

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
 Data File : BG061226.D
 Acq On : 16 May 2024 18:42
 Operator : MA/JU
 Sample : P2477-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-339

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 17 01:19:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	29680	20.000	ng	-0.03
21) Naphthalene-d8	10.722	136	113038	20.000	ng	#-0.04
39) Acenaphthene-d10	14.559	164	86473	20.000	ng	-0.03
64) Phenanthrene-d10	17.303	188	186774	20.000	ng	-0.03
76) Chrysene-d12	21.569	240	186559	20.000	ng	#-0.02
86) Perylene-d12	24.694	264	231392	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	132427	90.742	ng	-0.02
7) Phenol-d6	7.109	99	181618	84.126	ng	-0.02
23) Nitrobenzene-d5	9.083	82	129993	57.008	ng	-0.04
42) 2,4,6-Tribromophenol	16.051	330	126640	73.268	ng	-0.02
45) 2-Fluorobiphenyl	13.178	172	345714	59.118	ng	-0.03
79) Terphenyl-d14	19.923	244	620512	55.318	ng	-0.03
Target Compounds						Qvalue
70) Pentachlorophenol	16.968	266	6176	3.671	ng	85
71) Phenanthrene	17.344	178	34611	4.053	ng	99
72) Anthracene	17.438	178	18832	2.210	ng	98
75) Fluoranthene	19.359	202	179320	15.327	ng	98
78) Pyrene	19.724	202	295861	24.945	ng	98
81) Benzo(a)anthracene	21.545	228	144257	11.817	ng	96
83) Chrysene	21.610	228	236984	20.720	ng	96
84) Bis(2-ethylhexyl)phtha...	21.463	149	16614	3.389	ng	# 88
87) Indeno(1,2,3-cd)pyrene	28.225	276	63651	4.151	ng	# 97
88) Benzo(b)fluoranthene	23.707	252	249621	19.305	ng	# 97
89) Benzo(k)fluoranthene	23.760	252	97410m	7.831	ng	
90) Benzo(a)pyrene	24.547	252	96989	8.610	ng	# 93
92) Benzo(g,h,i)perylene	29.342	276	55282	4.381	ng	# 91

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

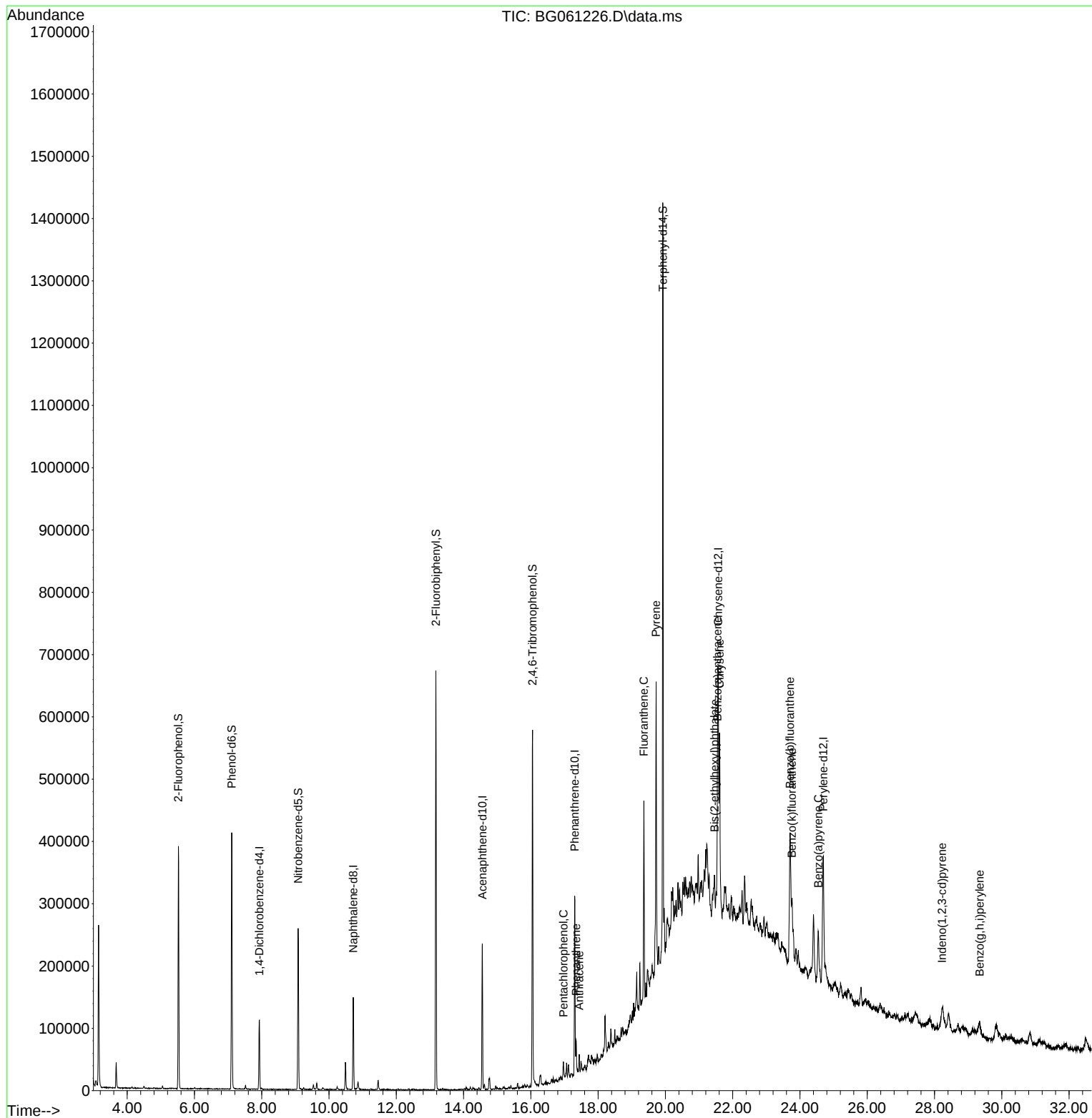
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
Data File : BG061226.D
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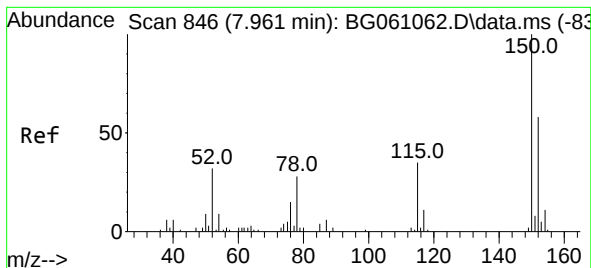
Instrument :
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Quant Time: May 17 01:19:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
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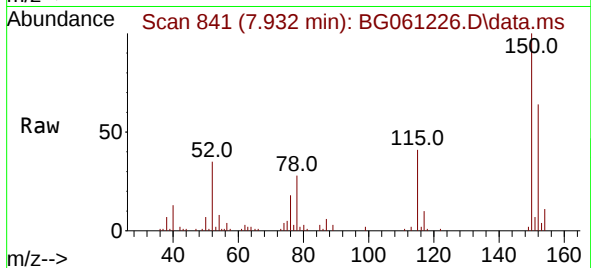
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.932 min Scan# 846
Delta R.T. -0.029 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

ETGI-339

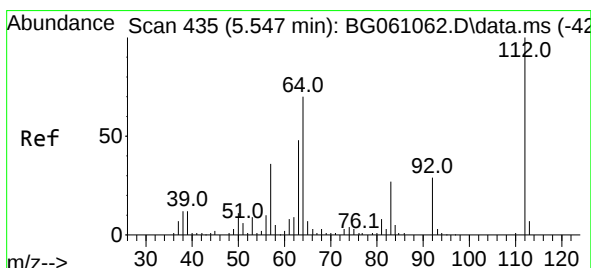
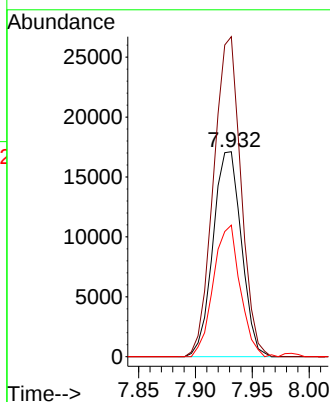
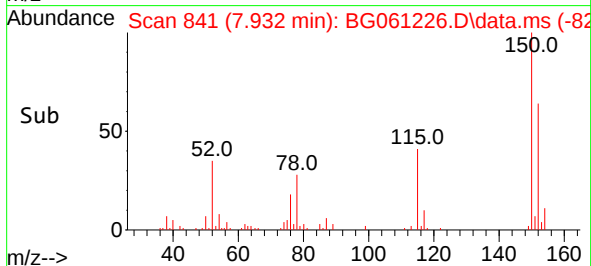


Tgt Ion:152 Resp: 29680
Ion Ratio Lower Upper
152 100
150 156.2 138.3 207.5
115 64.2 48.0 72.0

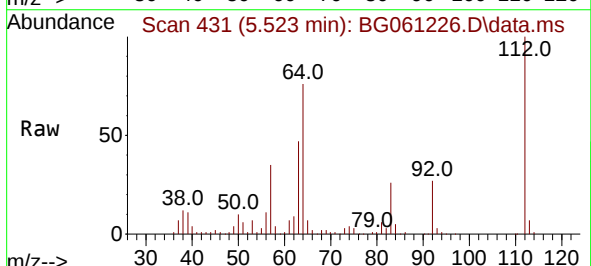
Manual Integrations

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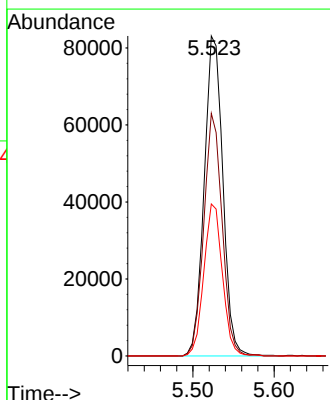
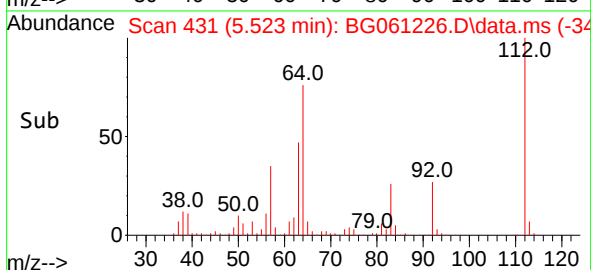
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#5
2-Fluorophenol
Concen: 90.742 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42



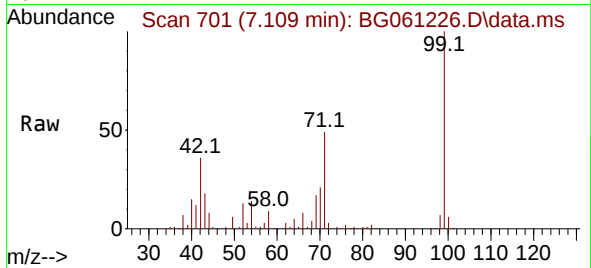
Tgt Ion:112 Resp: 132427
Ion Ratio Lower Upper
112 100
64 75.8 55.7 83.5
63 47.5 38.1 57.1





#7
Phenol-d6
Concen: 84.126 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

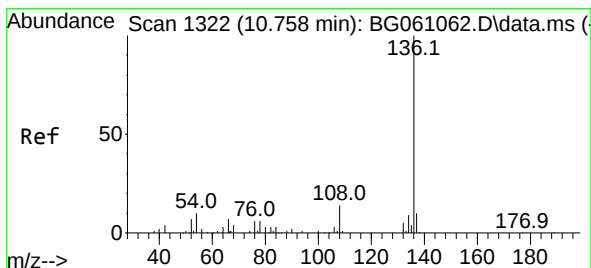
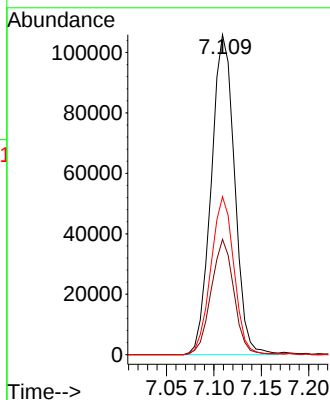
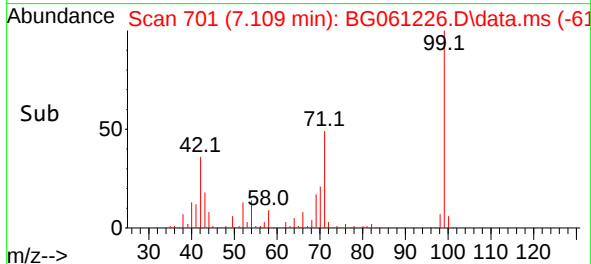
Instrument :
BNA_G
ClientSampleId :
ETGI-339



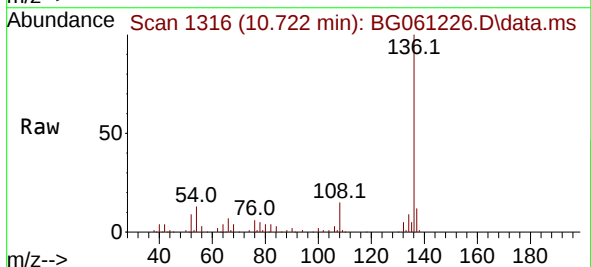
Tgt Ion: 99 Resp: 181618
Ion Ratio Lower Upper
99 100
42 36.1 29.2 43.8
71 49.3 39.7 59.5

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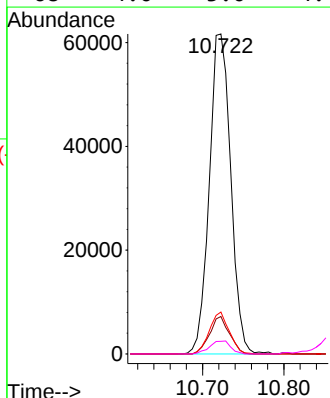
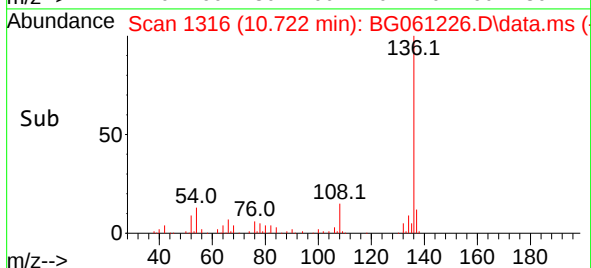
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1316
Delta R.T. -0.036 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42



Tgt Ion:136 Resp: 113038
Ion Ratio Lower Upper
136 100
137 11.7 7.8 11.6#
54 13.1 8.1 12.1#
68 4.0 3.0 4.4





#23

Nitrobenzene-d5

Concen: 57.008 ng

RT: 9.083 min Scan# 1043

Delta R.T. -0.036 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

ETGI-339

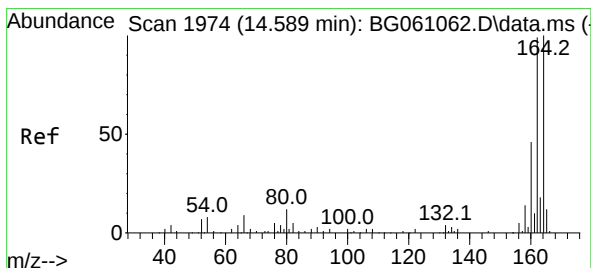
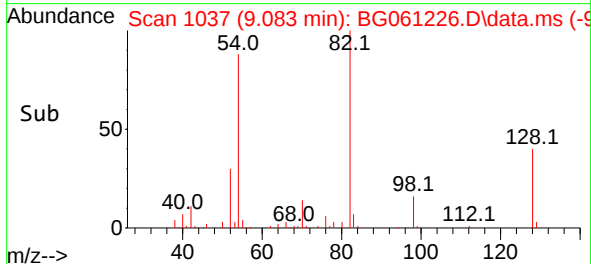
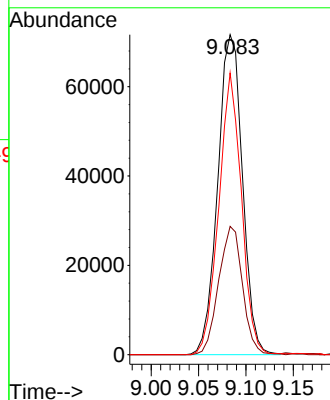
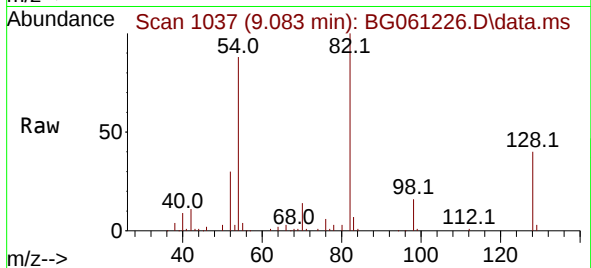
Tgt Ion: 82 Resp: 12999

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.7	49.1
54	88.0	65.6	98.4

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Supervised By :mohammad ahmed 05/18/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1969

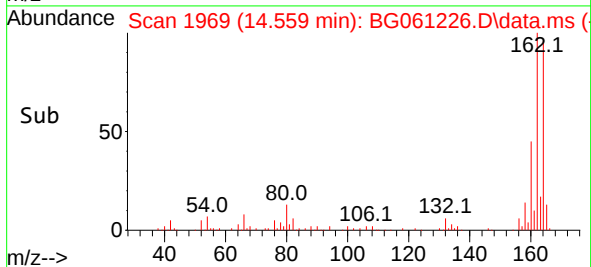
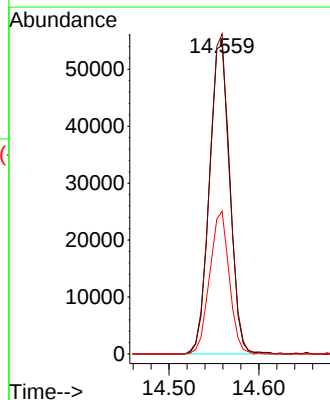
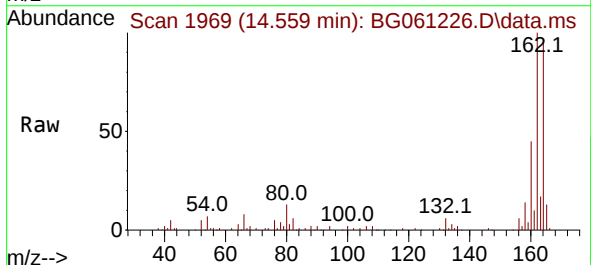
Delta R.T. -0.030 min

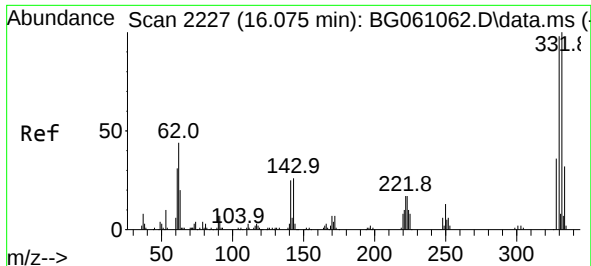
Lab File: BG061226.D

Acq: 16 May 2024 18:42

Tgt Ion:164 Resp: 86473

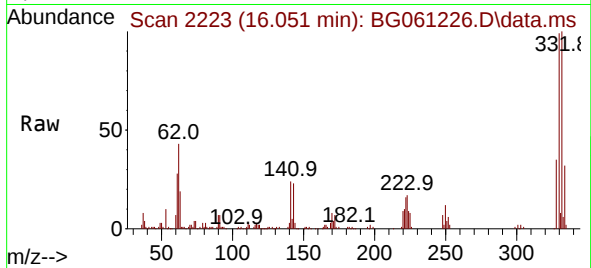
Ion	Ratio	Lower	Upper
164	100		
162	103.8	79.4	119.2
160	46.2	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 73.268 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

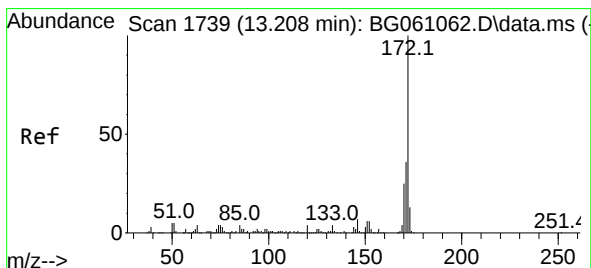
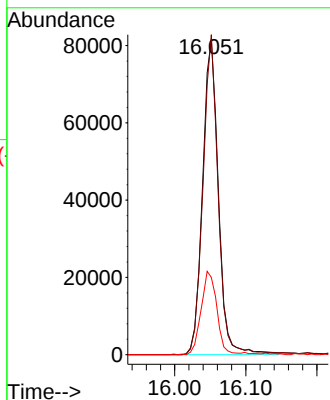
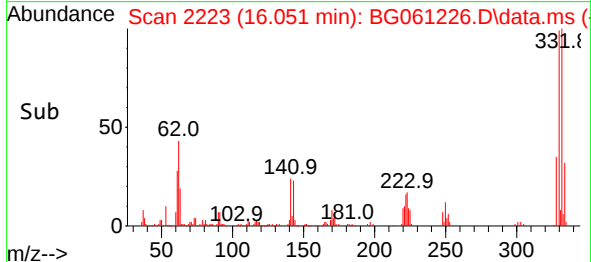
Instrument :
BNA_G
ClientSampleId :
ETGI-339



Tgt Ion:330 Resp: 126640
Ion Ratio Lower Upper
330 100
332 97.8 78.6 117.8
141 26.5 20.5 30.7

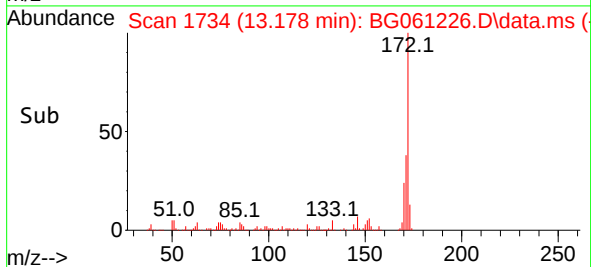
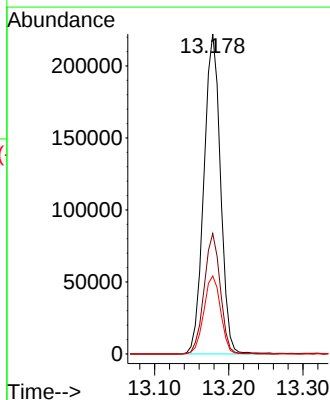
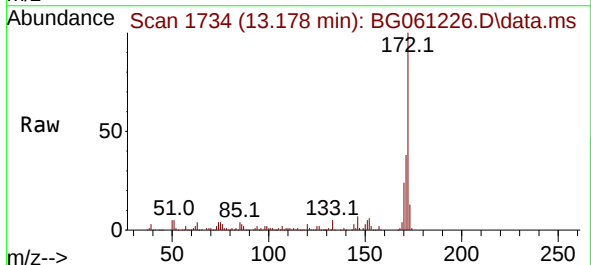
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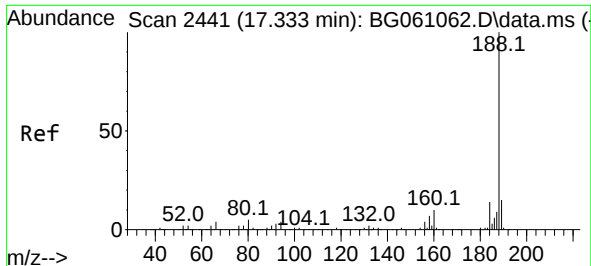
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#45
2-Fluorobiphenyl
Concen: 59.118 ng
RT: 13.178 min Scan# 1734
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:172 Resp: 345714
Ion Ratio Lower Upper
172 100
171 37.7 29.0 43.6
170 24.4 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.303 min Scan# 2441
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Instrument :

BNA_G

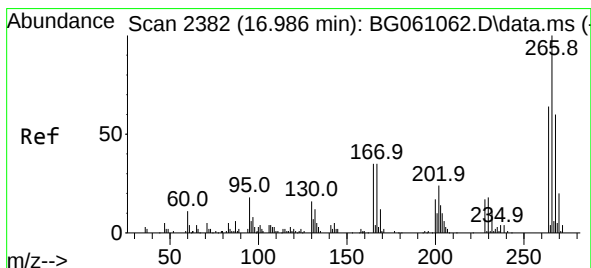
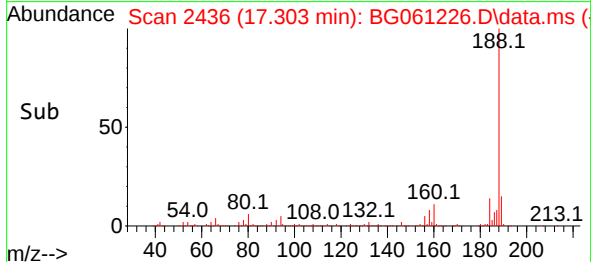
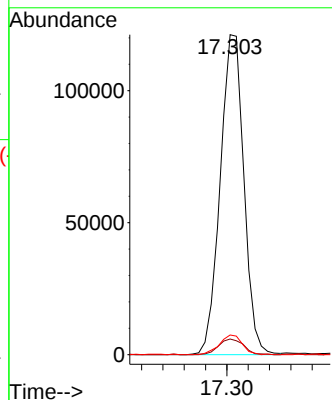
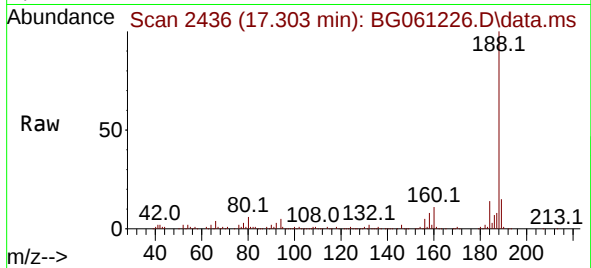
ClientSampleId :

ETGI-339

Tgt Ion:188 Resp: 186774
Ion Ratio Lower Upper
188 100
94 4.9 3.6 5.4
80 6.2 4.2 6.2

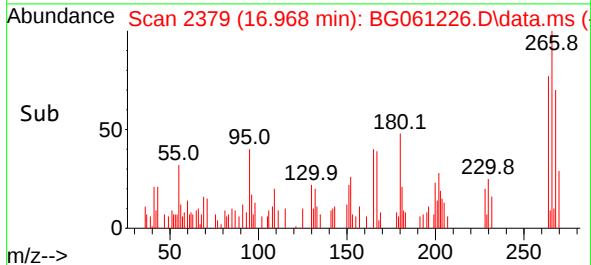
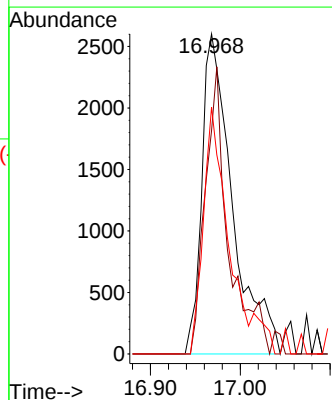
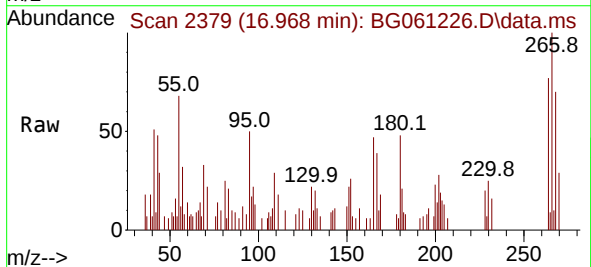
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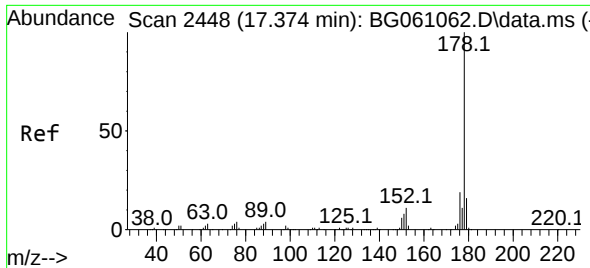
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#70
Pentachlorophenol
Concen: 3.671 ng
RT: 16.968 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

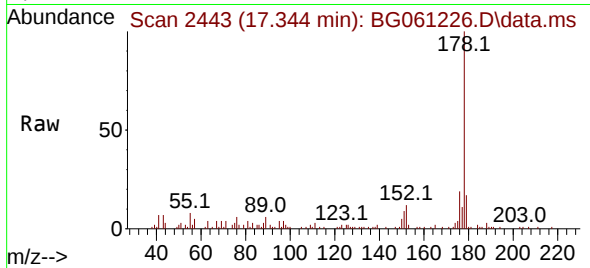
Tgt Ion:266 Resp: 6176
Ion Ratio Lower Upper
266 100
268 69.8 47.8 71.8
264 77.2 51.5 77.3





#71
Phenanthrene
Concen: 4.053 ng
RT: 17.344 min Scan# 2443
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

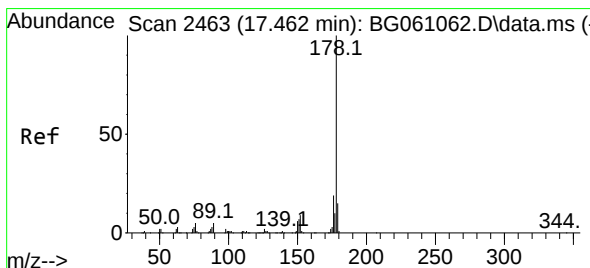
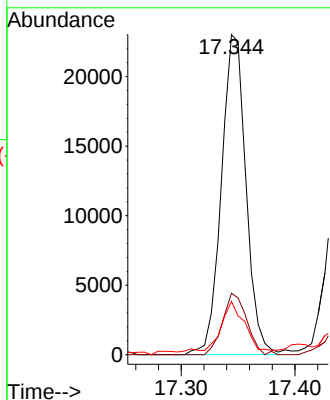
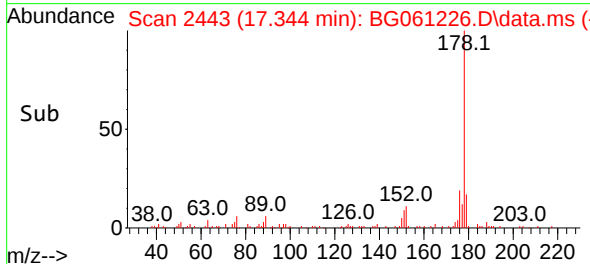
Instrument :
BNA_G
ClientSampleId :
ETGI-339



Tgt Ion:178 Resp: 3461
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.6 12.6 19.0

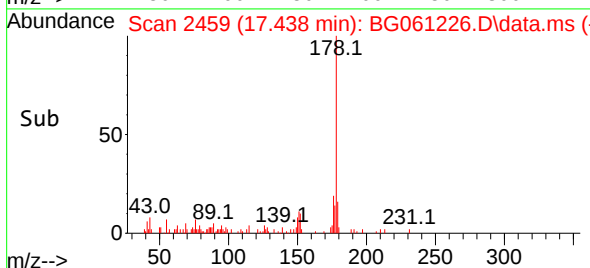
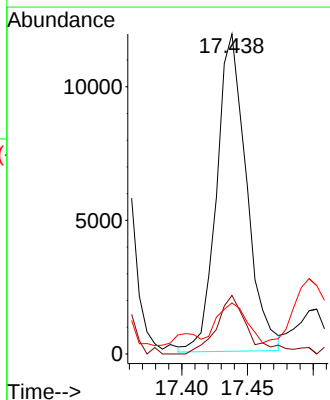
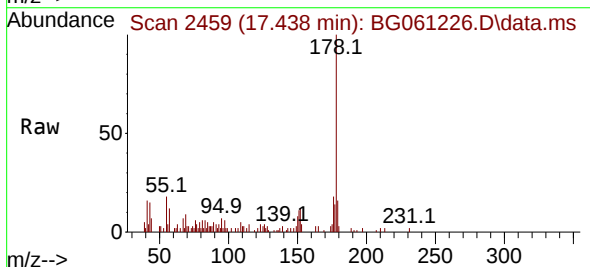
Manual Integrations
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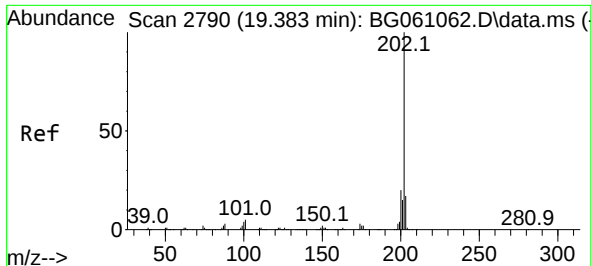
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#72
Anthracene
Concen: 2.210 ng
RT: 17.438 min Scan# 2459
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:178 Resp: 18832
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 15.9 12.0 18.0





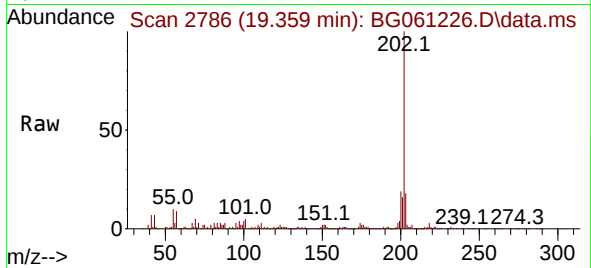
#75
Fluoranthene
Concen: 15.327 ng
RT: 19.359 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

ETGI-339

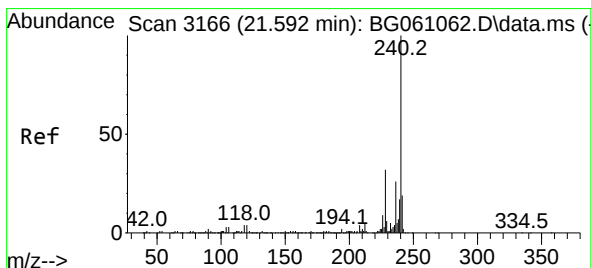
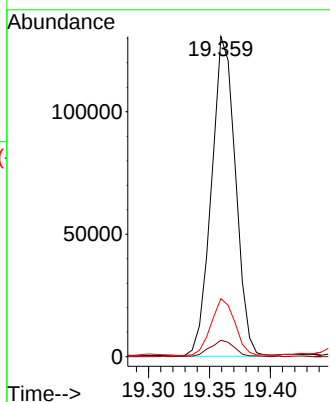
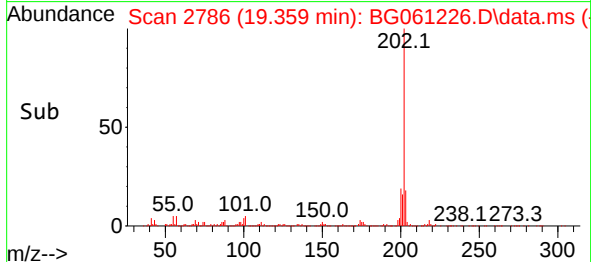


Tgt Ion:202 Resp: 179320
Ion Ratio Lower Upper
202 100
101 5.2 0.0 24.7
203 18.1 0.0 37.1

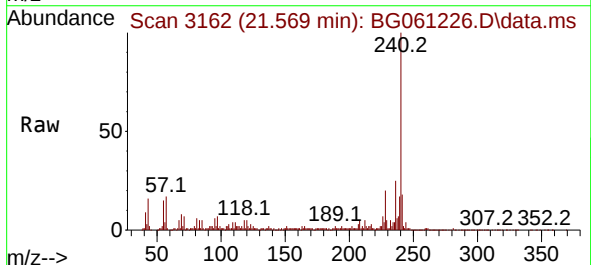
Manual Integrations

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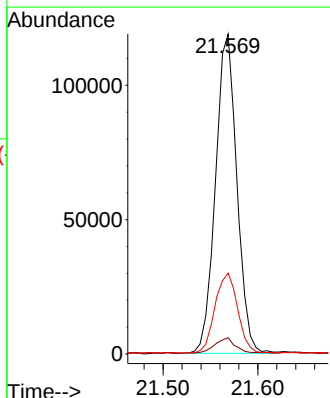
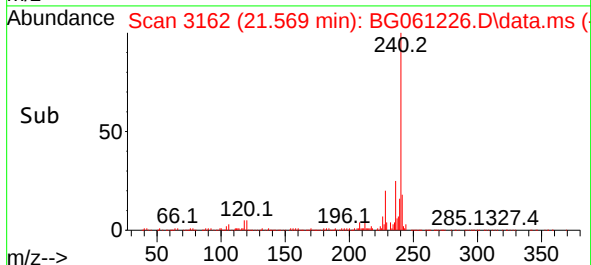
Reviewed By :Jagrut Upadhyay 05/17/2024
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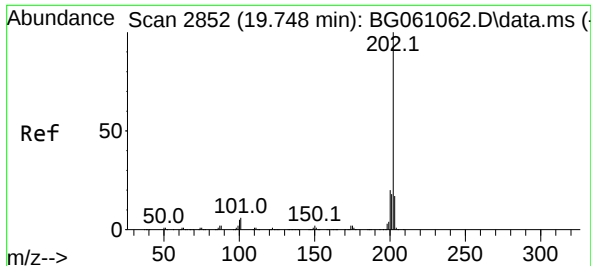


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.569 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42



Tgt Ion:240 Resp: 186559
Ion Ratio Lower Upper
240 100
120 5.1 3.2 4.8#
236 25.2 21.0 31.6





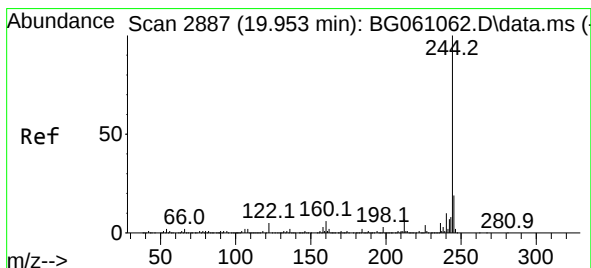
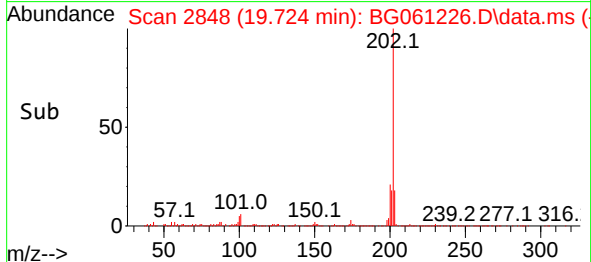
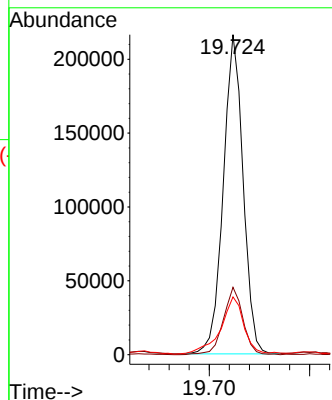
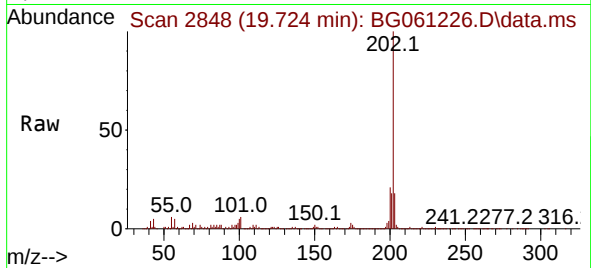
#78
Pyrene
Concen: 24.945 ng
RT: 19.724 min Scan# 2848
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Instrument :
BNA_G
ClientSampleId :
ETGI-339

Tgt Ion:202 Resp: 29586
Ion Ratio Lower Upper
202 100
200 21.1 16.2 24.4
203 18.0 13.3 19.9

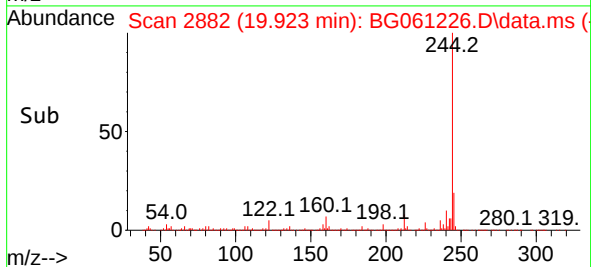
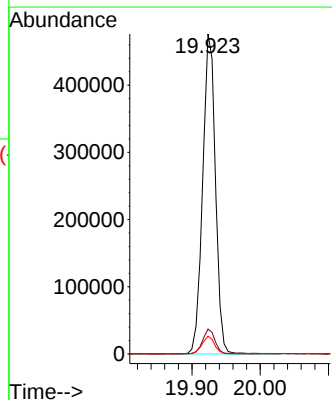
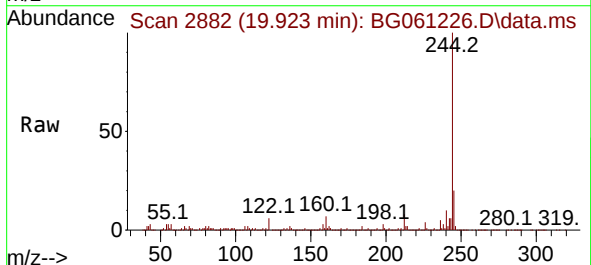
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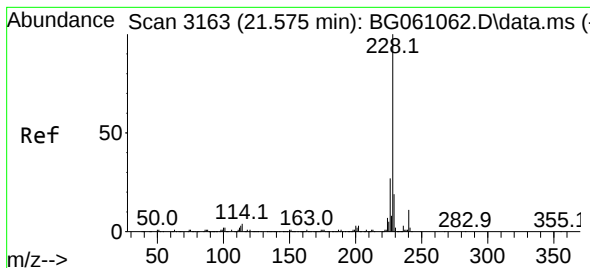
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#79
Terphenyl-d14
Concen: 55.318 ng
RT: 19.923 min Scan# 2882
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:244 Resp: 620512
Ion Ratio Lower Upper
244 100
212 7.8 5.7 8.5
122 5.6 4.2 6.2





#81

Benzo(a)anthracene

Concen: 11.817 ng

RT: 21.545 min Scan# 3163

Delta R.T. -0.030 min

Lab File: BG061226.D

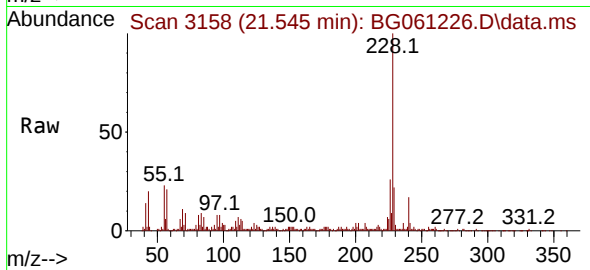
Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

ETGI-339



Tgt Ion:228 Resp: 14425

Ion Ratio Lower Upper

228 100

226 26.3 21.6 32.4

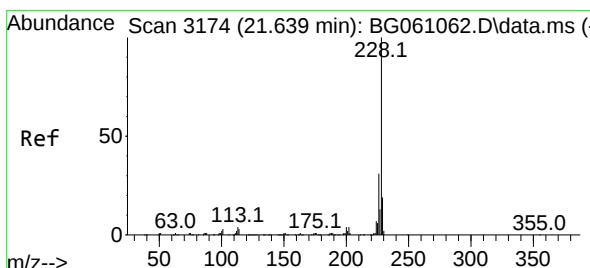
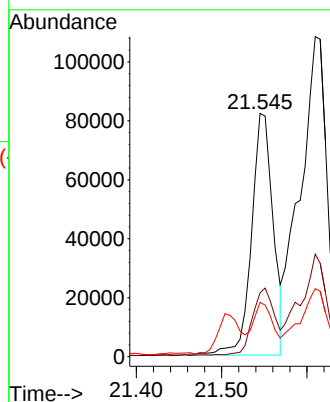
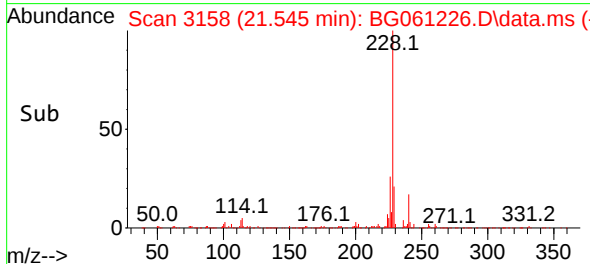
229 22.3 15.0 22.4

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Reviewed By :Jagrut Upadhyay 05/17/2024

Supervised By :mohammad ahmed 05/18/2024



#83

Chrysene

Concen: 20.720 ng

RT: 21.610 min Scan# 3169

Delta R.T. -0.030 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

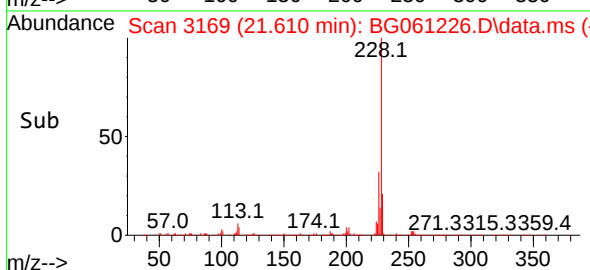
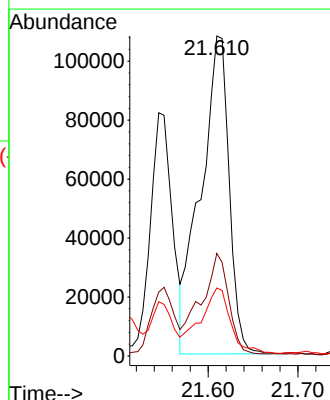
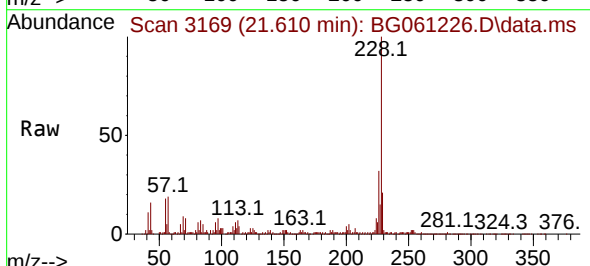
Tgt Ion:228 Resp: 236984

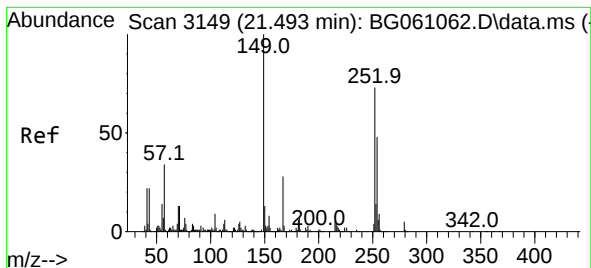
Ion Ratio Lower Upper

228 100

226 32.1 24.4 36.6

229 21.3 14.8 22.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.389 ng

RT: 21.463 min Scan# 3149

Delta R.T. -0.030 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

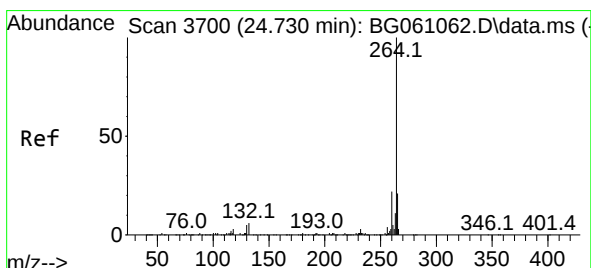
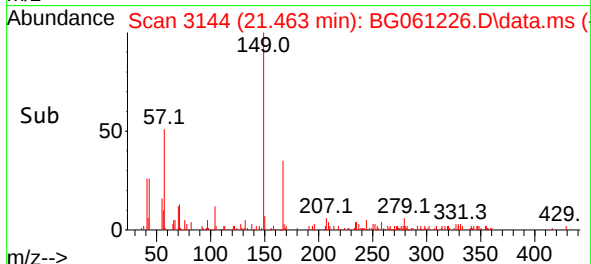
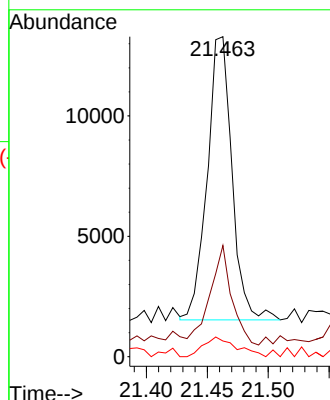
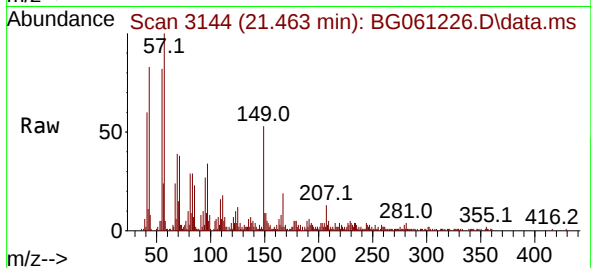
ETGI-339

Tgt Ion:	149	Resp:	16614
Ion Ratio	Lower	Upper	
149	100		
167	34.7	22.1	33.1
279	4.9	4.1	6.1

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Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#86

Perylene-d12

Concen: 20.000 ng

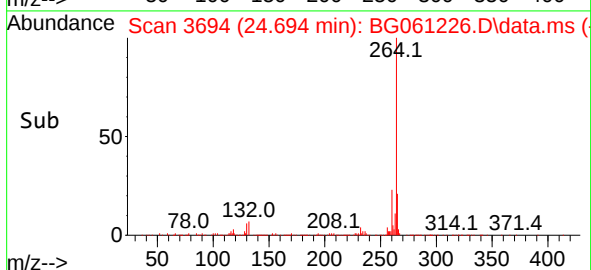
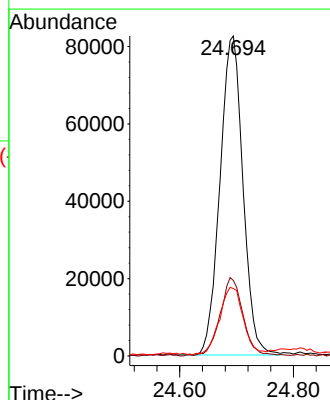
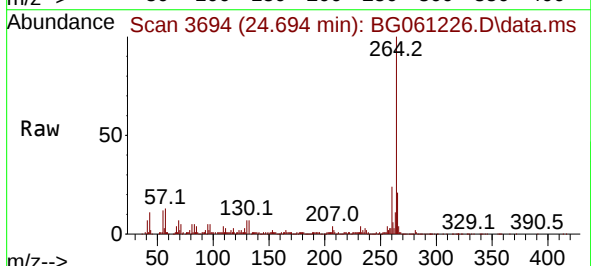
RT: 24.694 min Scan# 3694

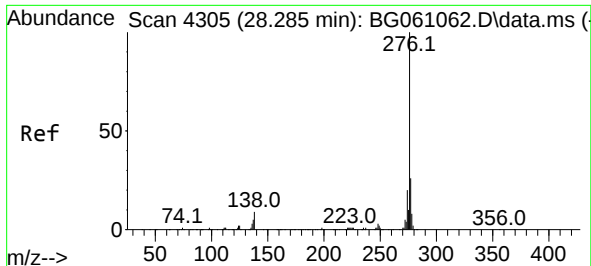
Delta R.T. -0.036 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

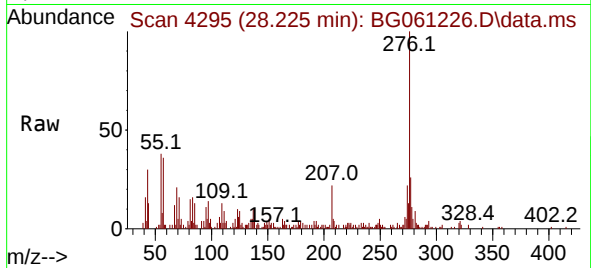
Tgt Ion:	264	Resp:	231392
Ion Ratio	Lower	Upper	
264	100		
260	23.6	17.7	26.5
265	21.0	16.4	24.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.151 ng
RT: 28.225 min Scan# 41
Delta R.T. -0.059 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

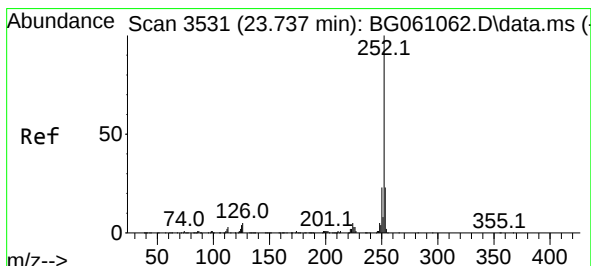
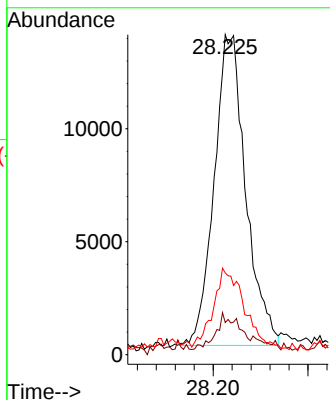
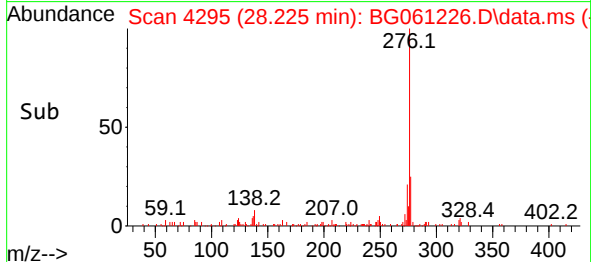
Instrument :
BNA_G
ClientSampleId :
ETGI-339



Tgt Ion:276 Resp: 6365
Ion Ratio Lower Upper
276 100
138 8.5 5.1 7.7
277 24.9 20.6 30.8

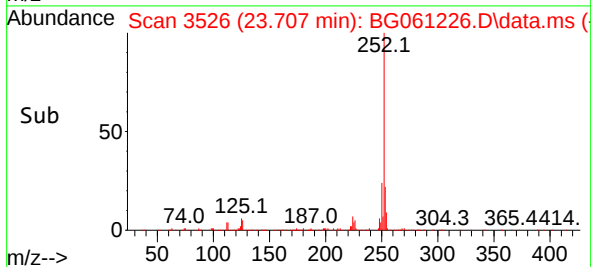
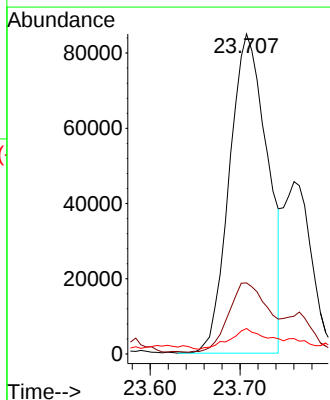
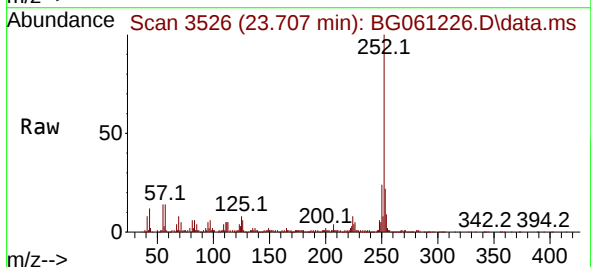
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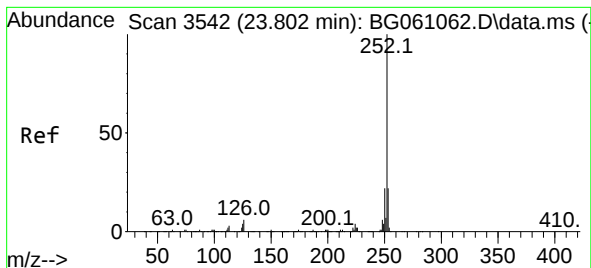
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#88
Benzo(b)fluoranthene
Concen: 19.305 ng
RT: 23.707 min Scan# 3526
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:252 Resp: 249621
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 8.0 3.4 5.0#





#89

Benzo(k)fluoranthene

Concen: 7.831 ng m

RT: 23.760 min Scan# 3

Delta R.T. -0.042 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

ETGI-339

Tgt Ion:252 Resp: 97410

Ion Ratio Lower Upper

252 100

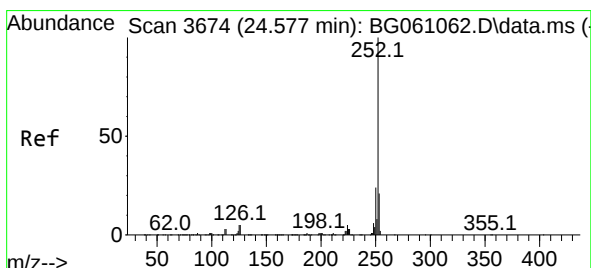
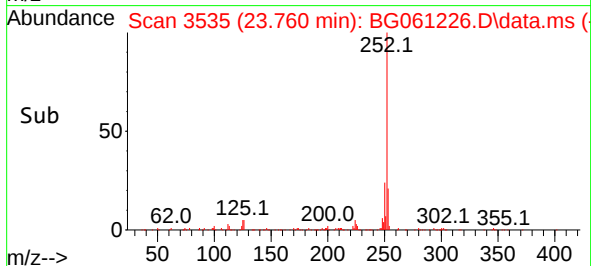
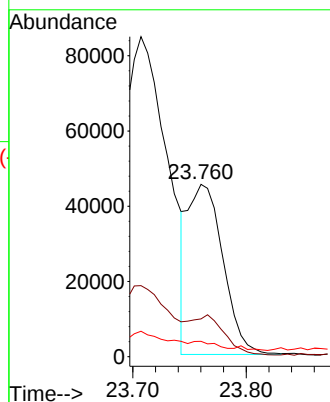
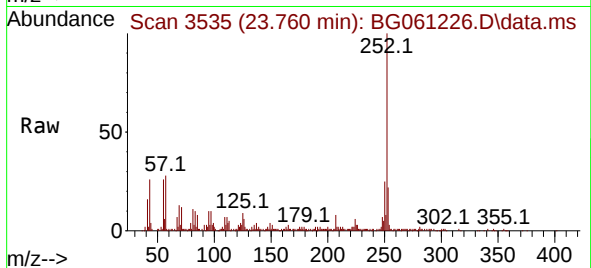
253 21.9 17.3 25.9

125 8.9 3.2 4.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#90

Benzo(a)pyrene

Concen: 8.610 ng

RT: 24.547 min Scan# 3669

Delta R.T. -0.030 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

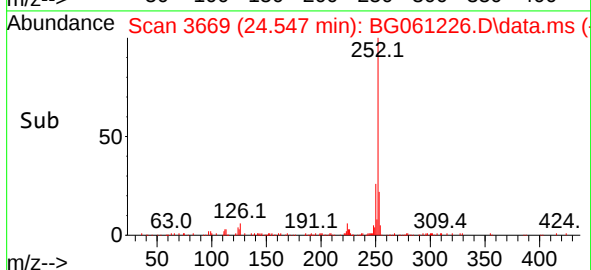
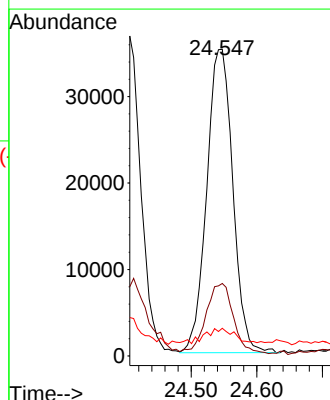
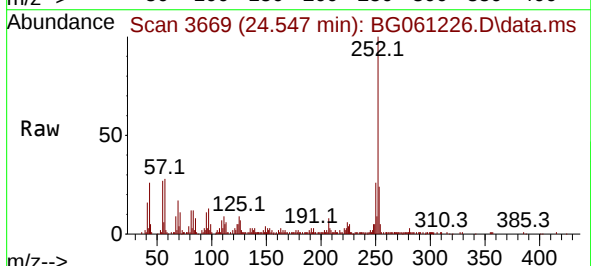
Tgt Ion:252 Resp: 96989

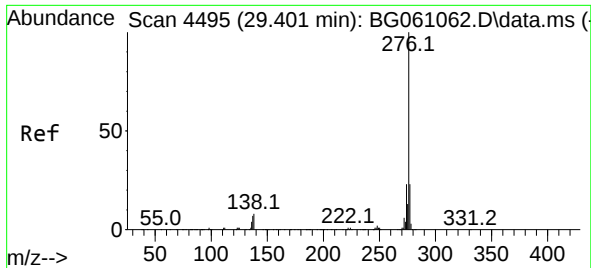
Ion Ratio Lower Upper

252 100

253 23.6 16.9 25.3

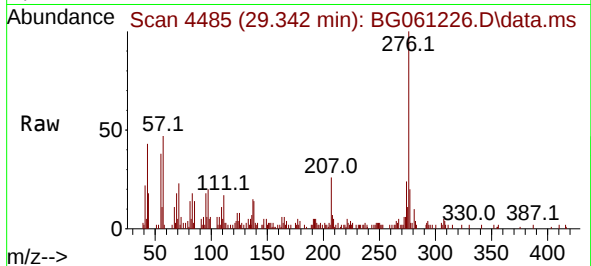
125 9.0 3.8 5.8





#92
Benzo(g,h,i)perylene
Concen: 4.381 ng
RT: 29.342 min Scan# 44
Delta R.T. -0.059 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Instrument :
BNA_G
ClientSampleId :
ETGI-339



Tgt Ion:	276	Resp:	5528
Ion Ratio	Lower	Upper	
276	100		
277	19.8	18.2	27.4
138	13.5	6.2	9.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

