

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060960.D
 Acq On : 19 Apr 2024 15:33
 Operator : MA/JU
 Sample : P2188-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 222177

Manual Integrations
 APPROVED

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

Quant Time: Apr 19 16:22:44 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	7.940	152	31986	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	120018	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	94356	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	207498	20.000	ng	# 0.00
76) Chrysene-d12	21.577	240	188712	20.000	ng	# 0.00
86) Perylene-d12	24.709	264	229287	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	160160	86.974	ng	0.00
7) Phenol-d6	7.106	99	214331	80.794	ng	0.00
23) Nitrobenzene-d5	9.092	82	154755	58.537	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	150220	96.369	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	367109	57.094	ng	0.00
79) Terphenyl-d14	19.944	244	647884	59.917	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.359	178	40401	3.847	ng	98
75) Fluoranthene	19.368	202	134718	10.077	ng	96
78) Pyrene	19.732	202	129834	10.029	ng	98
81) Benzo(a)anthracene	21.560	228	76973	5.776	ng	96
83) Chrysene	21.624	228	94058m	7.392	ng	
87) Indeno(1,2,3-cd)pyrene	28.234	276	55615	3.508	ng	# 57
88) Benzo(b)fluoranthene	23.722	252	144268	11.121	ng	# 94
89) Benzo(k)fluoranthene	23.781	252	51723m	3.897	ng	
90) Benzo(a)pyrene	24.556	252	73652	5.758	ng	# 88
92) Benzo(g,h,i)perylene	29.327	276	46956	3.680	ng	# 91

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

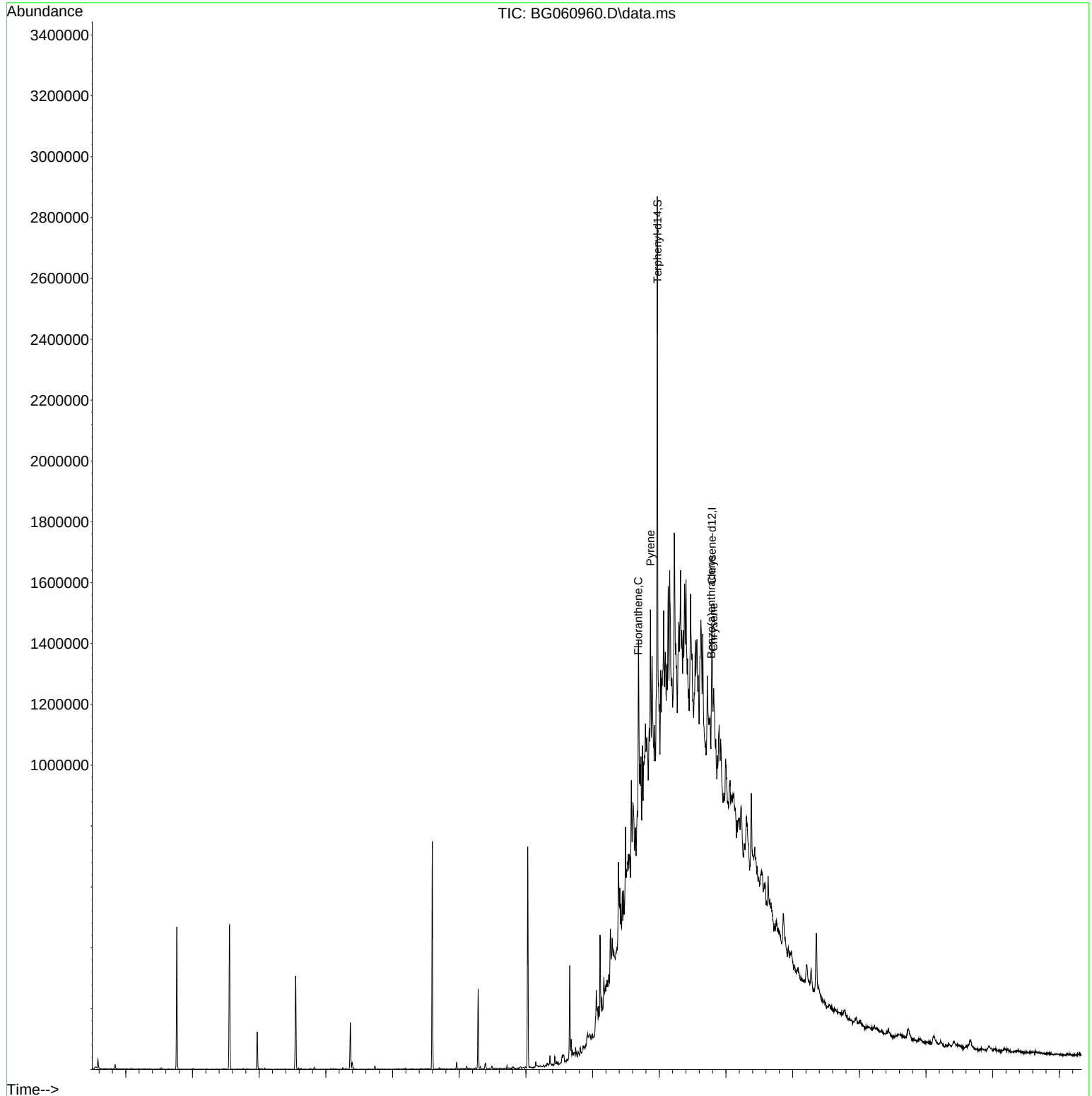
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
Data File : BG060960.D
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Operator : MA/JU
Sample : P2188-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

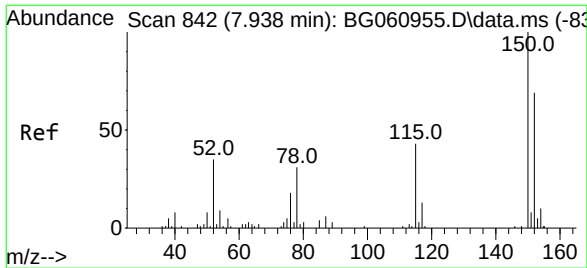
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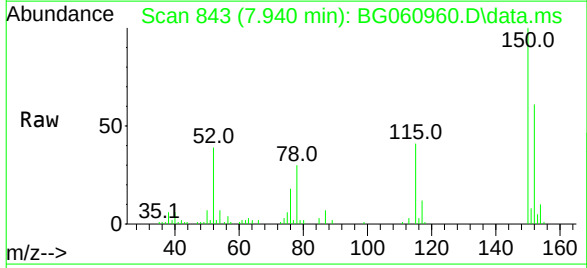
Quant Time: Apr 19 16:22:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 02:02:19 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

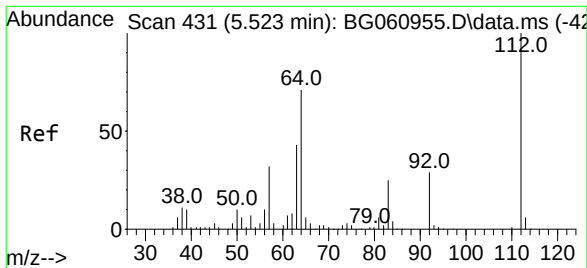
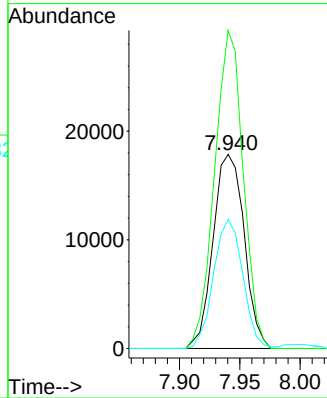
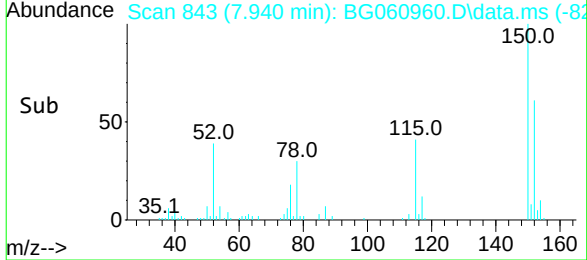
Instrument :
BNA_G
ClientSampleId :
222177



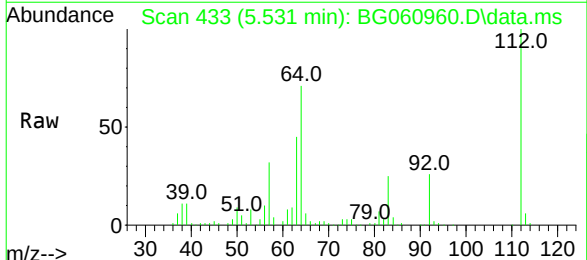
Tgt Ion:152 Resp: 31986
Ion Ratio Lower Upper
152 100
150 163.8 125.6 188.4
115 66.5 47.1 70.7

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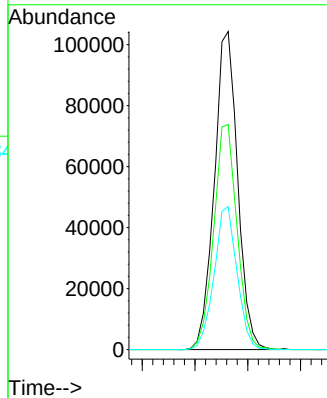
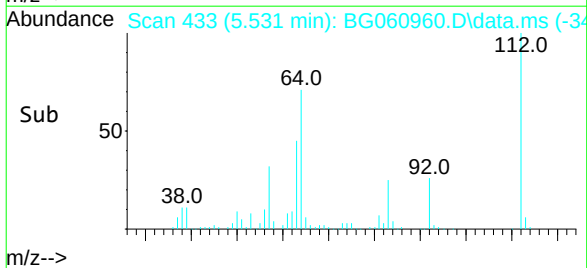
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

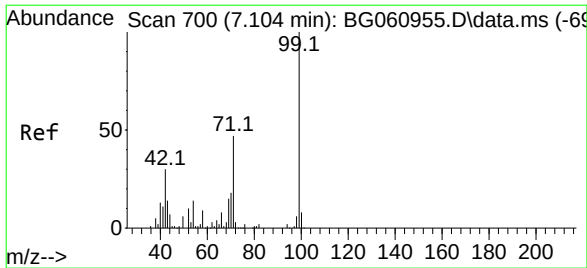


#5
2-Fluorophenol
Concen: 86.974 ng
RT: 5.531 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33



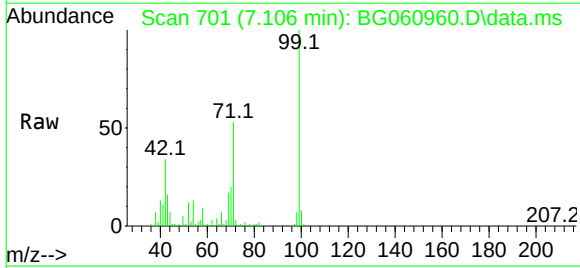
Tgt Ion:112 Resp: 160160
Ion Ratio Lower Upper
112 100
64 70.8 58.9 88.3
63 44.9 32.1 48.1





#7
Phenol-d6
Concen: 80.794 ng
RT: 7.106 min Scan# 700
Delta R.T. -0.001 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

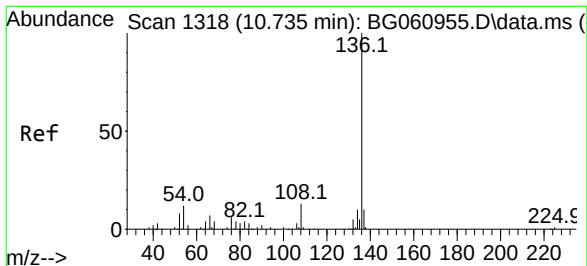
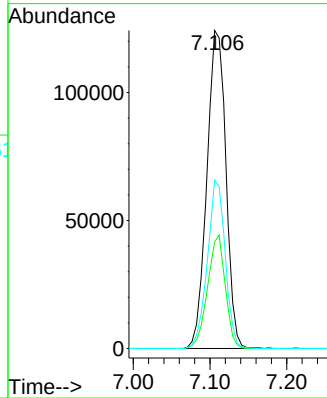
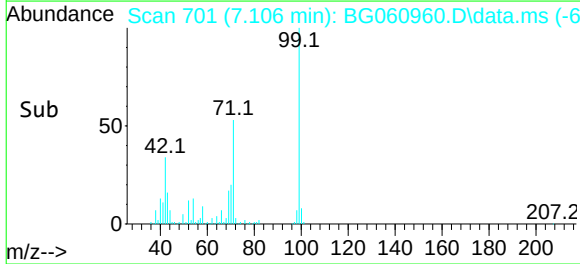
Instrument :
BNA_G
ClientSampleId :
222177



Tgt Ion: 99 Resp: 214331
Ion Ratio Lower Upper
99 100
42 33.6 22.2 33.2#
71 53.0 30.5 45.7#

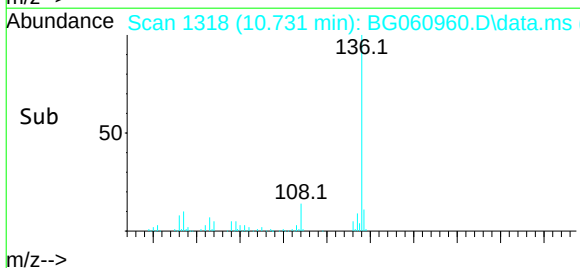
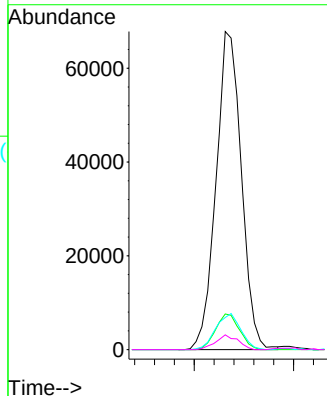
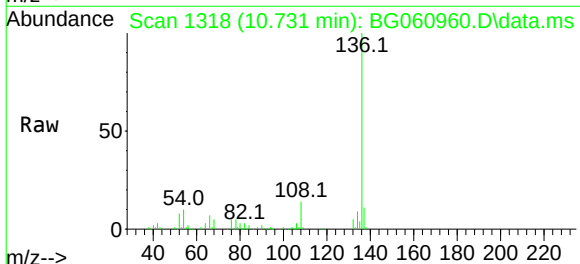
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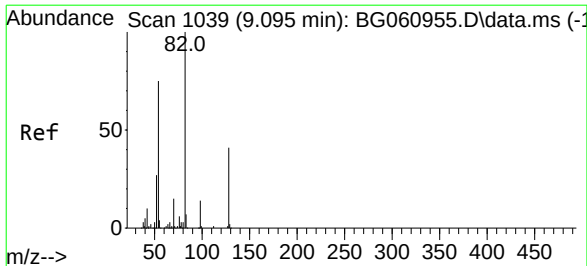
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1318
Delta R.T. -0.007 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Tgt Ion:136 Resp: 120018
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.1 9.8 14.8
68 4.6 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 58.537 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.007 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

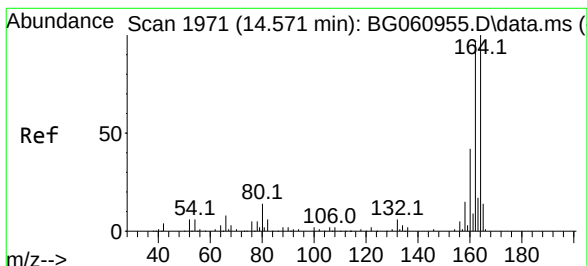
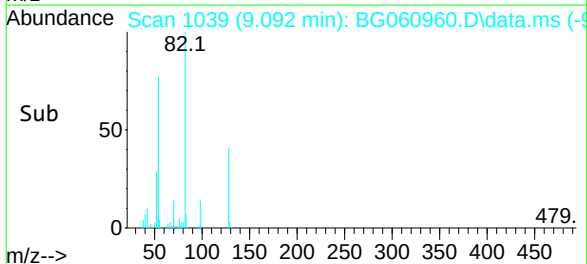
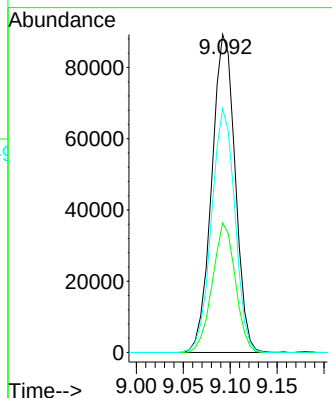
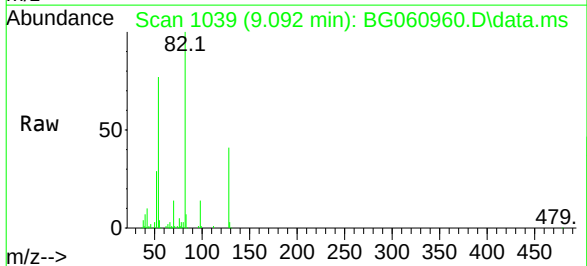
ClientSampleId :

222177

Tgt Ion:	82	Resp:	154755
Ion	Ratio	Lower	Upper
82	100		
128	40.7	31.4	47.0
54	76.6	54.2	81.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

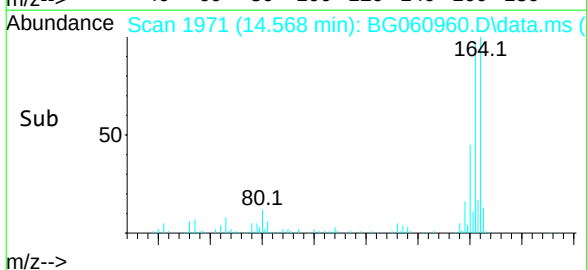
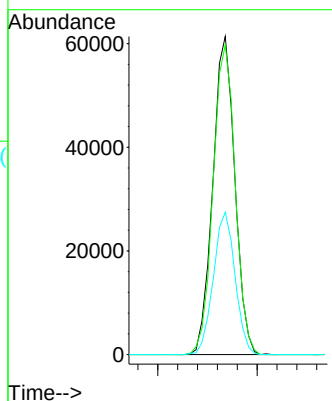
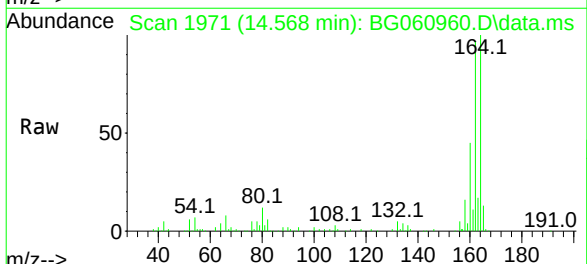
RT: 14.568 min Scan# 1971

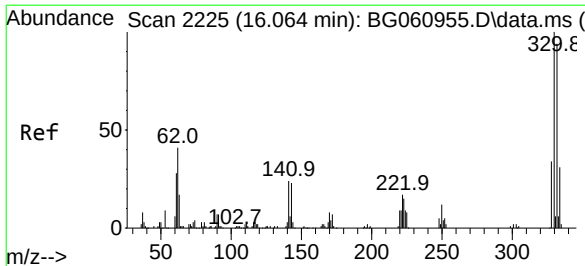
Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Tgt Ion:	164	Resp:	94356
Ion	Ratio	Lower	Upper
164	100		
162	97.4	84.1	126.1
160	44.8	35.9	53.9





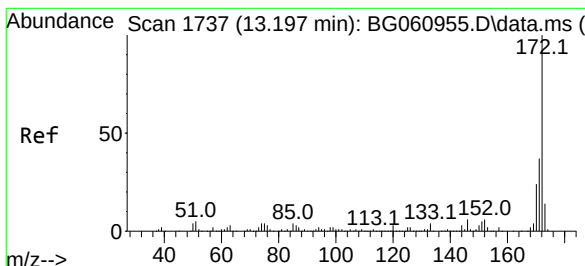
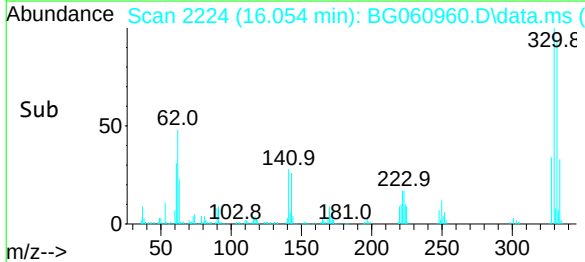
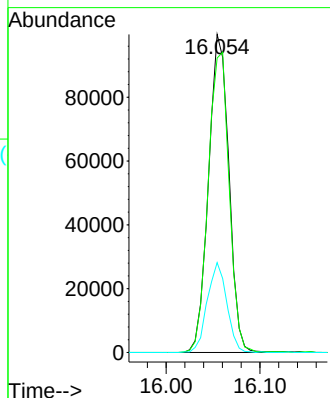
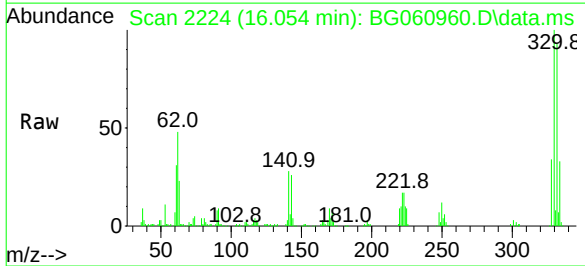
#42
2,4,6-Tribromophenol
Concen: 96.369 ng
RT: 16.054 min Scan# 2225
Delta R.T. -0.007 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Instrument :
BNA_G
ClientSampleId :
222177

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.9	115.3
141	27.2	23.7	35.5

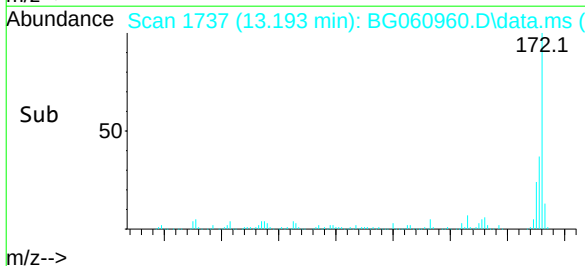
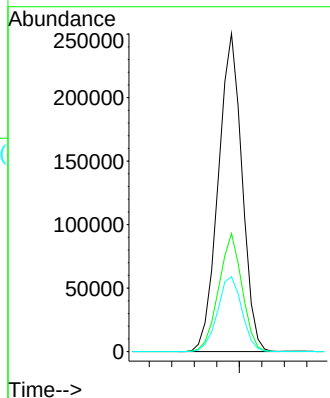
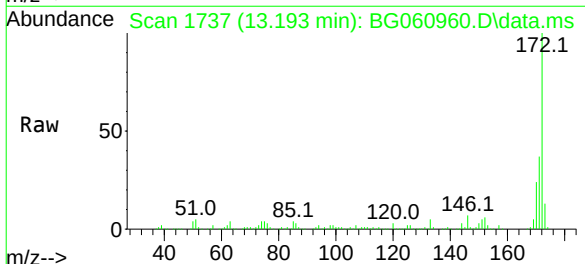
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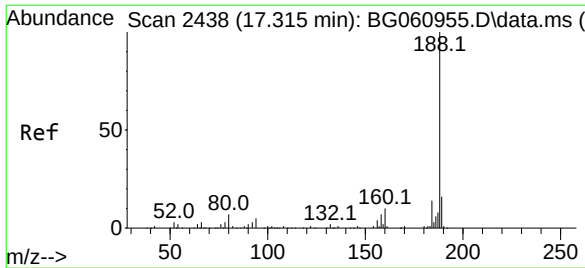
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#45
2-Fluorobiphenyl
Concen: 57.094 ng
RT: 13.193 min Scan# 1737
Delta R.T. -0.001 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.3	43.9
170	23.5	19.5	29.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.318 min Scan# 2438

Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

222177

Tgt Ion:188 Resp: 207498

Ion Ratio Lower Upper

188 100

94 4.6 5.7 8.5#

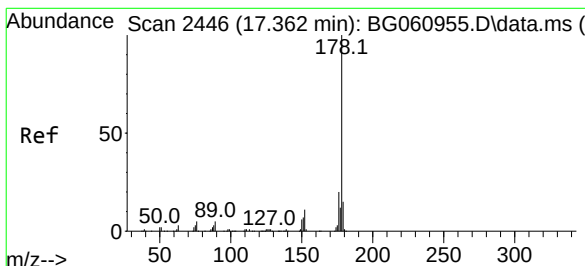
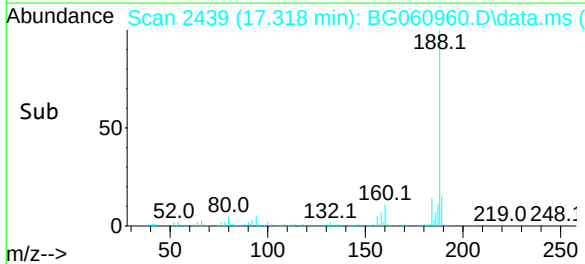
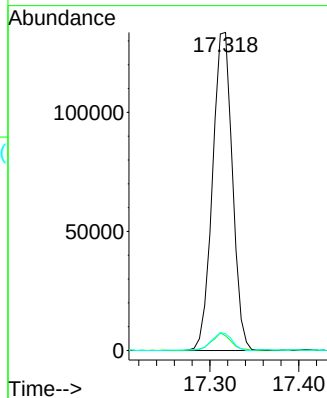
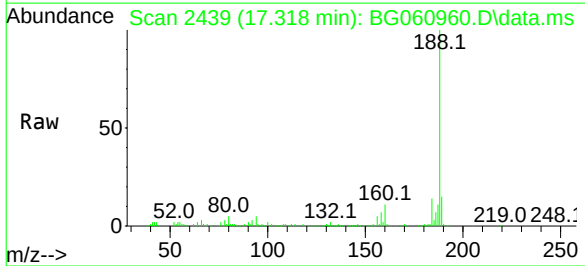
80 5.3 6.6 9.8#

Manual Integrations

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Supervised By :mohammad ahmed 04/22/2024



#71

Phenanthrene

Concen: 3.847 ng

RT: 17.359 min Scan# 2446

Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

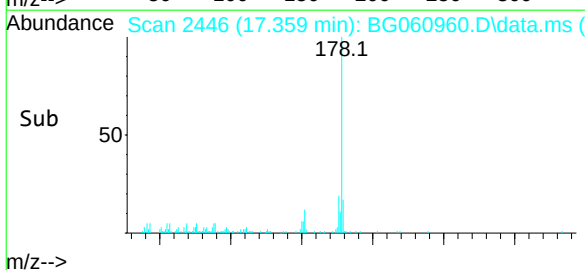
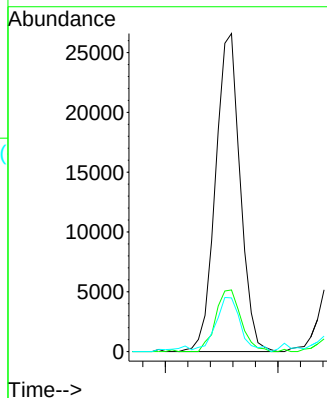
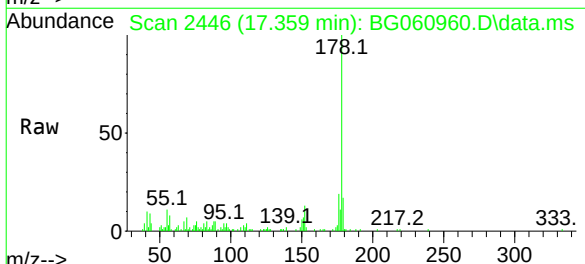
Tgt Ion:178 Resp: 40401

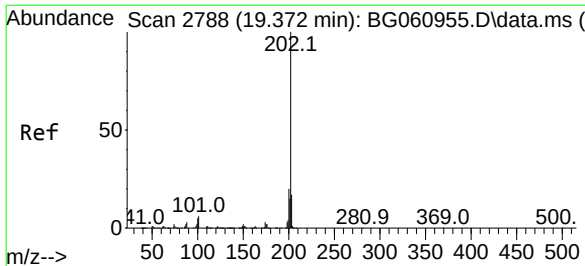
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 16.9 12.0 18.0





#75

Fluoranthene

Concen: 10.077 ng

RT: 19.368 min Scan# 27

Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

222177

Tgt Ion:202 Resp: 134718

Ion Ratio Lower Upper

202 100

101 4.7 0.0 28.6

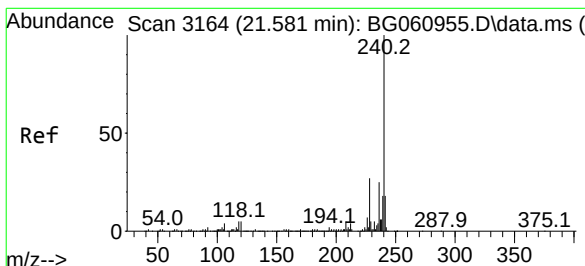
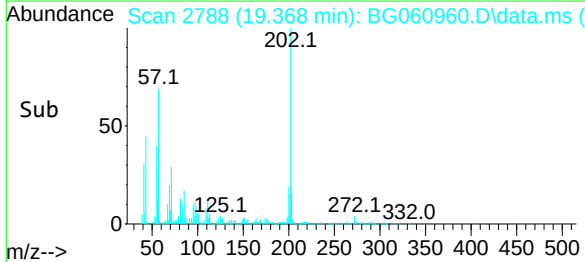
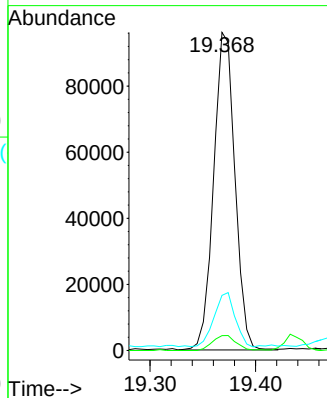
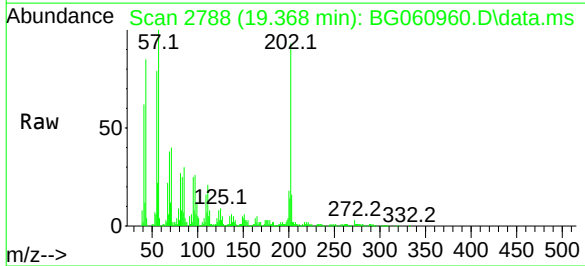
203 17.3 0.0 37.3

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.577 min Scan# 3164

Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

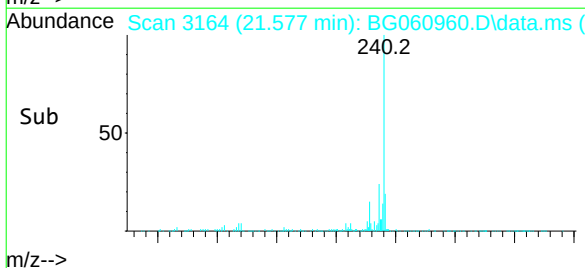
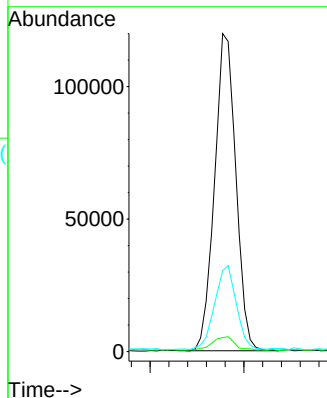
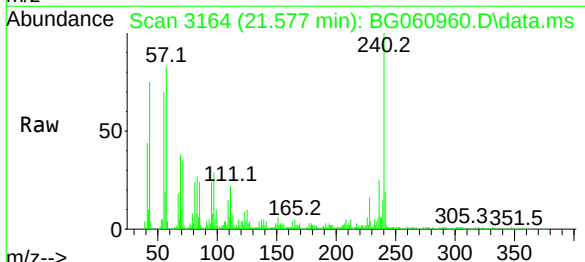
Tgt Ion:240 Resp: 188712

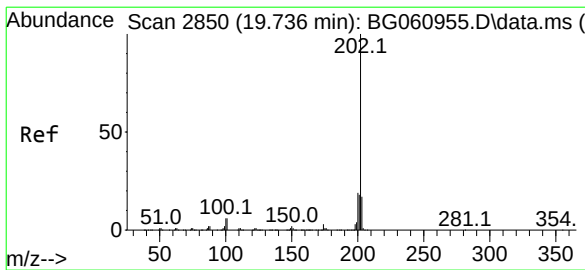
Ion Ratio Lower Upper

240 100

120 4.4 5.7 8.5#

236 25.4 21.1 31.7





#78

Pyrene

Concen: 10.029 ng

RT: 19.732 min Scan# 28

Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

222177

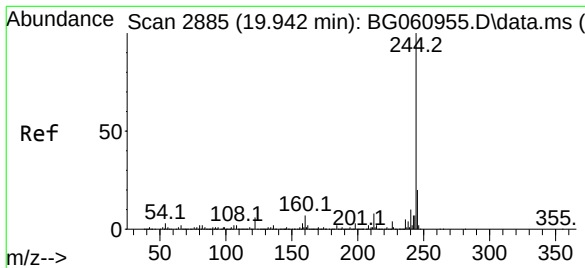
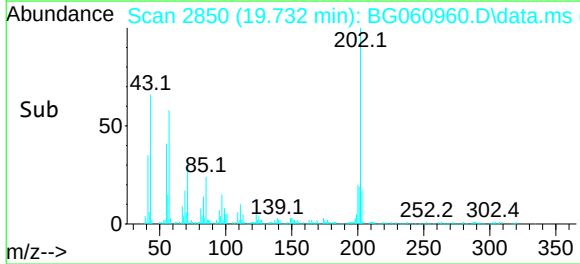
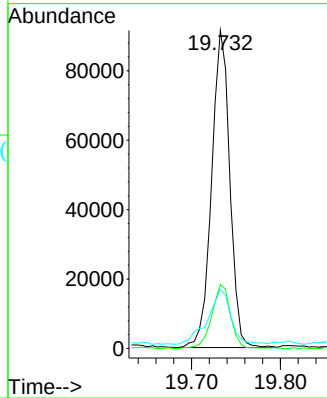
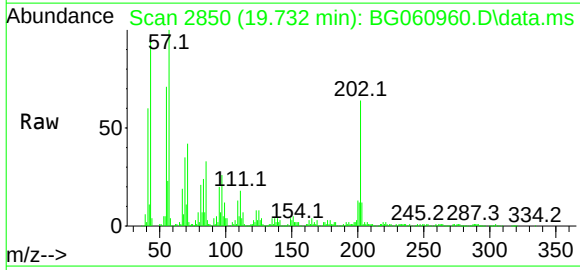
Tgt	Ion:202	Resp:	129834
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.7	25.1
203	18.6	13.8	20.8

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Supervised By :mohammad ahmed 04/22/2024



#79

Terphenyl-d14

Concen: 59.917 ng

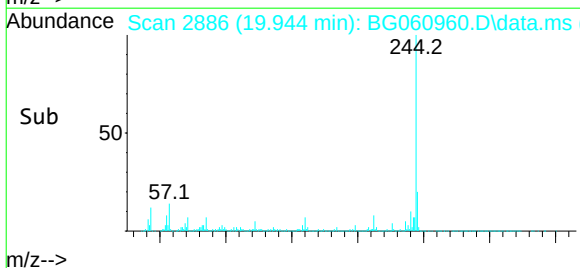
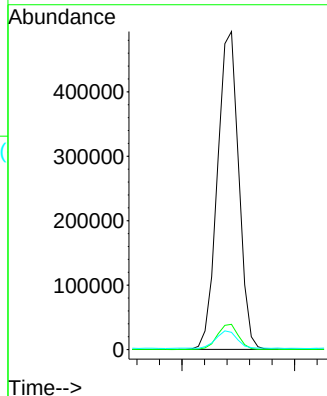
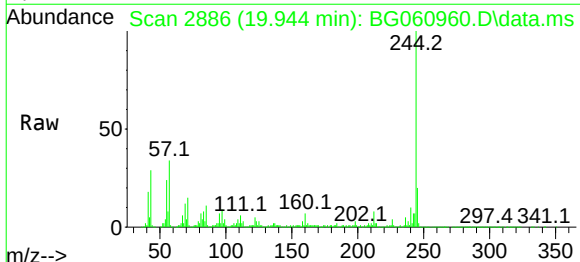
RT: 19.944 min Scan# 2886

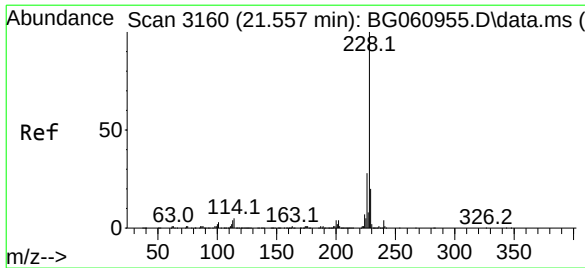
Delta R.T. 0.005 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Tgt	Ion:244	Resp:	647884
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.4
122	5.4	6.6	9.8#





#81

Benzo(a)anthracene

Concen: 5.776 ng

RT: 21.560 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

222177

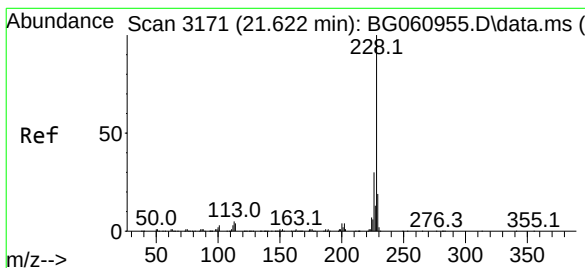
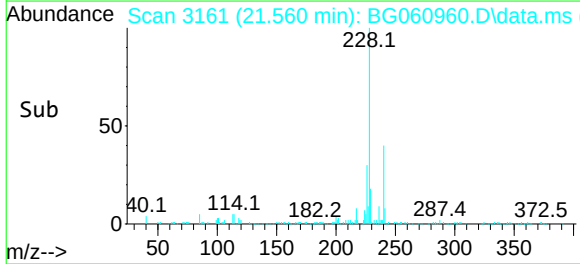
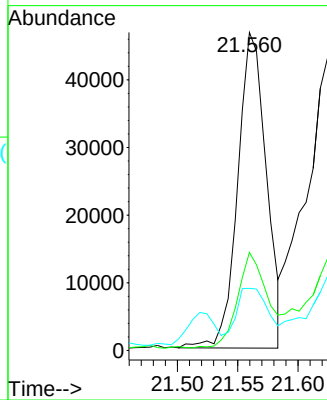
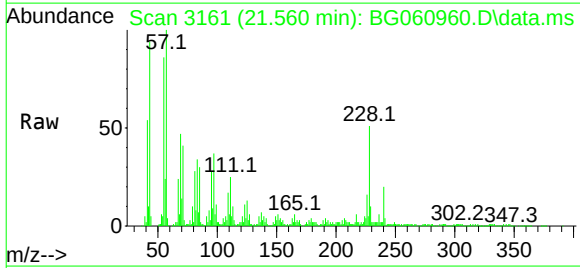
Tgt	Ion:228	Resp:	76973
Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.0	33.0
229	19.5	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#83

Chrysene

Concen: 7.392 ng m

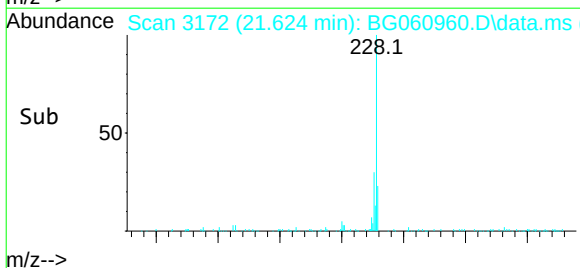
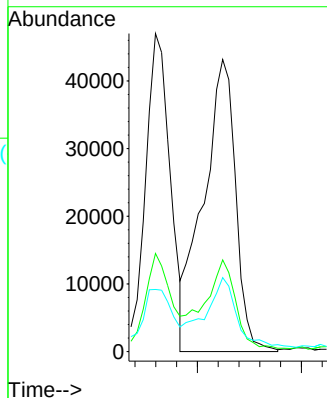
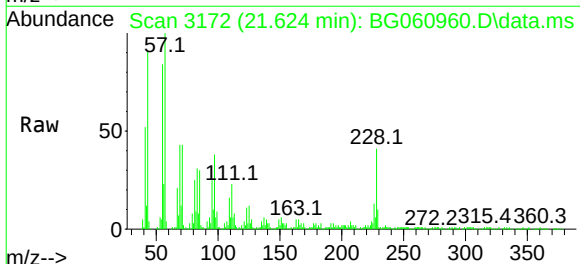
RT: 21.624 min Scan# 3172

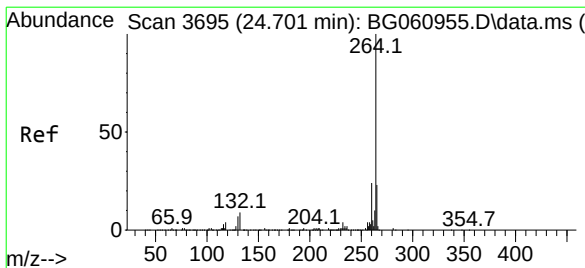
Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Tgt	Ion:228	Resp:	94058
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.4	36.6
229	25.3	15.6	23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.709 min Scan# 36

Delta R.T. 0.011 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

222177

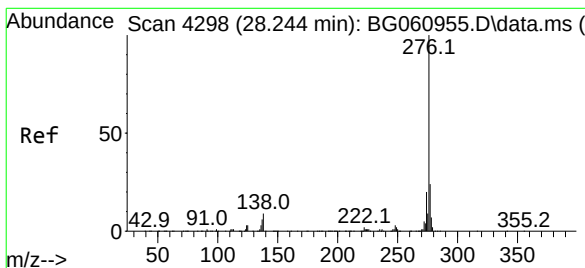
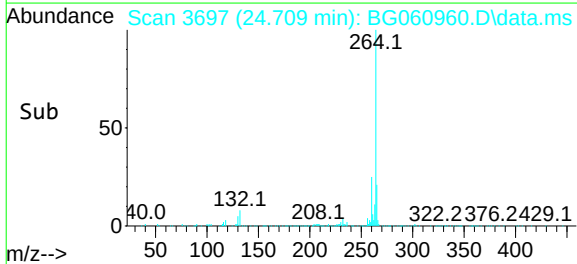
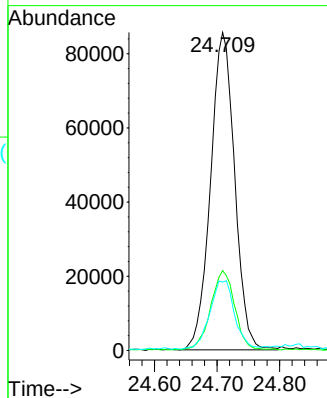
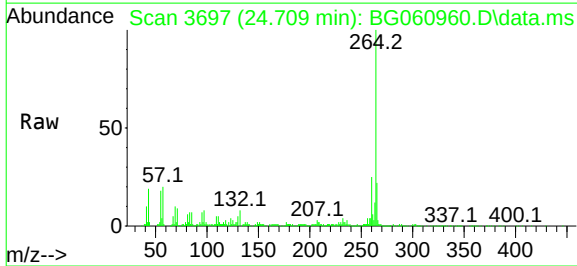
Tgt	Ion:264	Resp:	229287
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	21.5	16.6	25.0

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: 3.508 ng

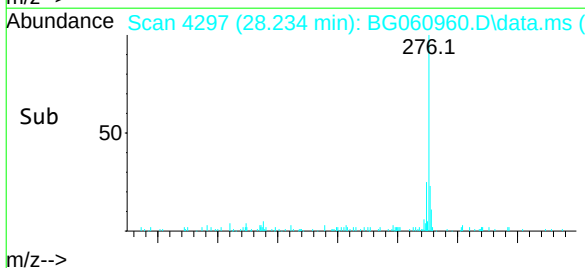
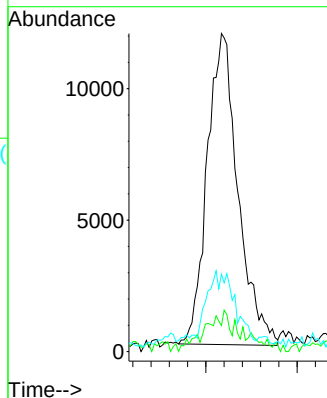
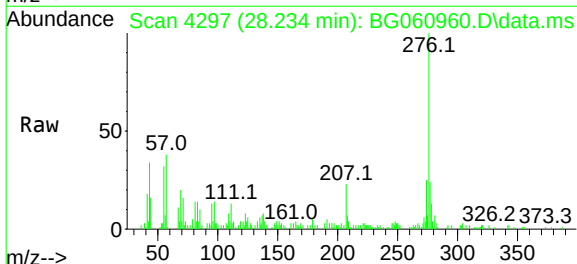
RT: 28.234 min Scan# 4297

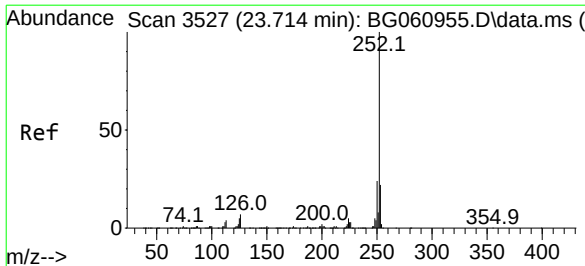
Delta R.T. -0.013 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

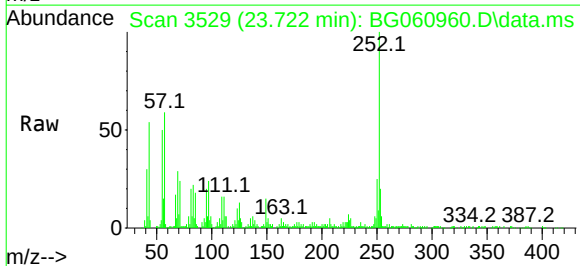
Tgt	Ion:276	Resp:	55615
Ion	Ratio	Lower	Upper
276	100		
138	1.3	10.8	16.2#
277	0.0	20.3	30.5#





#88
Benzo(b)fluoranthene
Concen: 11.121 ng
RT: 23.722 min Scan# 3527
Delta R.T. 0.005 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

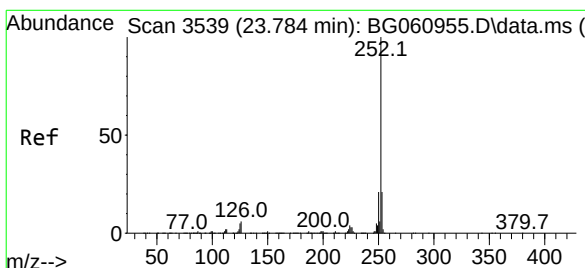
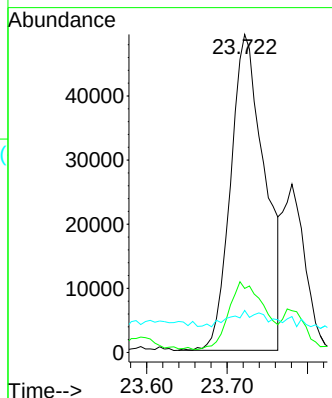
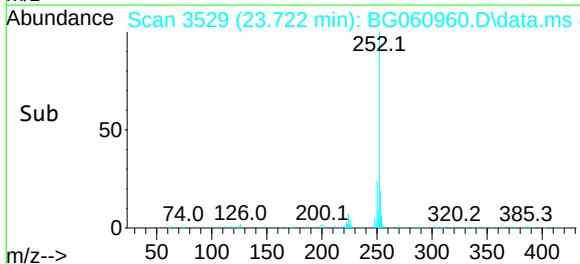
Instrument :
BNA_G
ClientSampleId :
222177



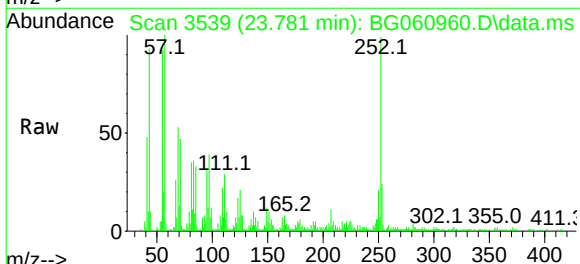
Tgt Ion:252 Resp: 144268
Ion Ratio Lower Upper
252 100
253 20.1 16.8 25.2
125 13.2 5.6 8.4#

Manual Integrations
APPROVED

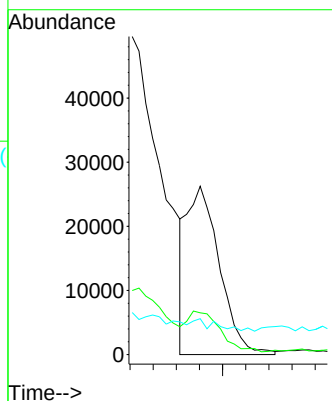
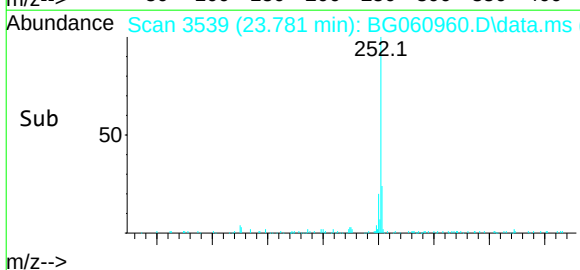
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

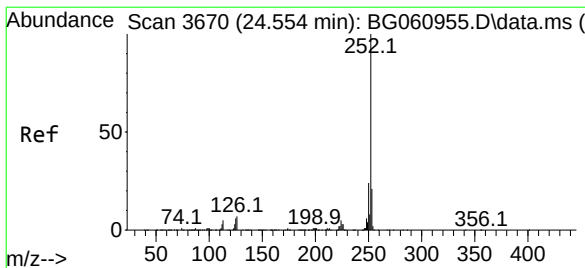


#89
Benzo(k)fluoranthene
Concen: 3.897 ng m
RT: 23.781 min Scan# 3539
Delta R.T. -0.001 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33



Tgt Ion:252 Resp: 51723
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 21.3 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 5.758 ng

RT: 24.556 min Scan# 36

Delta R.T. 0.005 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

222177

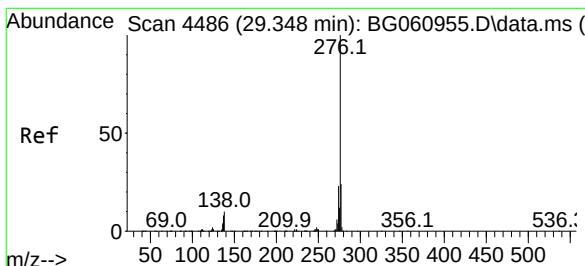
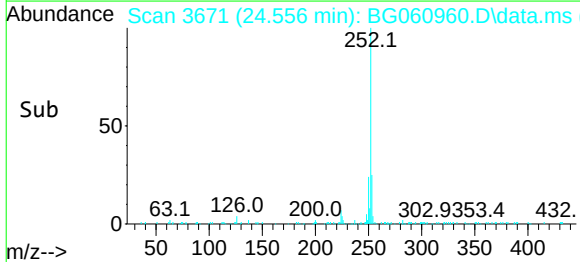
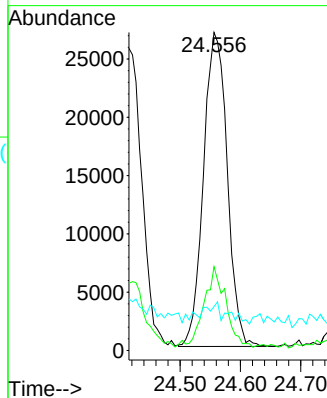
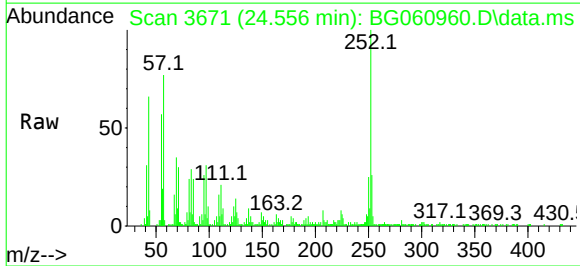
Tgt	Ion:252	Resp:	73652
Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.1	25.7#
125	13.8	6.1	9.1#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#92

Benzo(g,h,i)perylene

Concen: 3.680 ng

RT: 29.327 min Scan# 4483

Delta R.T. -0.025 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Tgt	Ion:276	Resp:	46956
Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.3	27.5
138	9.5	12.2	18.4#

