

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061039.D
 Acq On : 25 Apr 2024 15:58
 Operator : MA/JU
 Sample : P2261-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-RBR200059

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 17:11:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	26537	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	104355	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	79569	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	180374	20.000	ng	0.00
76) Chrysene-d12	21.577	240	182413	20.000	ng	0.00
86) Perylene-d12	24.709	264	172049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	205802	156.870	ng	0.00
7) Phenol-d6	7.118	99	235477	120.972	ng	0.00
23) Nitrobenzene-d5	9.098	82	168584	72.582	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	200573	114.792	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	429872	74.771	ng	0.00
79) Terphenyl-d14	19.938	244	750919	63.899	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.359	178	22186	2.410	ng	97
75) Fluoranthene	19.374	202	104891	8.584	ng	96
78) Pyrene	19.733	202	125388	10.095	ng	97
81) Benzo(a)anthracene	21.560	228	80606	6.285	ng	# 95
83) Chrysene	21.624	228	74500	6.101	ng	95
87) Indeno(1,2,3-cd)pyrene	28.246	276	37980m	3.182	ng	
88) Benzo(b)fluoranthene	23.728	252	98824	10.136	ng	94
89) Benzo(k)fluoranthene	23.769	252	42387m	4.307	ng	
90) Benzo(a)pyrene	24.562	252	79948	8.472	ng	98
92) Benzo(g,h,i)perylene	29.351	276	32228m	3.333	ng	

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

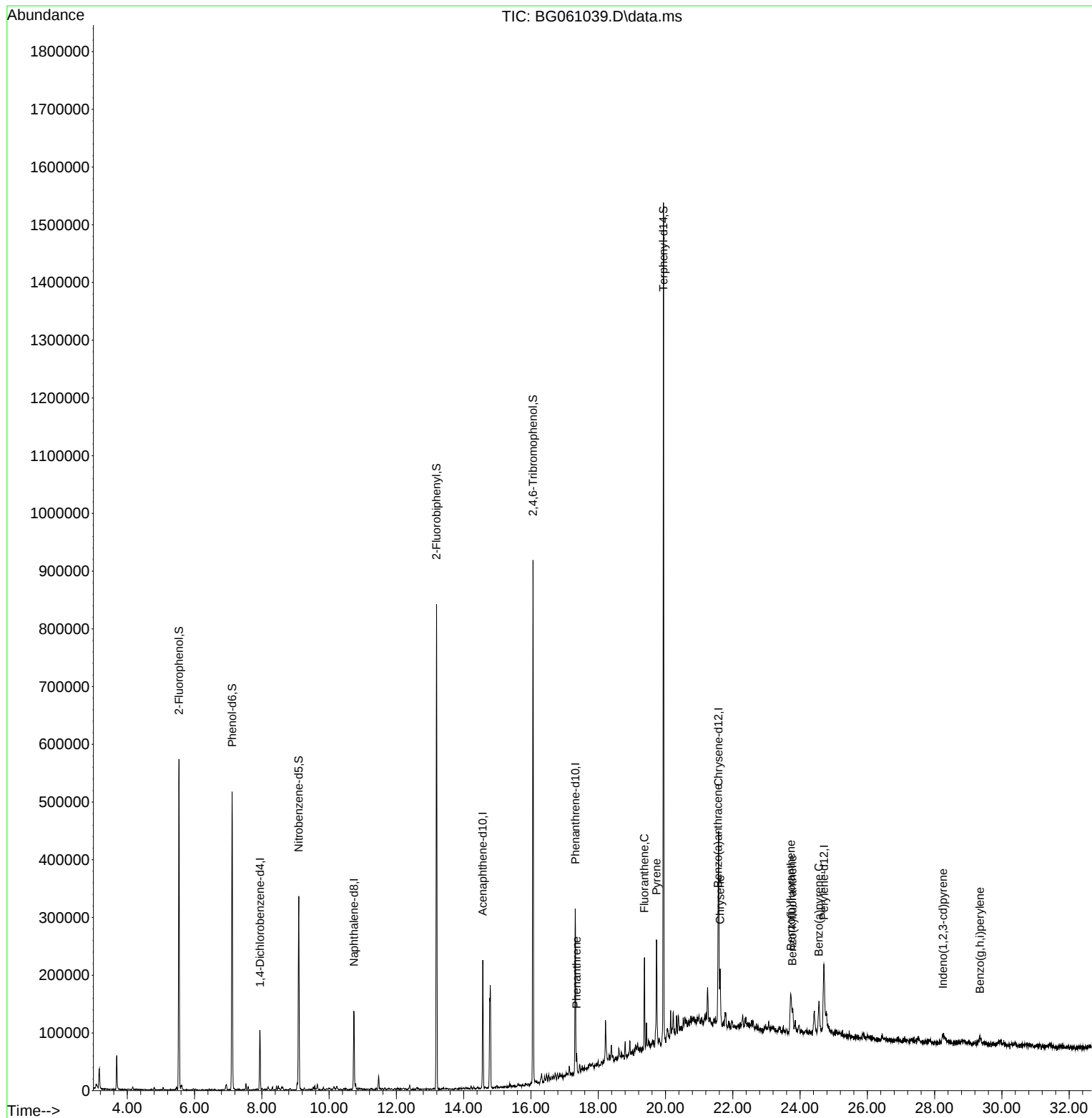
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
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ALS Vial : 9 Sample Multiplier: 1

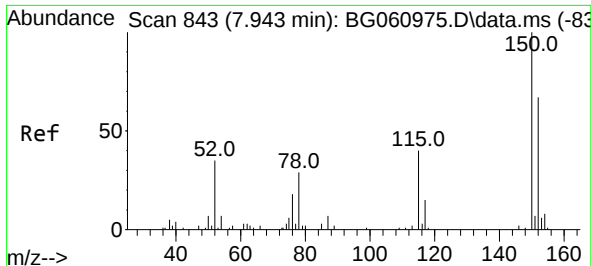
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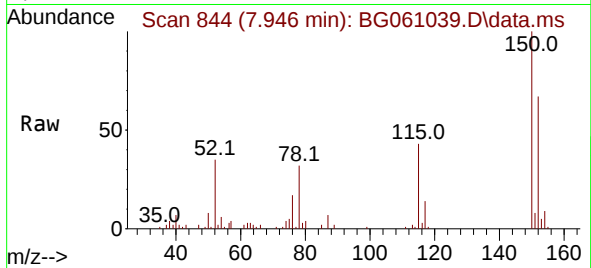
Quant Time: Apr 25 17:11:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 843
Delta R.T. 0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

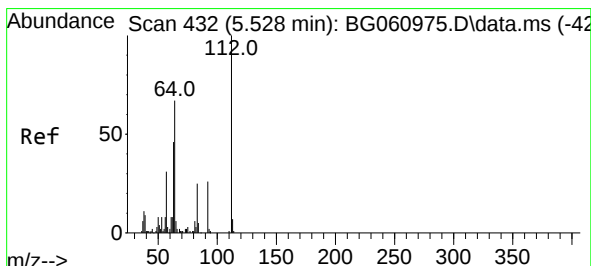
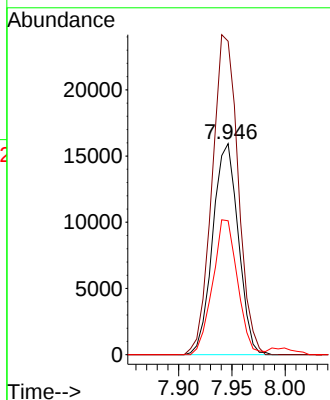
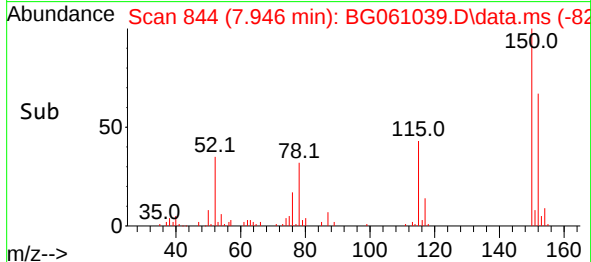
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059



Tgt Ion:152 Resp: 2653
Ion Ratio Lower Upper
152 100
150 148.5 118.6 178.0
115 63.5 47.4 71.0

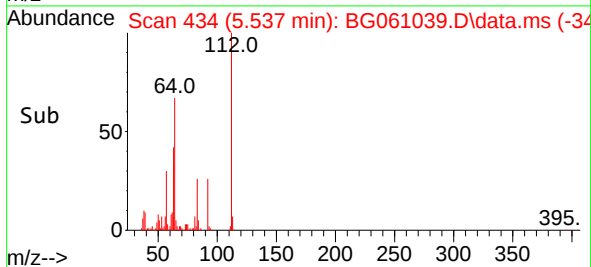
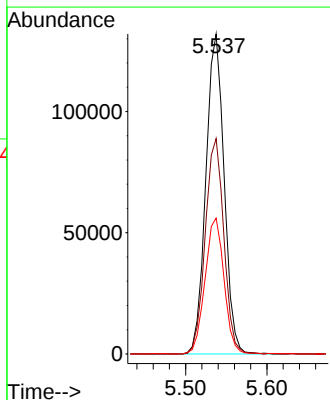
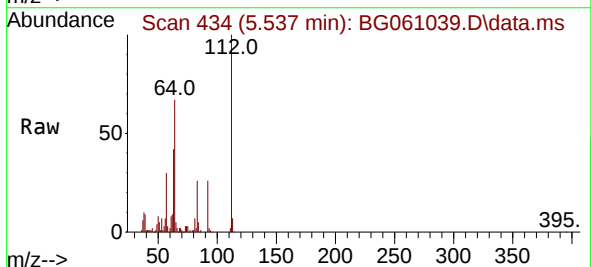
Manual Integrations
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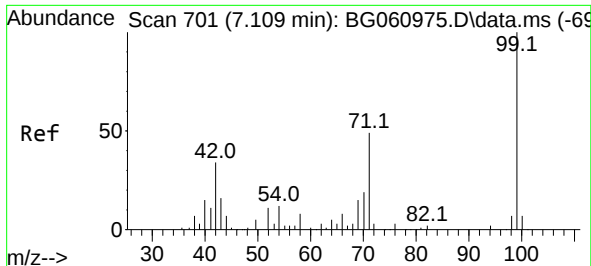
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#5
2-Fluorophenol
Concen: 156.870 ng
RT: 5.537 min Scan# 434
Delta R.T. 0.009 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

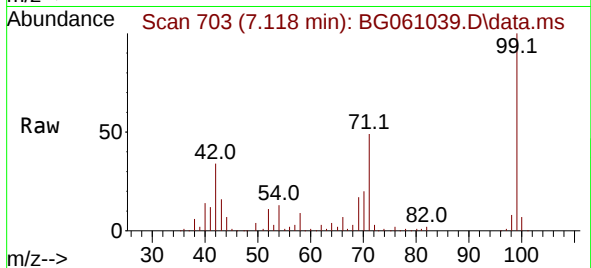
Tgt Ion:112 Resp: 205802
Ion Ratio Lower Upper
112 100
64 67.3 53.7 80.5
63 42.5 37.0 55.6





#7
Phenol-d6
Concen: 120.972 ng
RT: 7.118 min Scan# 701
Delta R.T. 0.009 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

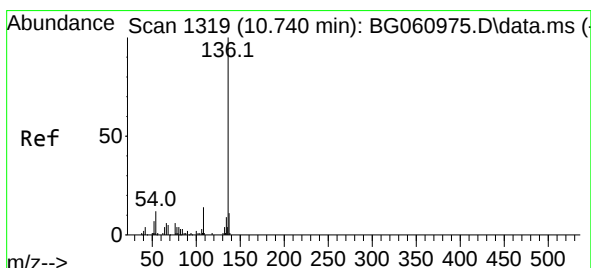
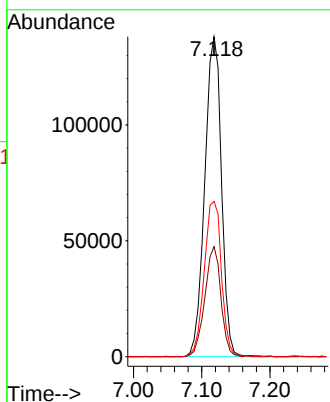
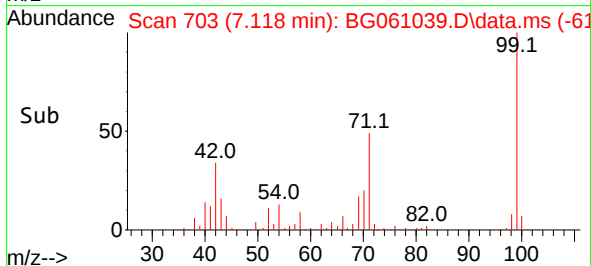
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059



Tgt Ion: 99 Resp: 23547
Ion Ratio Lower Upper
99 100
42 34.4 27.2 40.8
71 48.5 38.8 58.2

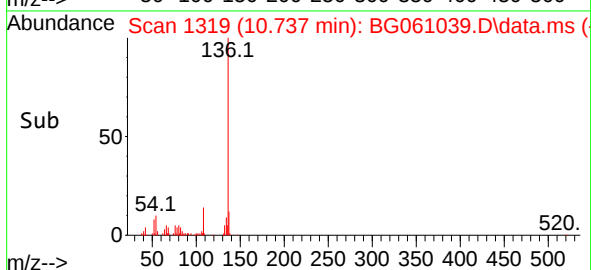
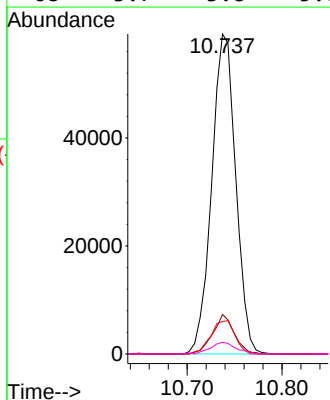
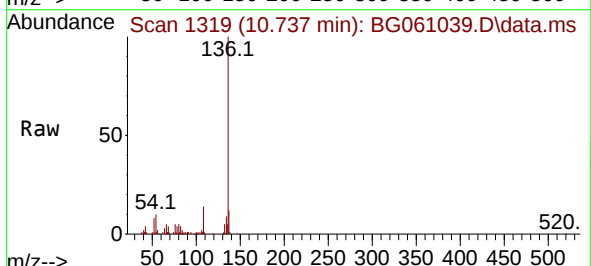
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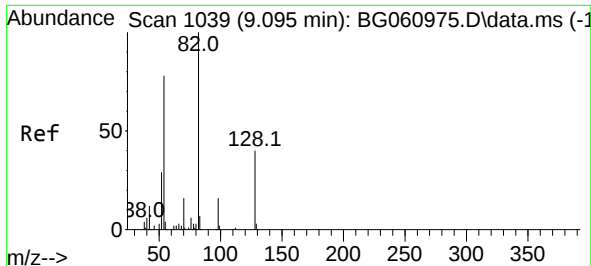
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 1319
Delta R.T. -0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

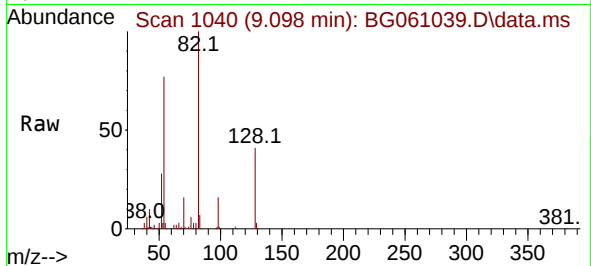
Tgt Ion:136 Resp: 104355
Ion Ratio Lower Upper
136 100
137 12.4 8.5 12.7
54 10.1 9.4 14.0
68 3.7 3.8 5.6#





#23
Nitrobenzene-d5
Concen: 72.582 ng
RT: 9.098 min Scan# 1040
Delta R.T. 0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

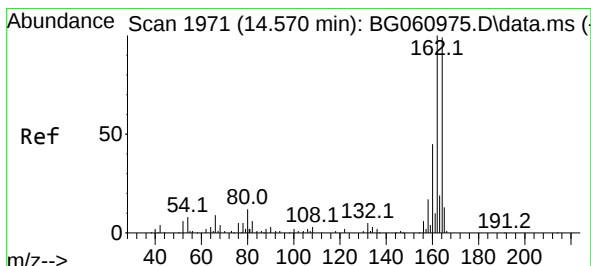
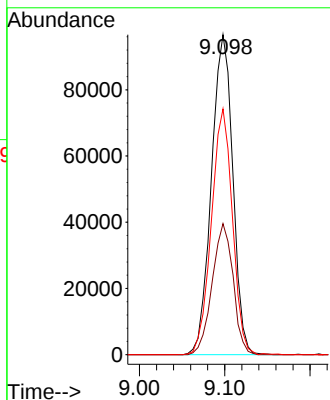
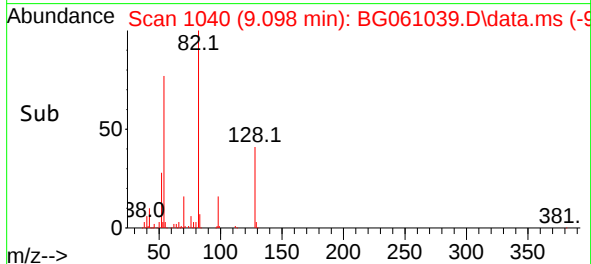
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059



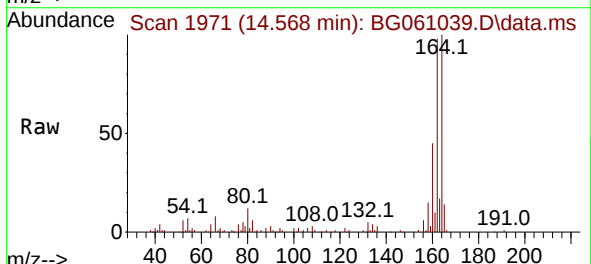
Tgt Ion: 82 Resp: 168584
Ion Ratio Lower Upper
82 100
128 40.9 32.1 48.1
54 76.8 62.3 93.5

Manual Integrations
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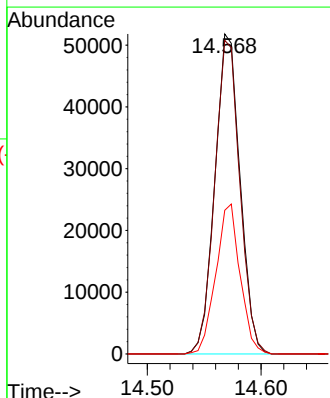
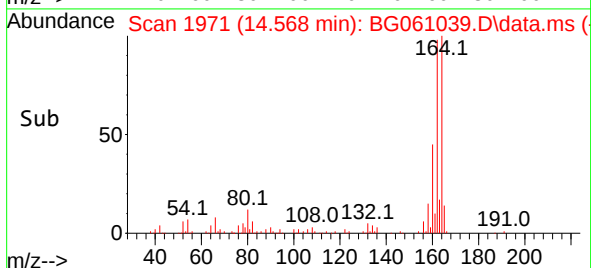
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

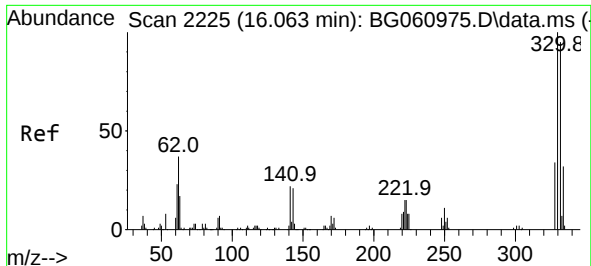


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58



Tgt Ion:164 Resp: 79569
Ion Ratio Lower Upper
164 100
162 98.0 81.2 121.8
160 44.9 36.2 54.2





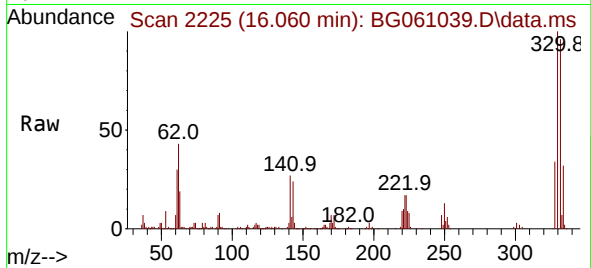
#42
2,4,6-Tribromophenol
Concen: 114.792 ng
RT: 16.060 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Instrument :

BNA_G

ClientSampleId :

RO-RBR200059



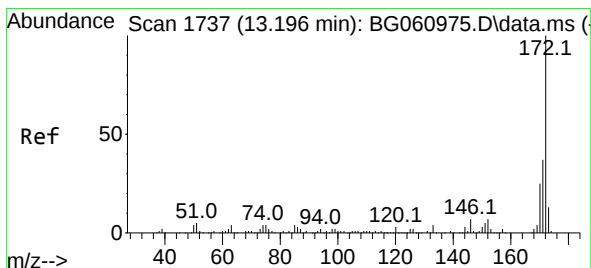
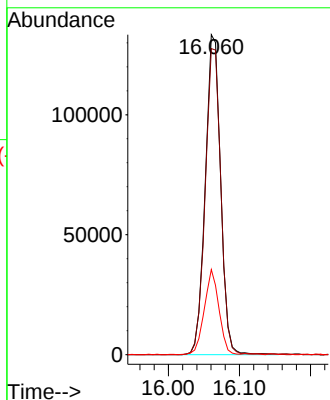
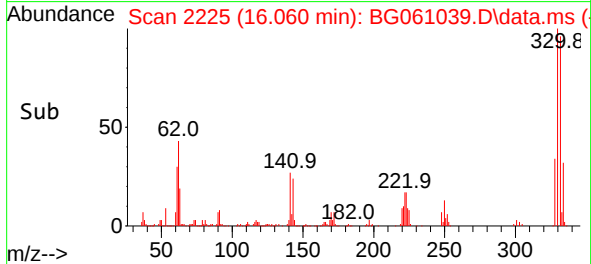
Tgt Ion:330 Resp: 20057
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 25.4 20.6 31.0

Manual Integrations

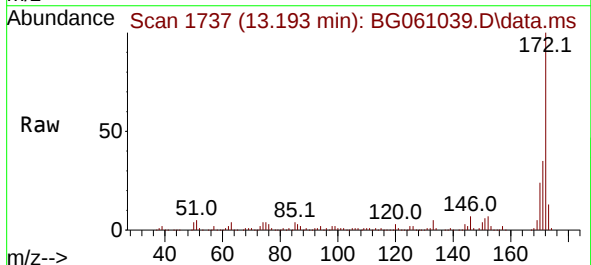
APPROVED

Reviewed By :Yogesh Patel 04/26/2024

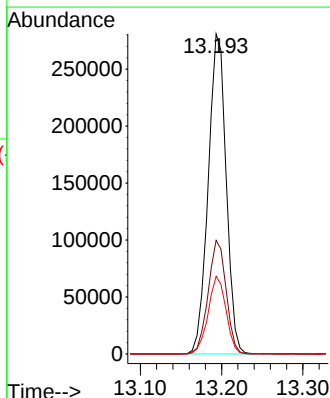
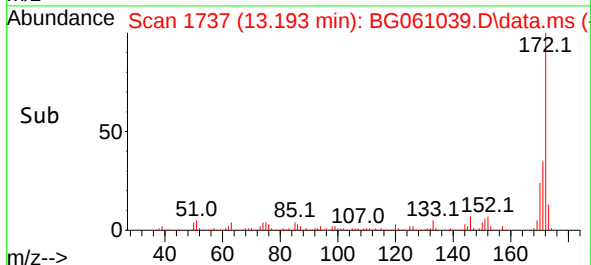
Supervised By :mohammad ahmed 04/27/2024

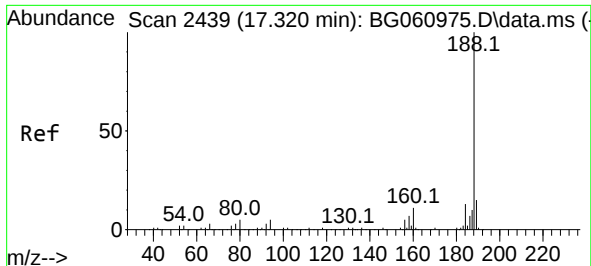


#45
2-Fluorobiphenyl
Concen: 74.771 ng
RT: 13.193 min Scan# 1737
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58



Tgt Ion:172 Resp: 429872
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 24.3 20.1 30.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Instrument :

BNA_G

ClientSampleId :

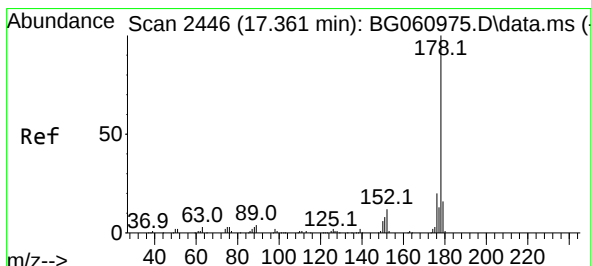
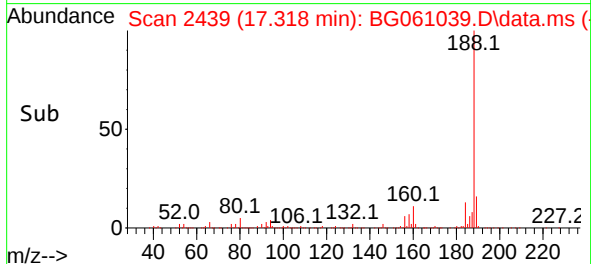
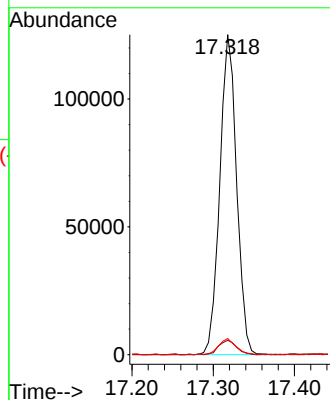
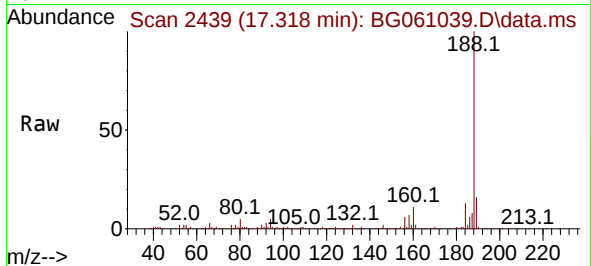
RO-RBR200059

Tgt Ion:188 Resp: 180374
Ion Ratio Lower Upper
188 100
94 4.5 4.1 6.1
80 5.0 4.0 6.0

Manual Integrations

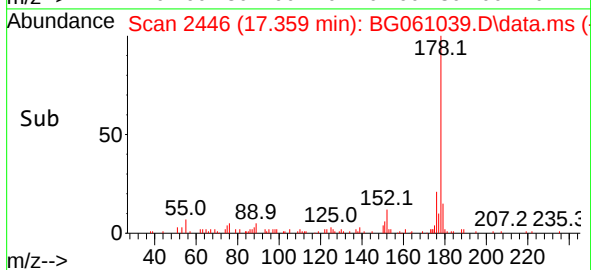
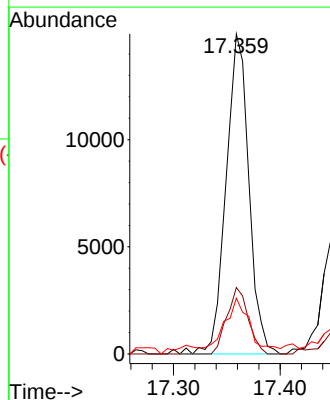
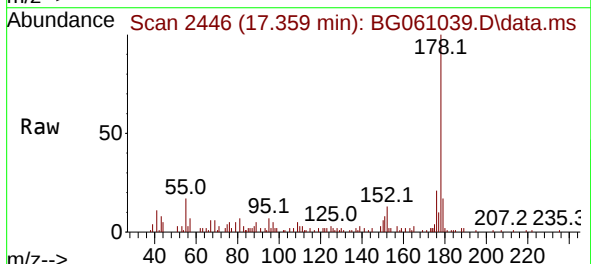
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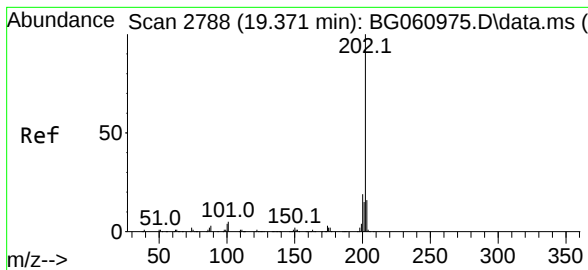
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#71
Phenanthrene
Concen: 2.410 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

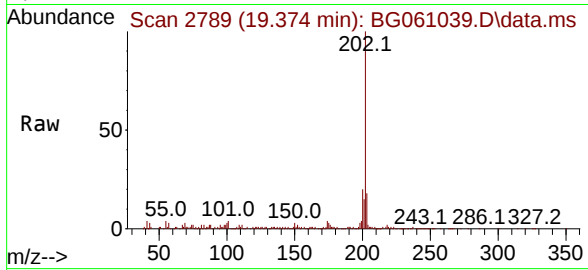
Tgt Ion:178 Resp: 22186
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 17.5 12.5 18.7





#75
Fluoranthene
Concen: 8.584 ng
RT: 19.374 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

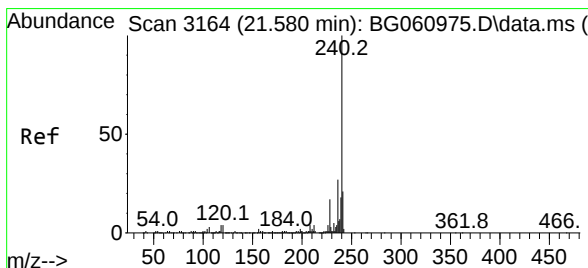
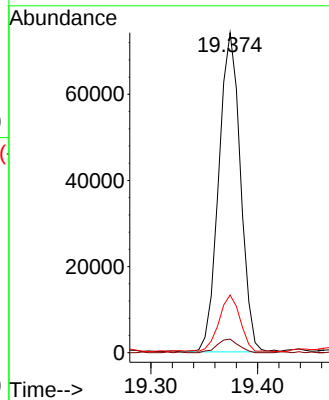
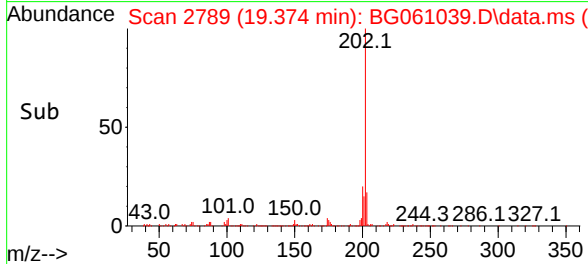
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059



Tgt Ion:202 Resp: 10489
Ion Ratio Lower Upper
202 100
101 4.2 0.0 24.9
203 18.0 0.0 36.2

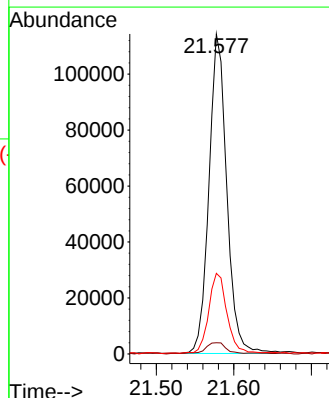
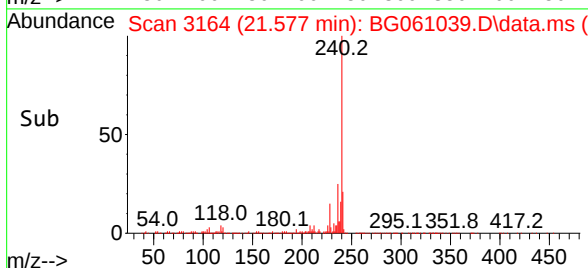
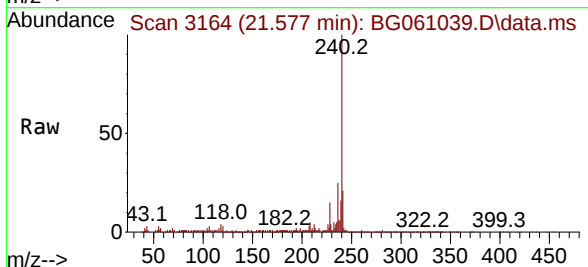
Manual Integrations
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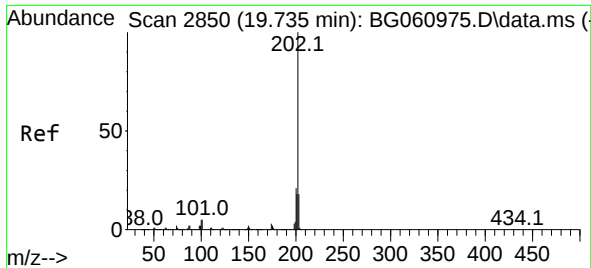
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3164
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion:240 Resp: 182413
Ion Ratio Lower Upper
240 100
120 3.5 3.0 4.6
236 25.2 21.8 32.6





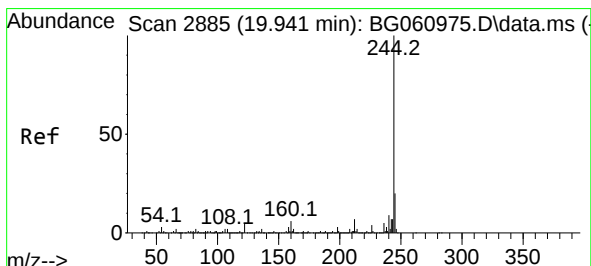
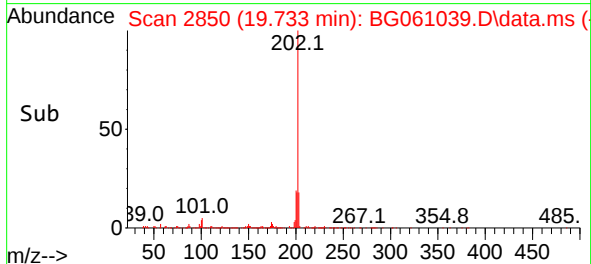
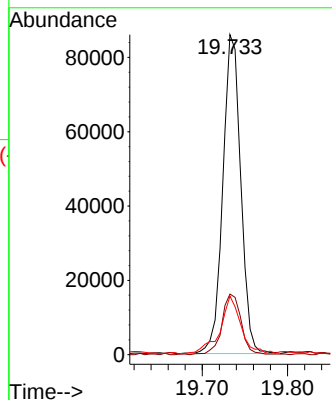
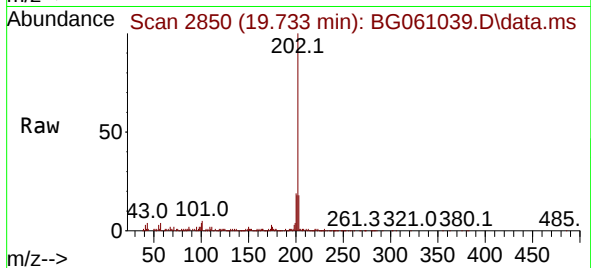
#78
Pyrene
Concen: 10.095 ng
RT: 19.733 min Scan# 2850
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Instrument :
BNA_G
ClientSampleId :
RO-RBR200059

Tgt Ion:202 Resp: 125388
Ion Ratio Lower Upper
202 100
200 18.9 16.8 25.2
203 18.3 14.2 21.2

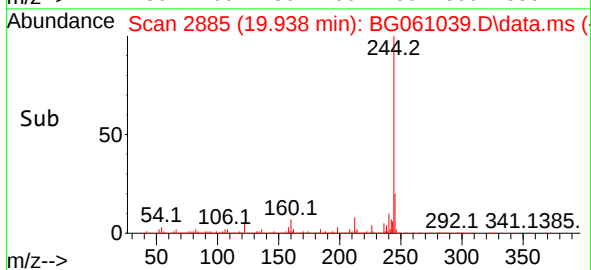
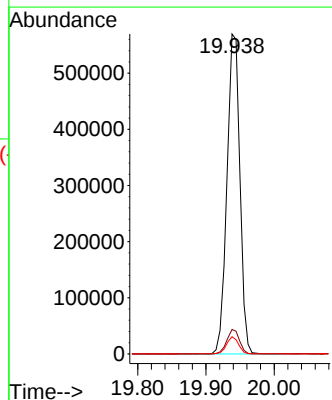
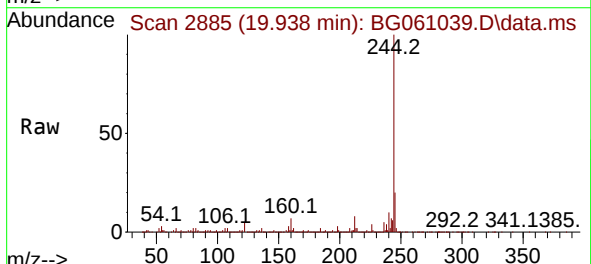
Manual Integrations
APPROVED

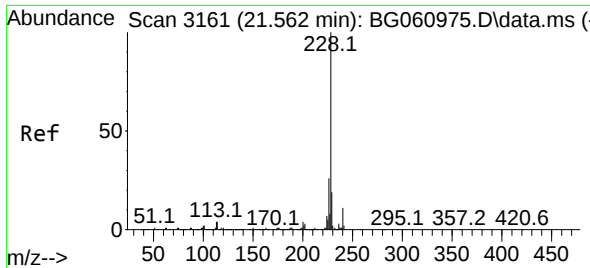
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#79
Terphenyl-d14
Concen: 63.899 ng
RT: 19.938 min Scan# 2885
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion:244 Resp: 750919
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 5.4 4.2 6.2





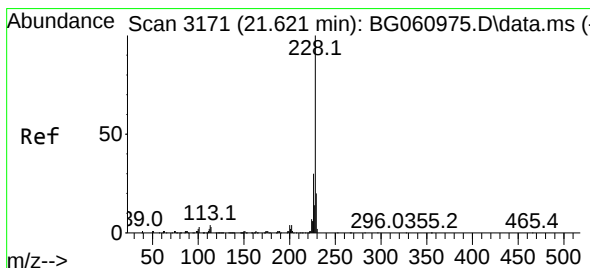
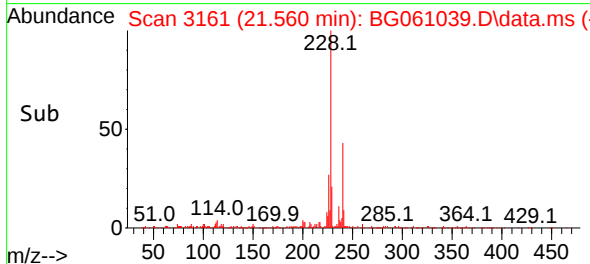
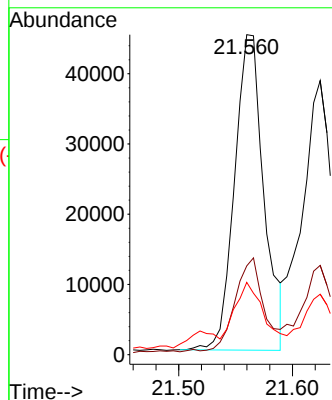
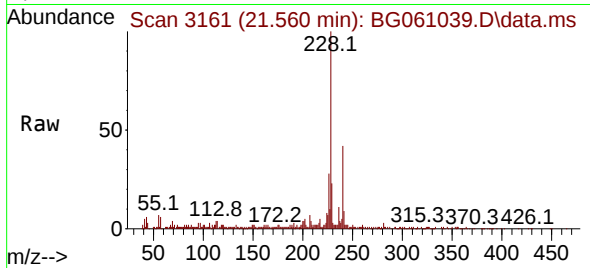
#81
Benzo(a)anthracene
Concen: 6.285 ng
RT: 21.560 min Scan# 3161
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Instrument :
BNA_G
ClientSampleId :
RO-RBR200059

Tgt Ion:228 Resp: 80600
Ion Ratio Lower Upper
228 100
226 27.7 21.0 31.4
229 22.6 15.0 22.4

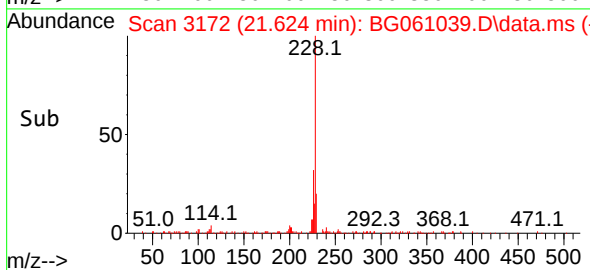
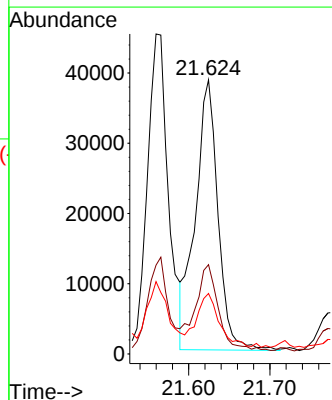
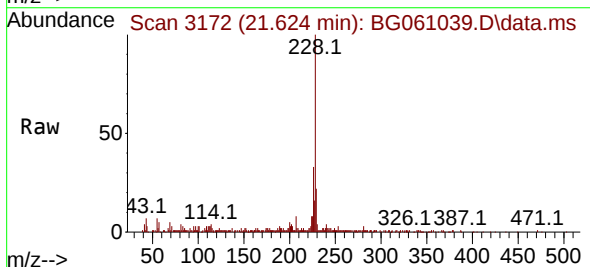
Manual Integrations
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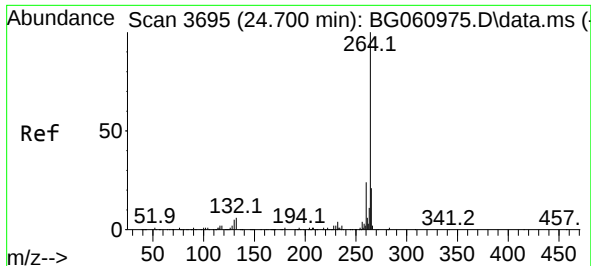
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#83
Chrysene
Concen: 6.101 ng
RT: 21.624 min Scan# 3172
Delta R.T. 0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

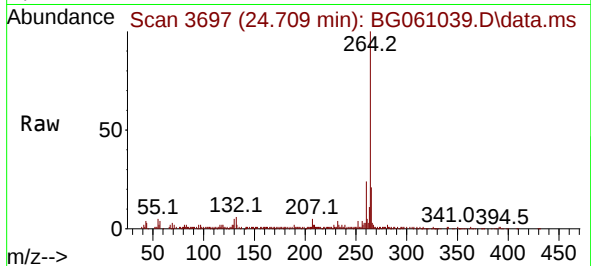
Tgt Ion:228 Resp: 74500
Ion Ratio Lower Upper
228 100
226 32.5 24.2 36.2
229 22.1 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.709 min Scan# 30
Delta R.T. 0.009 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

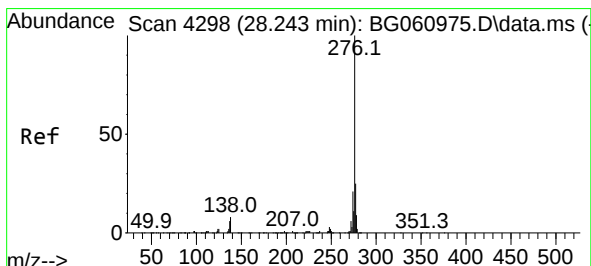
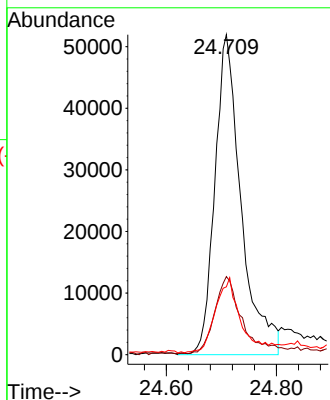
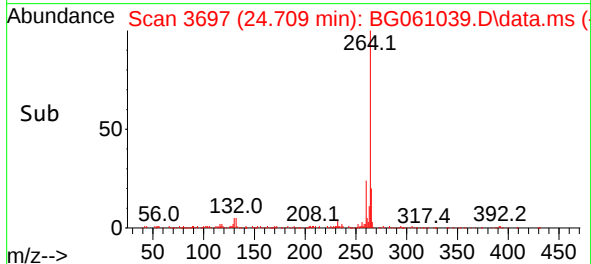
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059



Tgt Ion:264 Resp: 172049
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 21.2 17.0 25.4

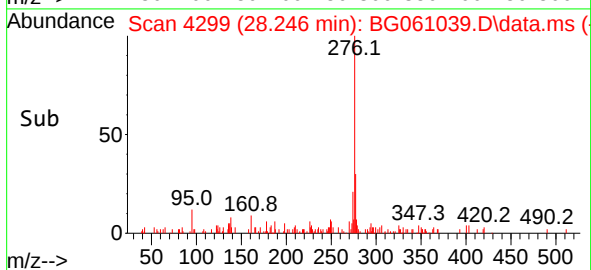
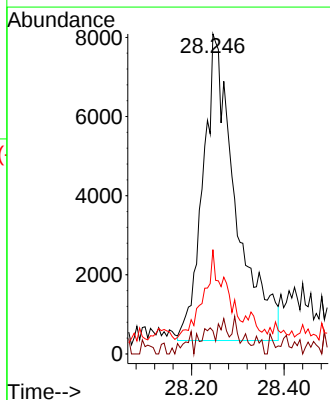
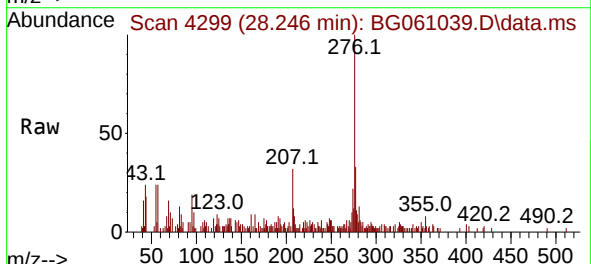
Manual Integrations
APPROVED

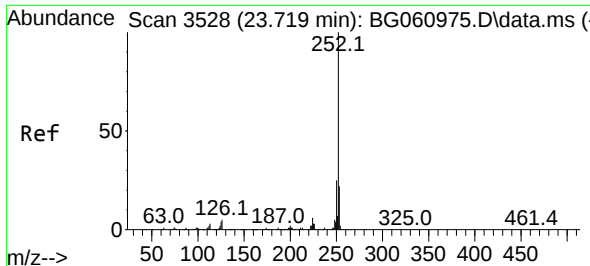
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.182 ng m
RT: 28.246 min Scan# 4299
Delta R.T. 0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion:276 Resp: 37980
Ion Ratio Lower Upper
276 100
138 3.7 5.3 7.9#
277 13.8 20.6 30.8#





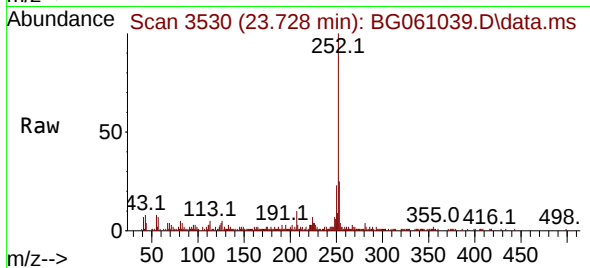
#88
Benzo(b)fluoranthene
Concen: 10.136 ng
RT: 23.728 min Scan# 3530
Delta R.T. 0.009 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Instrument :

BNA_G

ClientSampleId :

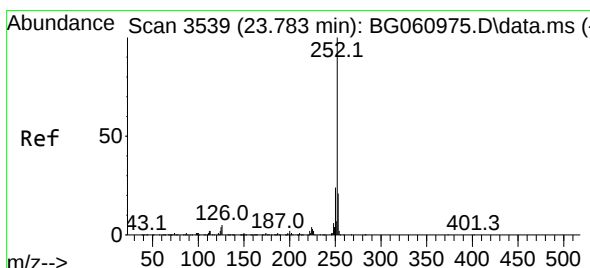
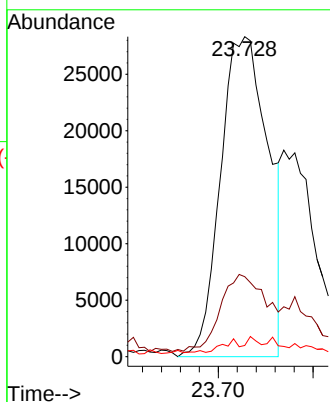
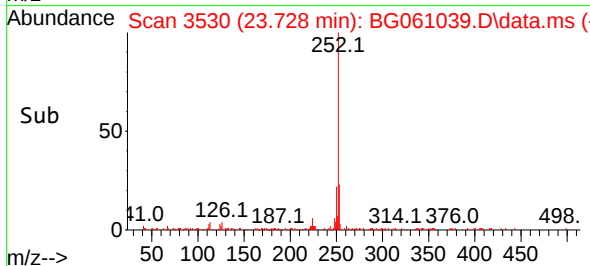
RO-RBR200059



Tgt Ion:252 Resp: 98824
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 3.5 3.3 4.9

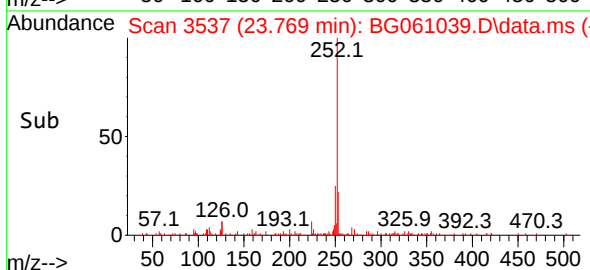
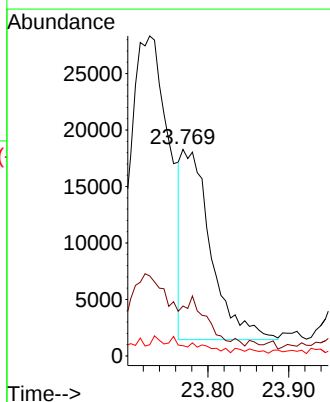
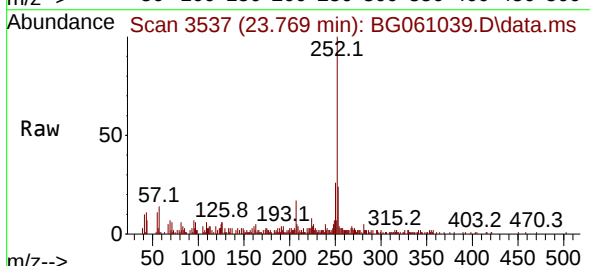
Manual Integrations
APPROVED

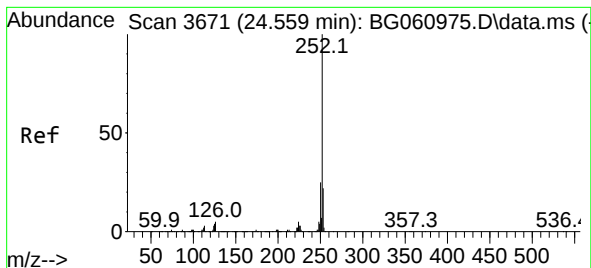
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#89
Benzo(k)fluoranthene
Concen: 4.307 ng m
RT: 23.769 min Scan# 3537
Delta R.T. -0.014 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion:252 Resp: 42387
Ion Ratio Lower Upper
252 100
253 24.1 16.6 25.0
125 5.0 3.3 4.9#





#90

Benzo(a)pyrene

Concen: 8.472 ng

RT: 24.562 min Scan# 30

Delta R.T. 0.003 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

Instrument :

BNA_G

ClientSampleId :

RO-RBR200059

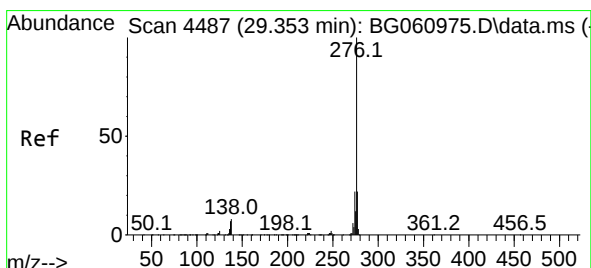
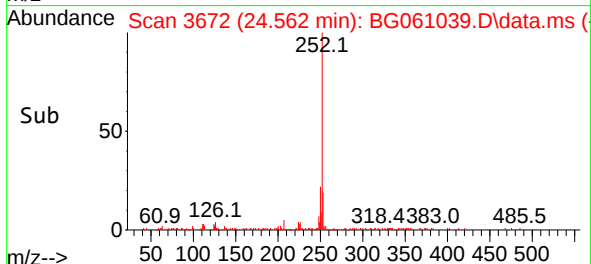
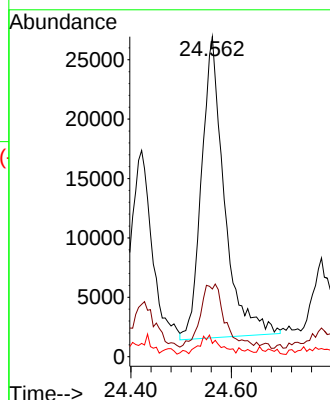
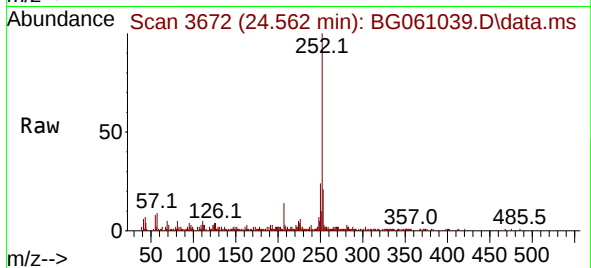
Tgt Ion:252	Resp:	7994
Ion Ratio	Lower	Upper
252	100	
253	21.1	17.7 26.5
125	4.1	3.6 5.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#92

Benzo(g,h,i)perylene

Concen: 3.333 ng m

RT: 29.351 min Scan# 4487

Delta R.T. -0.002 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

Tgt Ion:276	Resp:	32228
Ion Ratio	Lower	Upper
276	100	
277	23.7	18.0 27.0
138	9.9	6.5 9.7#

