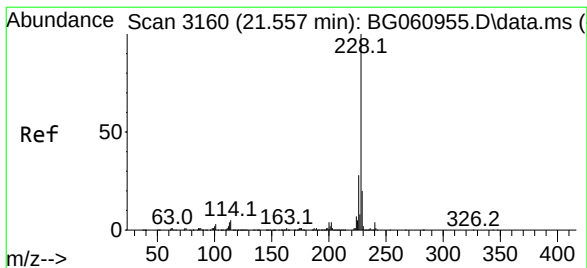
Delta R.T. -0.001 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Tgt	Ion:244	Resp:	769552
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	5.3	6.6	9.8#





#81

Benzo(a)anthracene

Concen: 5.351 ng

RT: 21.554 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG060959.D

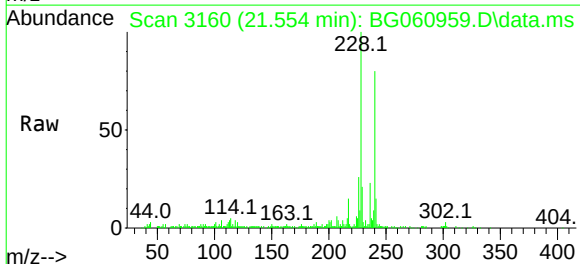
Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

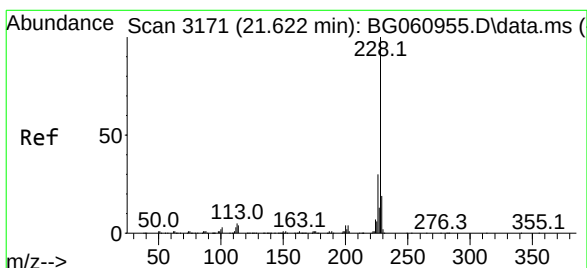
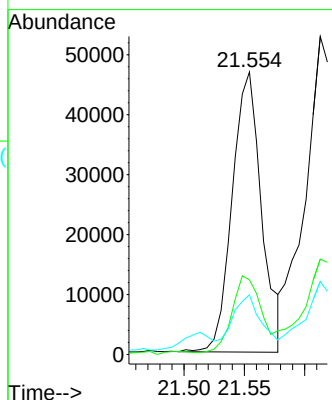
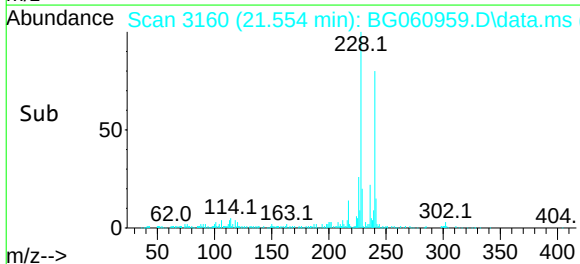
RBR200027-E2



Tgt Ion:	228	Resp:	79255
Ion Ratio	Lower	Upper	
228	100		
226	26.5	22.0	33.0
229	21.1	15.6	23.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#83

Chrysene

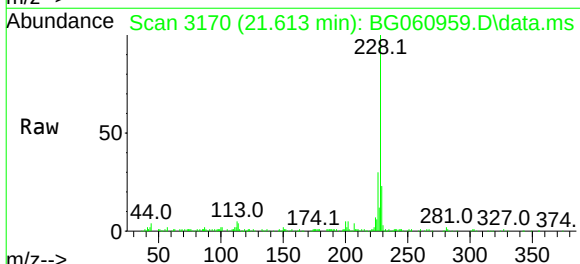
Concen: 6.791 ng

RT: 21.613 min Scan# 3170

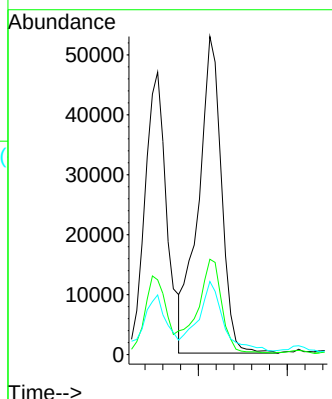
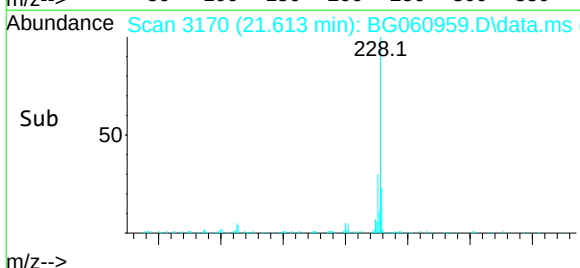
Delta R.T. -0.013 min

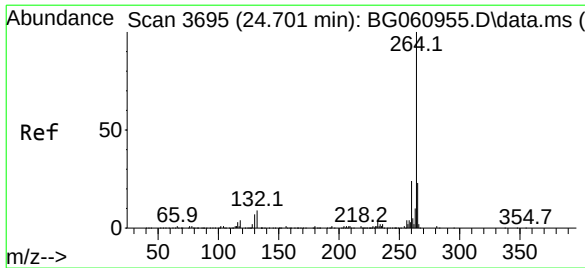
Lab File: BG060959.D

Acq: 19 Apr 2024 14:52



Tgt Ion:	228	Resp:	96025
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.4	36.6
229	23.0	15.6	23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 3694

Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

RBR200027-E2

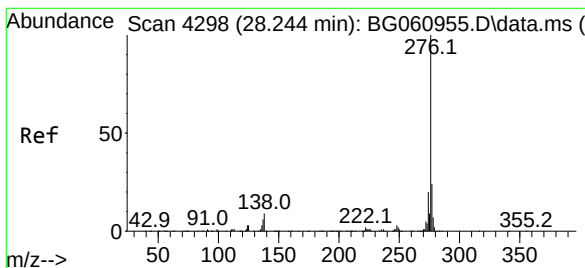
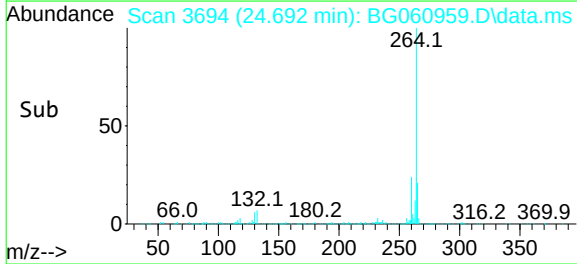
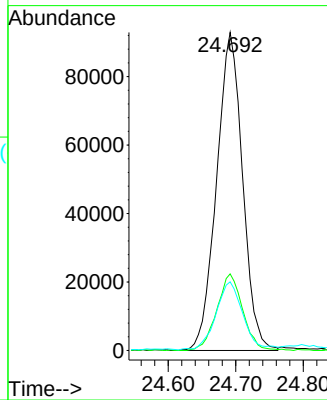
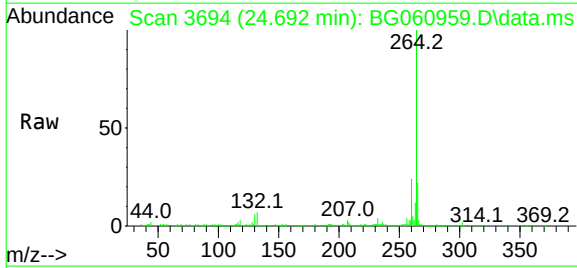
Tgt Ion:	264	Resp:	248365
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.6	29.4
265	21.6	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.151 ng m

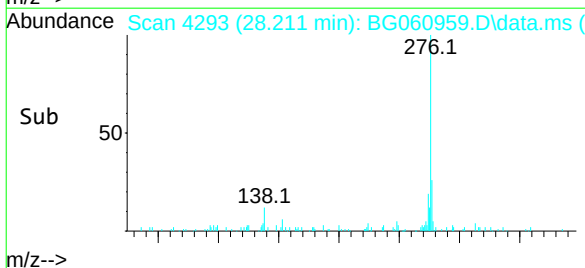
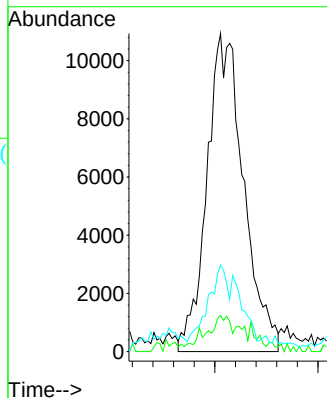
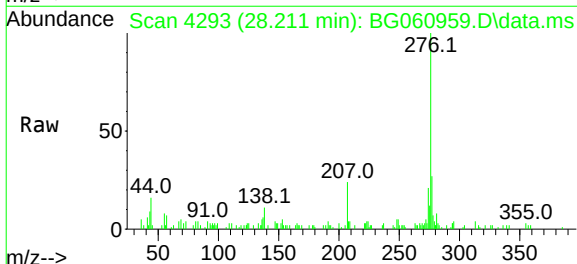
RT: 28.211 min Scan# 4293

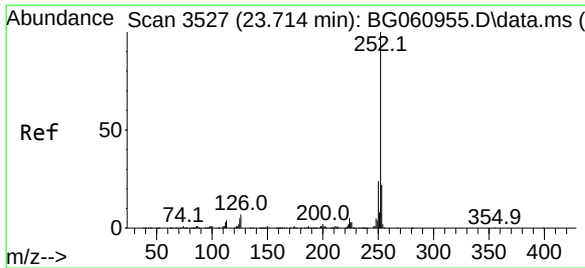
Delta R.T. -0.036 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

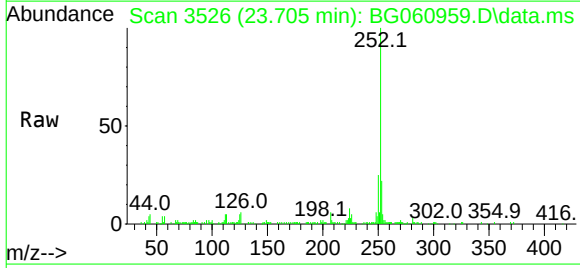
Tgt Ion:	276	Resp:	54123
Ion Ratio	Lower	Upper	
276	100		
138	2.1	10.8	16.2#
277	12.5	20.3	30.5#





#88
Benzo(b)fluoranthene
Concen: 8.155 ng m
RT: 23.705 min Scan# 3527
Delta R.T. -0.013 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

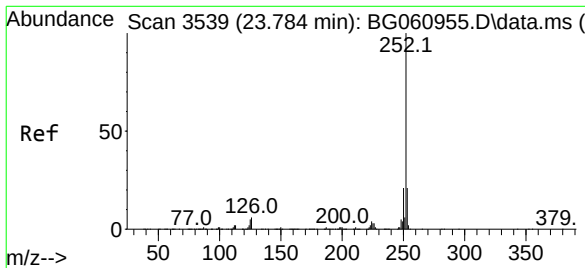
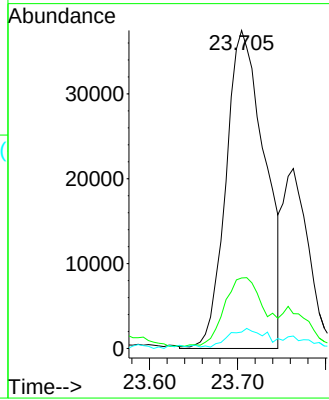
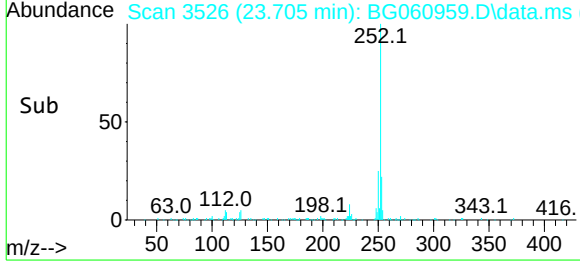
Instrument :
BNA_G
ClientSampleId :
RBR200027-E2



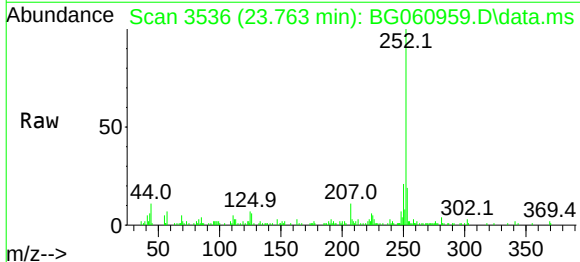
Tgt Ion:252 Resp: 114594
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 5.2 5.6 8.4#

Manual Integrations
APPROVED

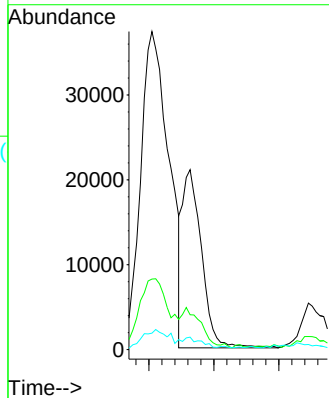
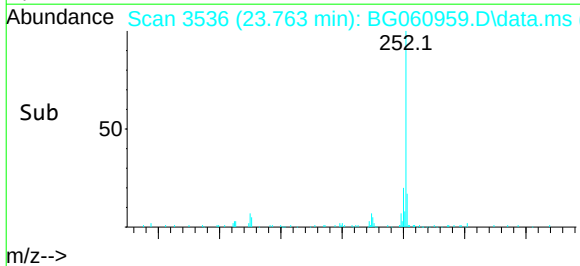
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

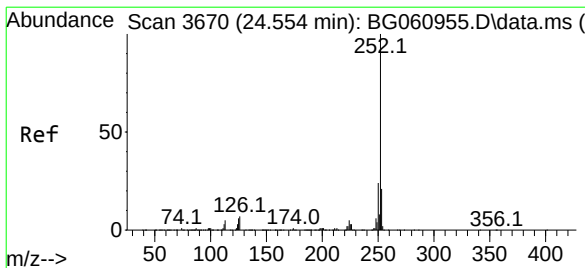


#89
Benzo(k)fluoranthene
Concen: 3.002 ng m
RT: 23.763 min Scan# 3536
Delta R.T. -0.018 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52



Tgt Ion:252 Resp: 43160
Ion Ratio Lower Upper
252 100
253 19.4 17.9 26.9
125 6.9 5.8 8.8





#90

Benzo(a)pyrene

Concen: 5.223 ng m

RT: 24.539 min Scan# 36

Delta R.T. -0.013 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

RBR200027-E2

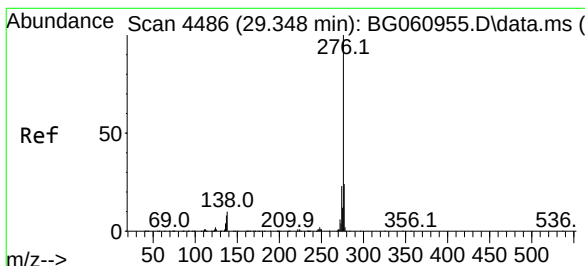
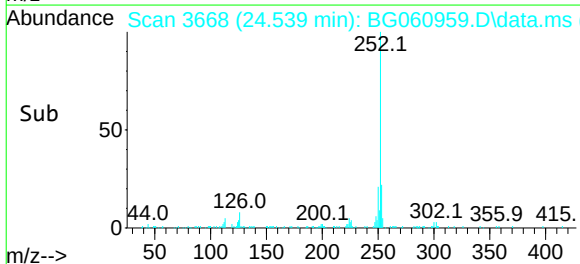
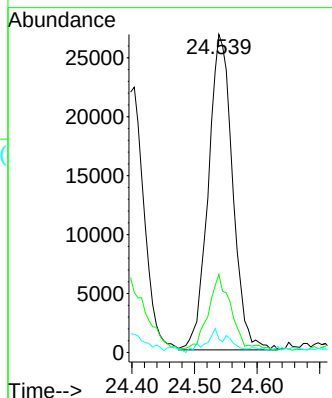
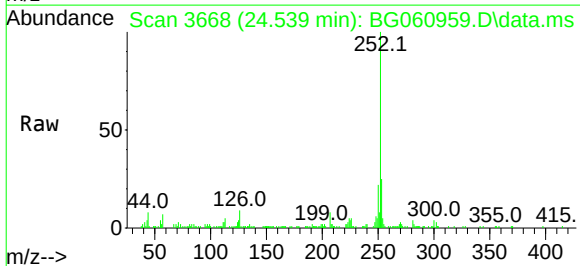
Tgt	Ion:252	Resp:	72361
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	4.3	6.1	9.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#92

Benzo(g,h,i)perylene

Concen: 3.491 ng

RT: 29.327 min Scan# 4483

Delta R.T. -0.024 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Tgt	Ion:276	Resp:	48252
Ion	Ratio	Lower	Upper
276	100		
277	19.7	18.3	27.5
138	5.2	12.2	18.4

