

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059776.D
 Acq On : 20 Nov 2023 19:48
 Operator : MA/JU
 Sample : 05356-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-205

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 21 00:20:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	30484	20.000	ng	# 0.00
21) Naphthalene-d8	11.178	136	141053	20.000	ng	-0.01
39) Acenaphthene-d10	14.962	164	90573	20.000	ng	# 0.00
64) Phenanthrene-d10	17.712	188	203864	20.000	ng	0.00
76) Chrysene-d12	22.036	240	162218	20.000	ng	#-0.02
86) Perylene-d12	25.626	264	192595	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.825	112	153150	84.560	ng	0.00
7) Phenol-d6	7.453	99	244745	91.189	ng	0.00
23) Nitrobenzene-d5	9.527	82	227605	61.627	ng	-0.01
42) 2,4,6-Tribromophenol	16.448	330	113964	110.896	ng	0.00
45) 2-Fluorobiphenyl	13.581	172	420890	62.550	ng	-0.01
79) Terphenyl-d14	20.285	244	706536	64.298	ng	0.00
Target Compounds						
71) Phenanthrene	17.753	178	102927m	9.930	ng	Qvalue
75) Fluoranthene	19.744	202	149890	12.059	ng	99
78) Pyrene	20.109	202	115254m	10.442	ng	
81) Benzo(a)anthracene	22.012	228	61445	5.536	ng	# 89
83) Chrysene	22.083	228	60585m	5.954	ng	
87) Indeno(1,2,3-cd)pyrene	29.750	276	54645m	3.750	ng	
88) Benzo(b)fluoranthene	24.457	252	88444	8.379	ng	# 91
89) Benzo(k)fluoranthene	24.527	252	27705	2.655	ng	92
90) Benzo(a)pyrene	25.450	252	59060	5.242	ng	97
92) Benzo(g,h,i)perylene	31.108	276	43990m	3.760	ng	

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

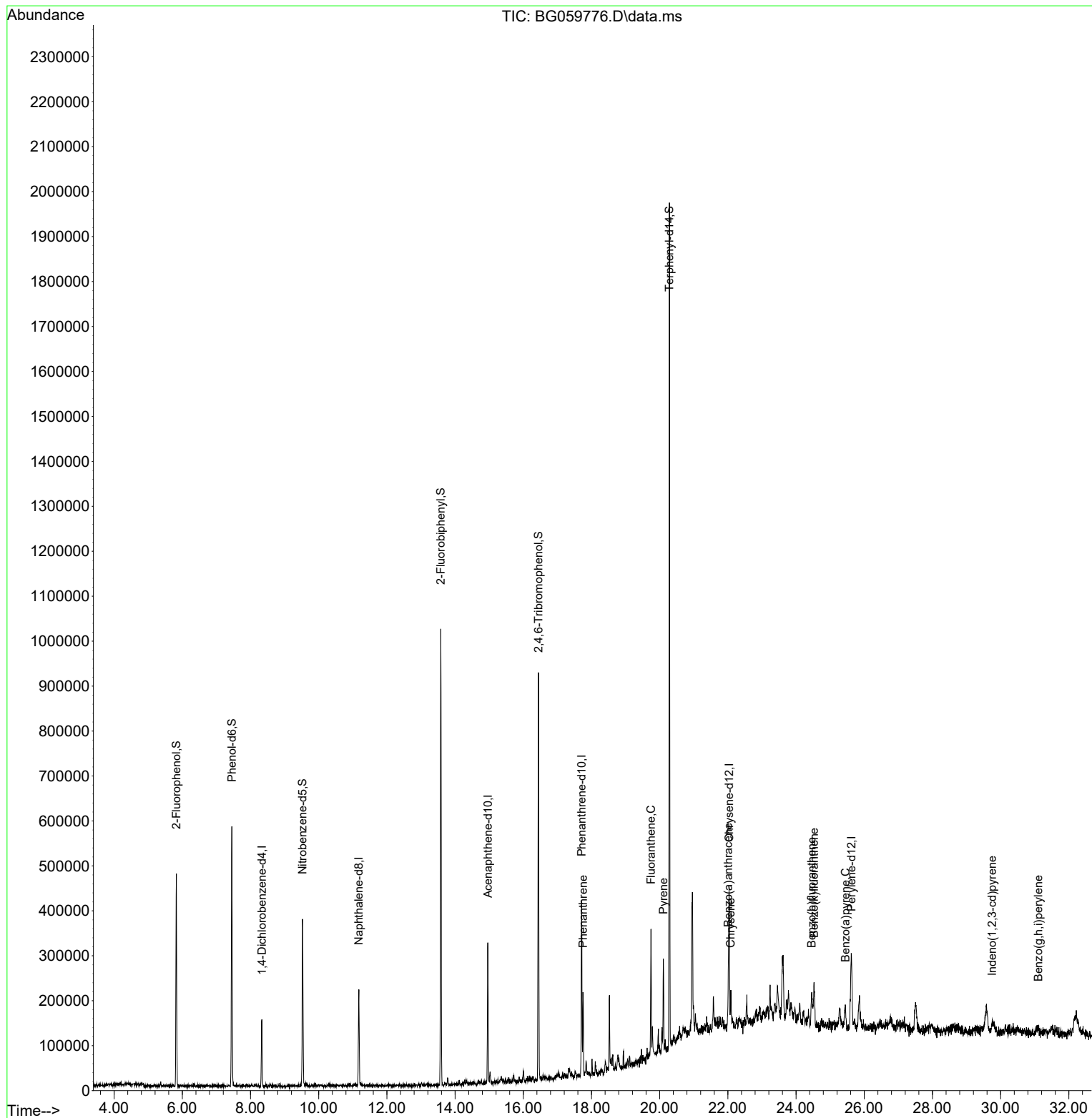
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
Data File : BG059776.D
Acq On : 20 Nov 2023 19:48
Operator : MA/JU
Sample : 05356-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

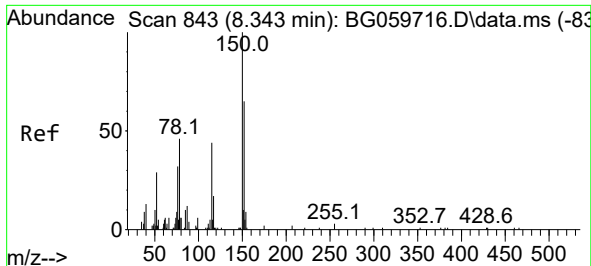
Instrument :
BNA_G
ClientSampleId :
VNJ-205

Quant Time: Nov 21 00:20:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
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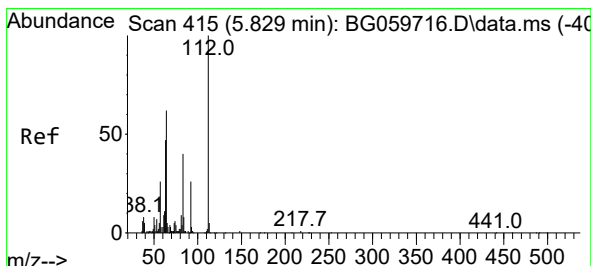
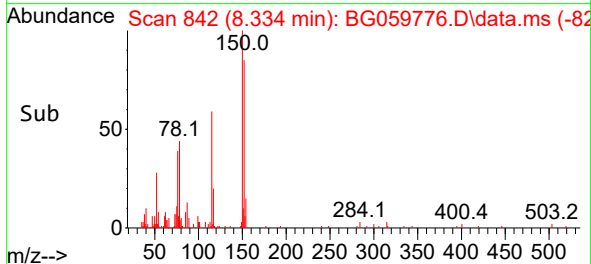
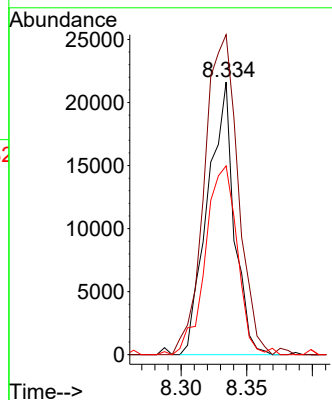
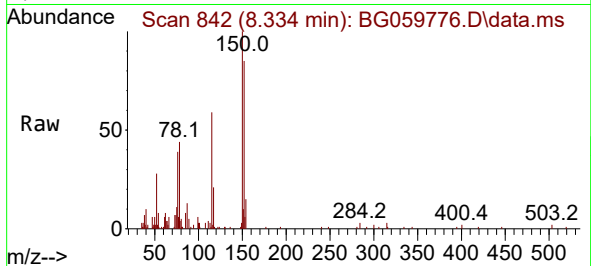
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 843
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Instrument :
BNA_G
ClientSampleId :
VNJ-205

Tgt Ion:152 Resp: 30484
Ion Ratio Lower Upper
152 100
150 117.4 122.2 183.4
115 69.3 54.2 81.4

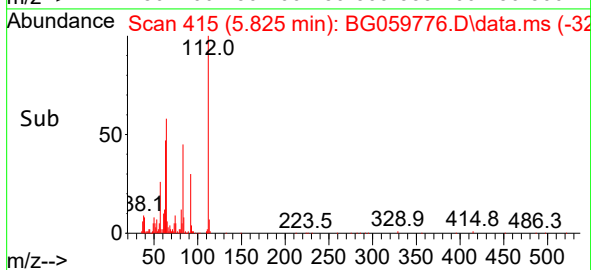
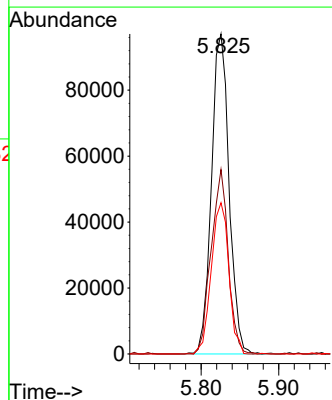
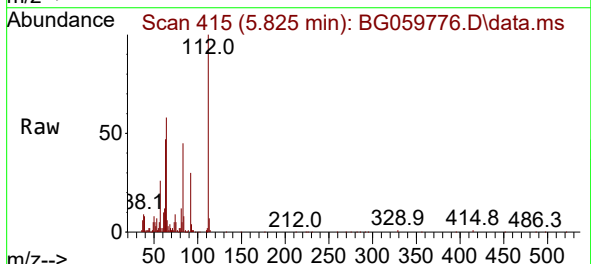
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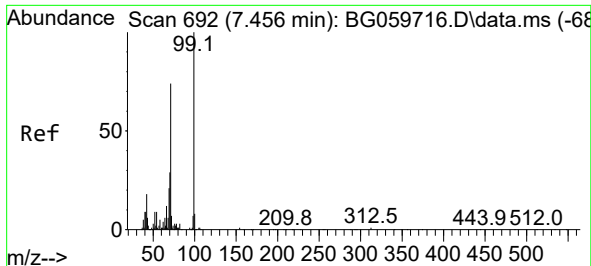
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#5
2-Fluorophenol
Concen: 84.560 ng
RT: 5.825 min Scan# 415
Delta R.T. -0.003 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

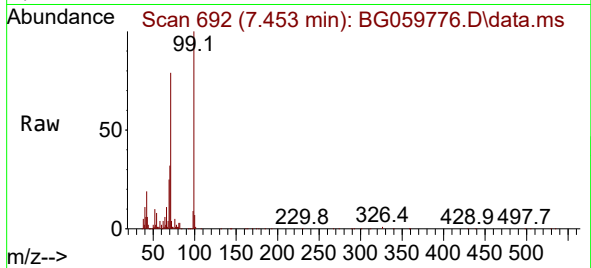
Tgt Ion:112 Resp: 153150
Ion Ratio Lower Upper
112 100
64 57.6 49.5 74.3
63 47.2 37.4 56.2





#7
Phenol-d6
Concen: 91.189 ng
RT: 7.453 min Scan# 692
Delta R.T. -0.003 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

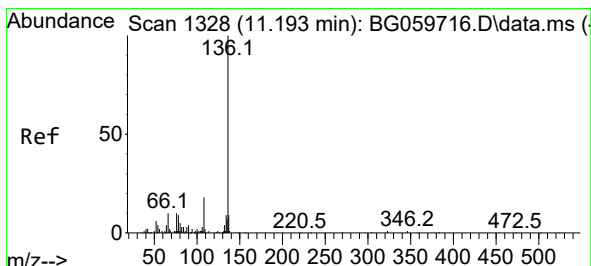
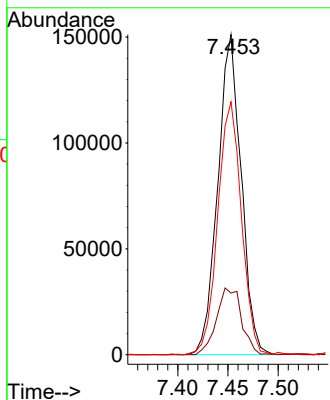
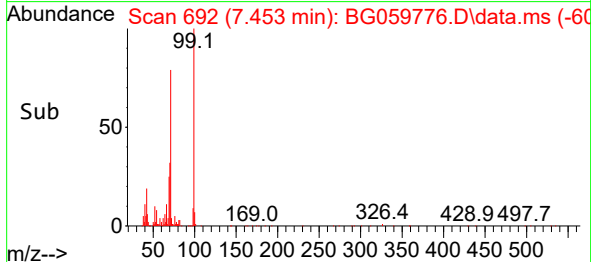
Instrument :
BNA_G
ClientSampleId :
VNJ-205



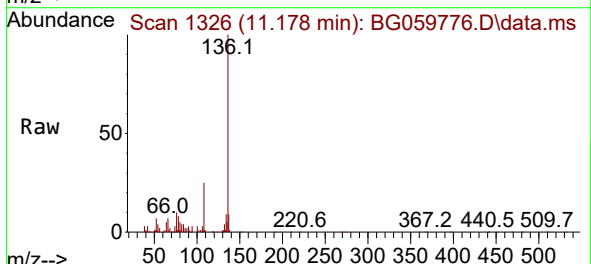
Tgt Ion: 99 Resp: 244745
Ion Ratio Lower Upper
99 100
42 19.2 14.3 21.5
71 79.0 59.3 88.9

Manual Integrations
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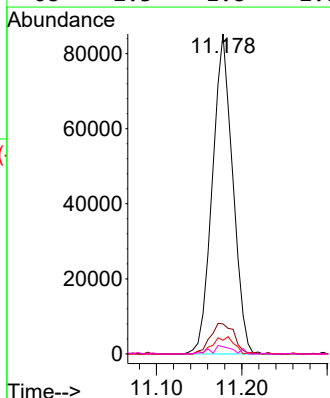
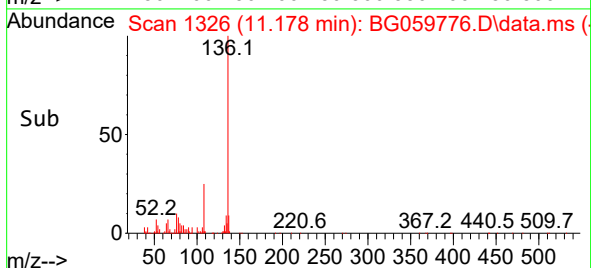
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

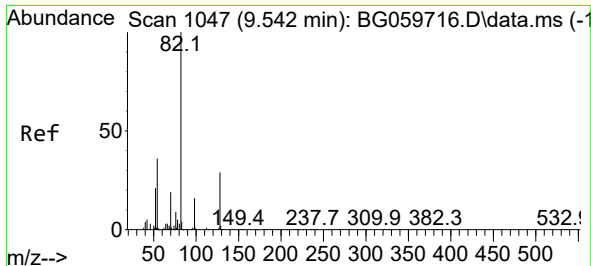


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 1326
Delta R.T. -0.015 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48



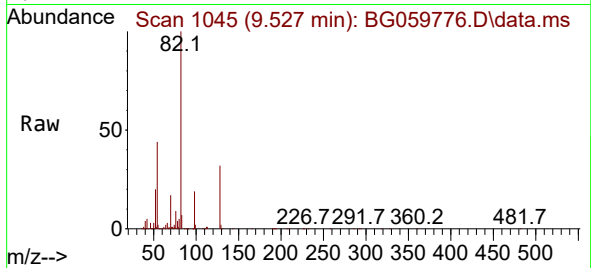
Tgt Ion:136 Resp: 141053
Ion Ratio Lower Upper
136 100
137 9.4 7.4 11.0
54 4.3 3.1 4.7
68 2.3 1.8 2.8





#23
Nitrobenzene-d5
Concen: 61.627 ng
RT: 9.527 min Scan# 1045
Delta R.T. -0.015 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

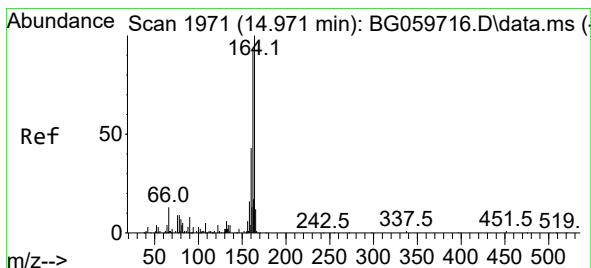
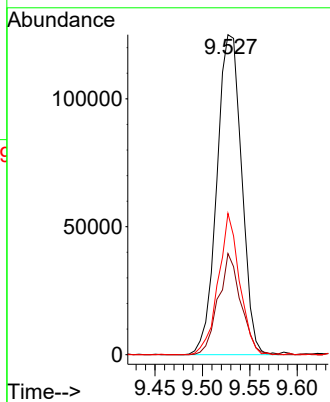
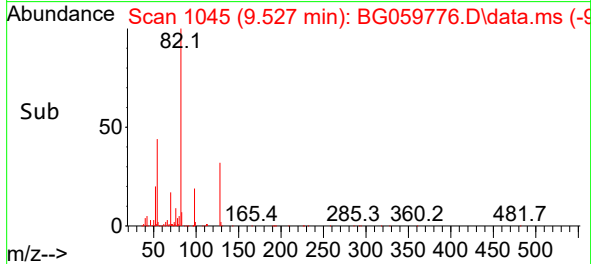
Instrument :
BNA_G
ClientSampleId :
VNJ-205



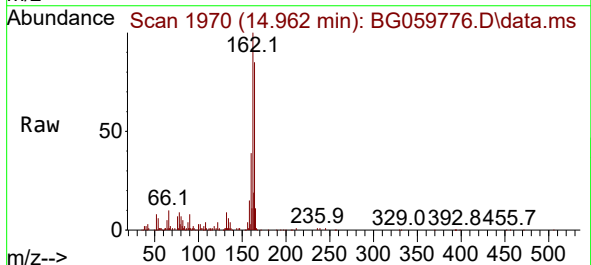
Tgt Ion: 82 Resp: 227609
Ion Ratio Lower Upper
82 100
128 31.6 23.0 34.6
54 44.1 28.7 43.1

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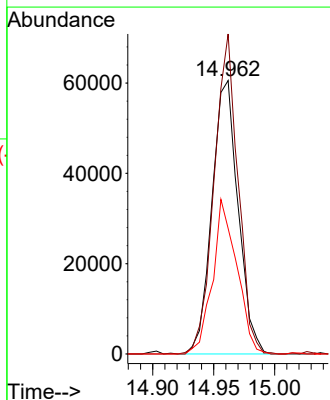
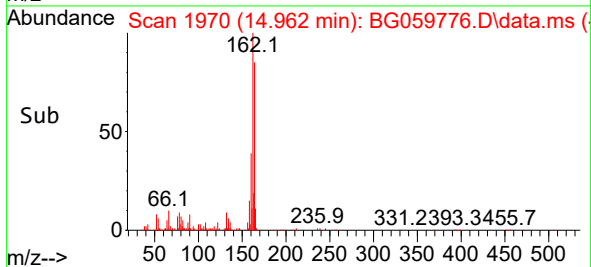
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

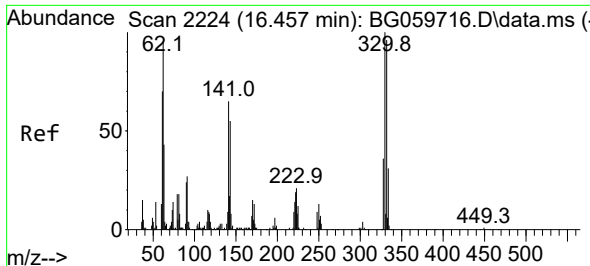


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48



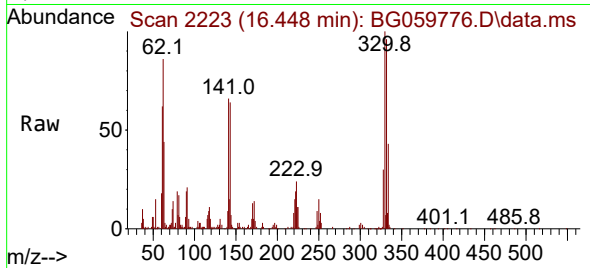
Tgt Ion:164 Resp: 90573
Ion Ratio Lower Upper
164 100
162 117.0 73.3 109.9#
160 45.9 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 110.896 ng
RT: 16.448 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

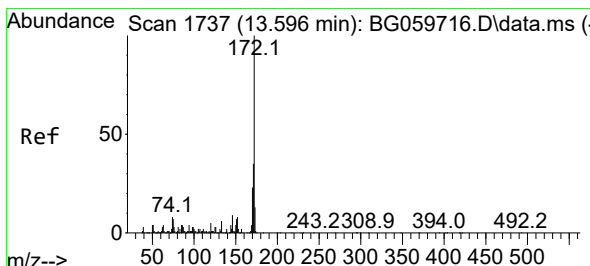
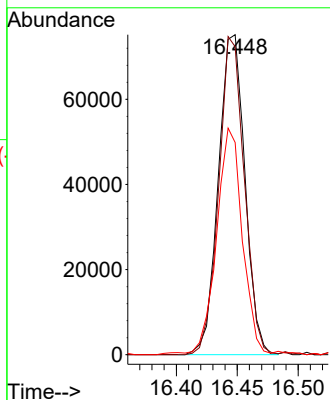
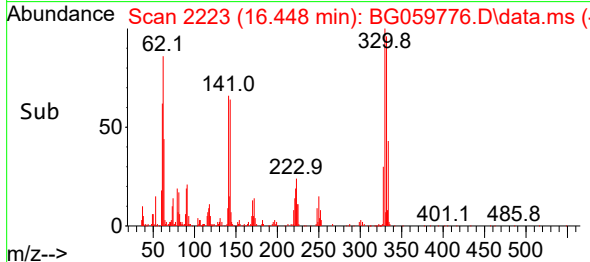
Instrument :
BNA_G
ClientSampleId :
VNJ-205



Tgt Ion:330 Resp: 113964
Ion Ratio Lower Upper
330 100
332 95.8 73.3 109.9
141 69.0 52.1 78.1

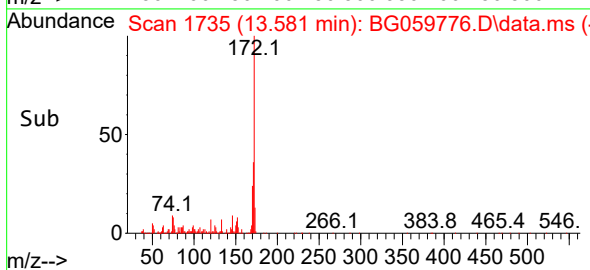
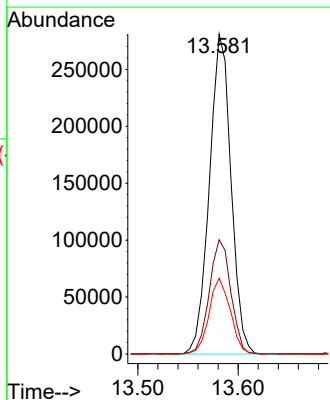
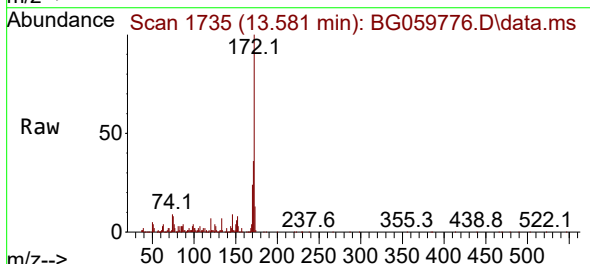
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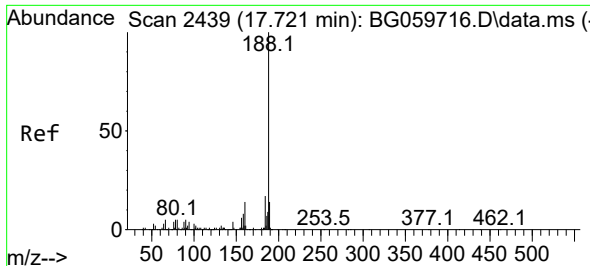
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#45
2-Fluorobiphenyl
Concen: 62.550 ng
RT: 13.581 min Scan# 1735
Delta R.T. -0.015 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion:172 Resp: 420890
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 23.7 18.4 27.6





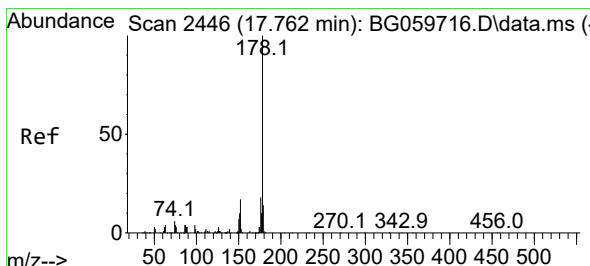
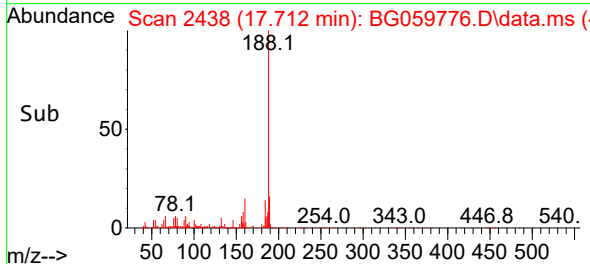
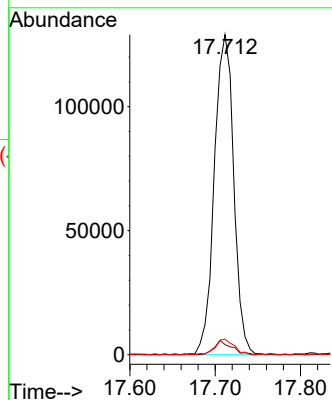
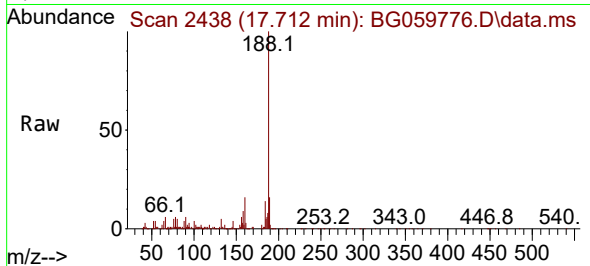
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Instrument :
BNA_G
ClientSampleId :
VNJ-205

Tgt Ion:188 Resp: 203864
Ion Ratio Lower Upper
188 100
94 3.2 3.0 4.4
80 4.8 4.2 6.4

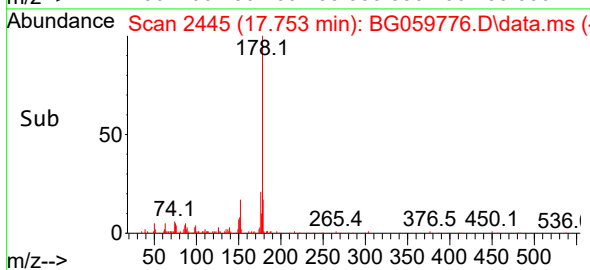
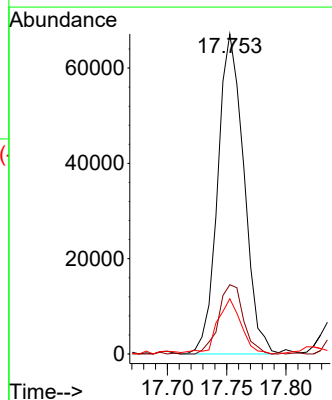
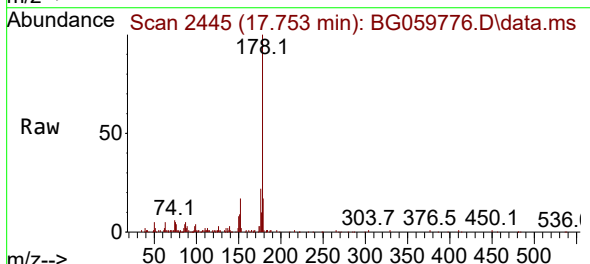
Manual Integrations
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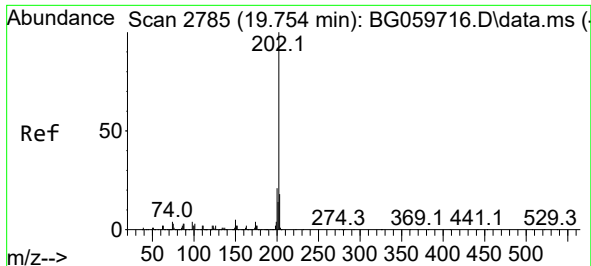
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 9.930 ng m
RT: 17.753 min Scan# 2445
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

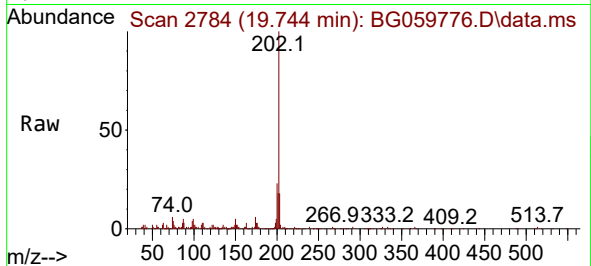
Tgt Ion:178 Resp: 102927
Ion Ratio Lower Upper
178 100
176 21.6 14.5 21.7
179 17.3 11.2 16.8#





#75
Fluoranthene
Concen: 12.059 ng
RT: 19.744 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

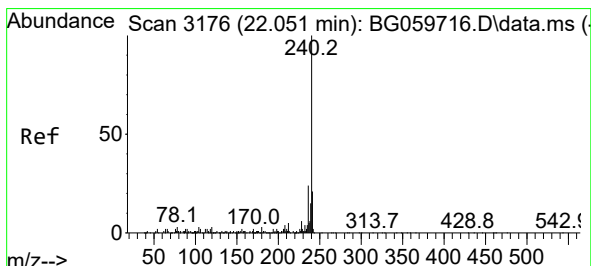
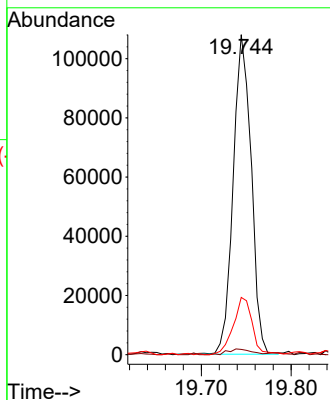
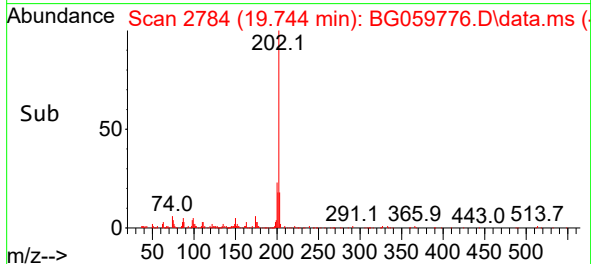
Instrument :
BNA_G
ClientSampleId :
VNJ-205



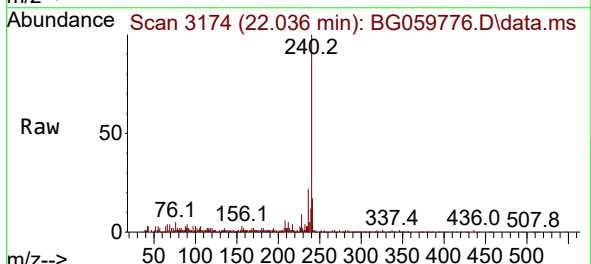
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Ion Ratio Lower Upper
202 100
101 1.6 0.0 22.7
203 17.9 0.0 38.2

Manual Integrations
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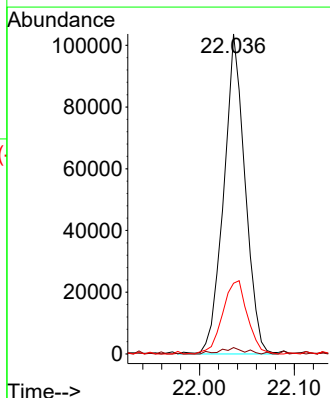
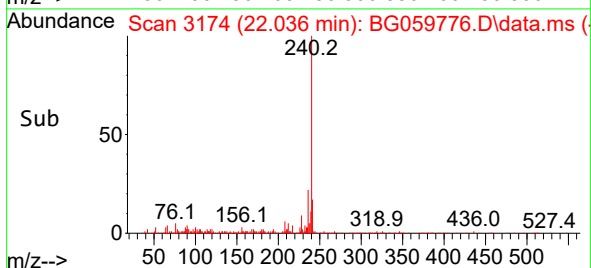
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

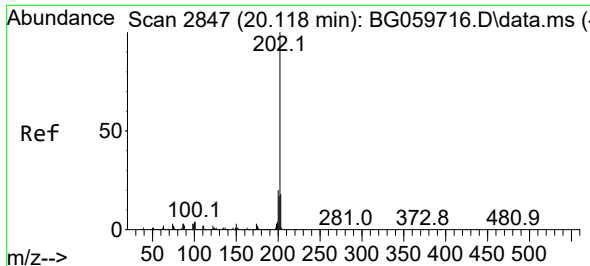


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.036 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48



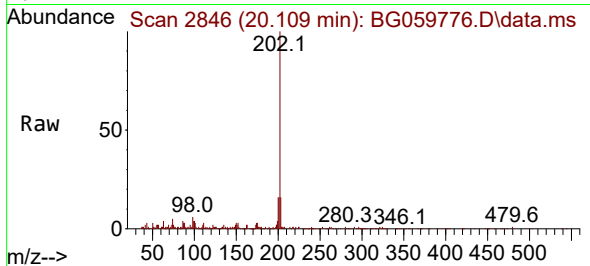
Tgt Ion:240 Resp: 162218
Ion Ratio Lower Upper
240 100
120 2.0 2.2 3.2#
236 22.1 19.4 29.2





#78
Pyrene
Concen: 10.442 ng m
RT: 20.109 min Scan# 2846
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

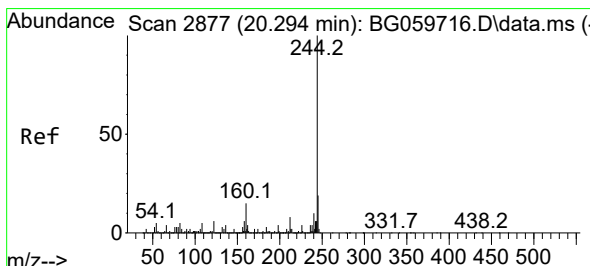
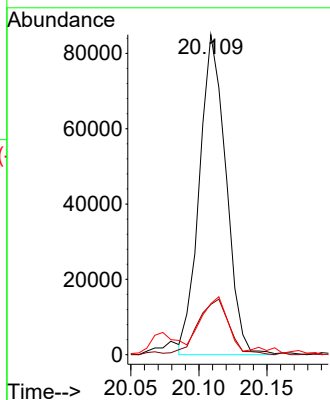
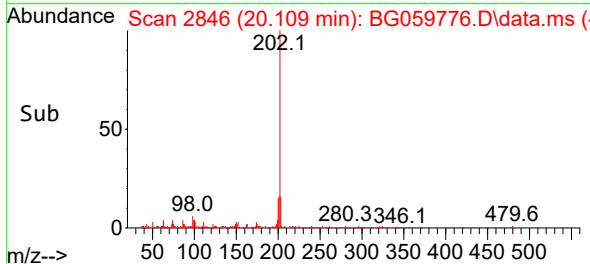
Instrument :
BNA_G
ClientSampleId :
VNJ-205



Tgt Ion:202 Resp: 115254
Ion Ratio Lower Upper
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203 16.0 14.0 21.0

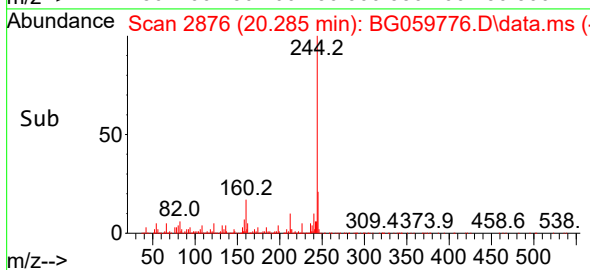
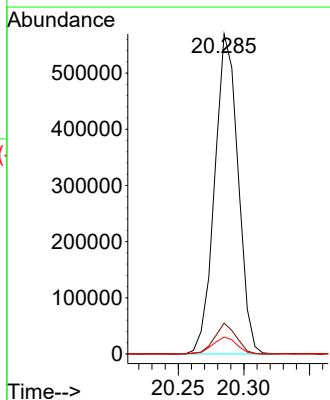
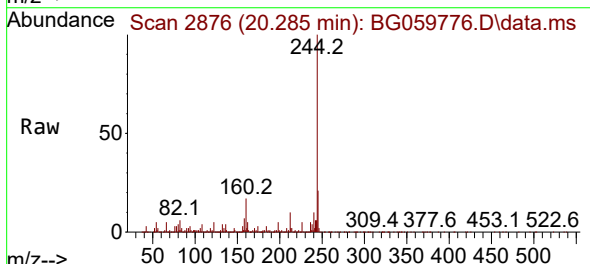
Manual Integrations
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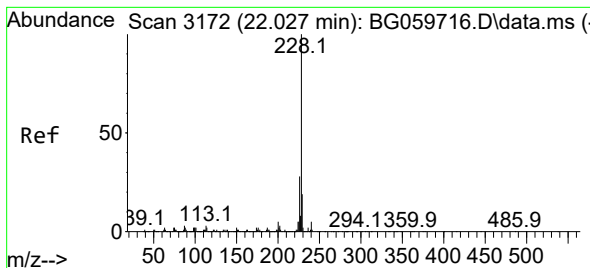
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#79
Terphenyl-d14
Concen: 64.298 ng
RT: 20.285 min Scan# 2876
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion:244 Resp: 706536
Ion Ratio Lower Upper
244 100
212 9.7 6.6 10.0
122 5.3 4.4 6.6





#81

Benzo(a)anthracene

Concen: 5.536 ng

RT: 22.012 min Scan# 3170

Delta R.T. -0.015 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Instrument :

BNA_G

ClientSampleId :

VNJ-205

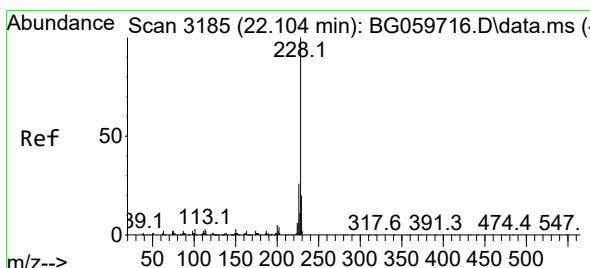
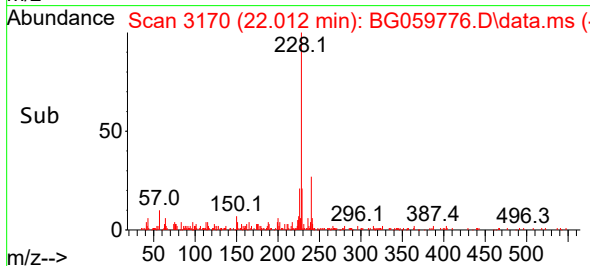
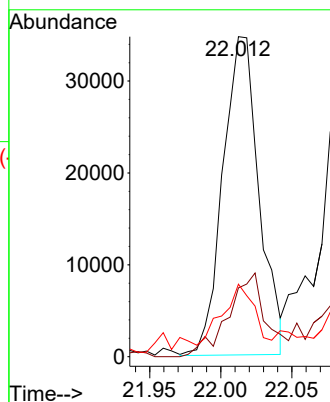
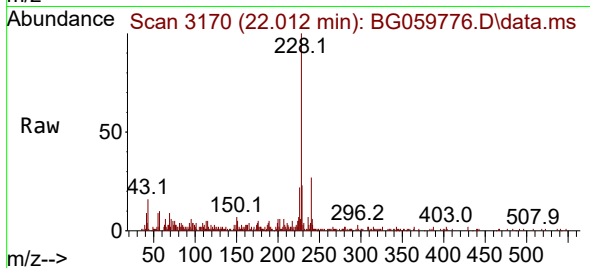
Tgt Ion:	228	Resp:	6144
Ion Ratio	Lower	Upper	
228	100		
226	21.5	22.1	33.1
229	22.6	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#83

Chrysene

Concen: 5.954 ng m

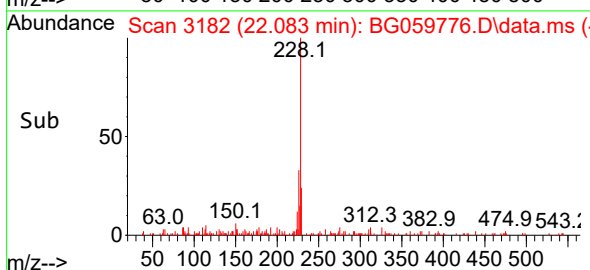
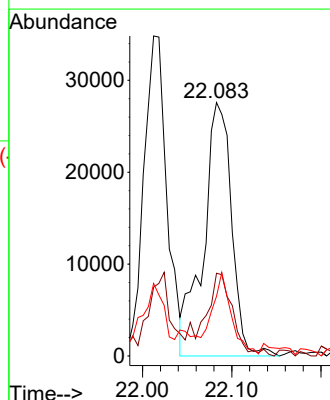
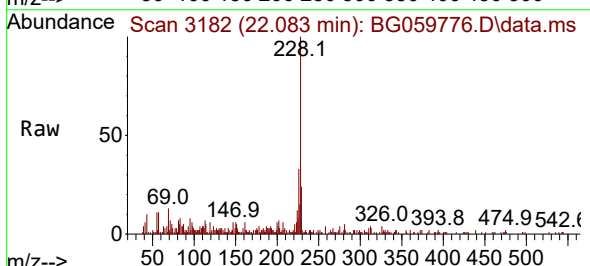
RT: 22.083 min Scan# 3182

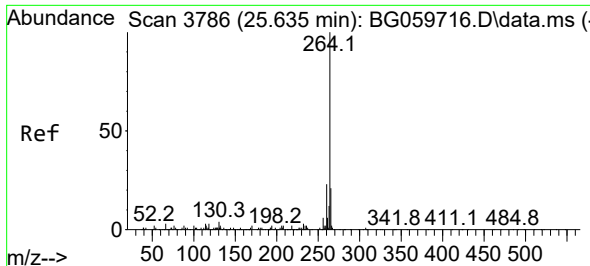
Delta R.T. -0.021 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Tgt Ion:	228	Resp:	60585
Ion Ratio	Lower	Upper	
228	100		
226	32.6	21.1	31.7
229	23.5	16.2	24.4





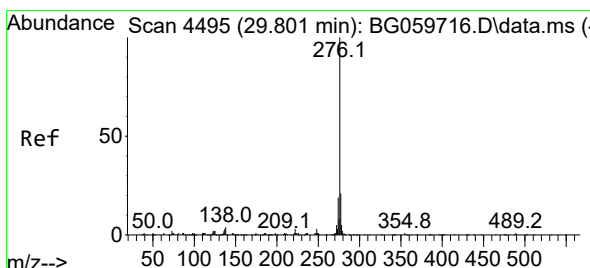
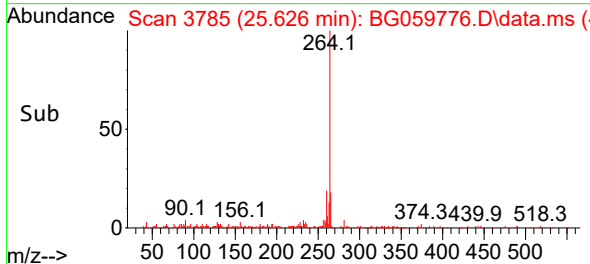
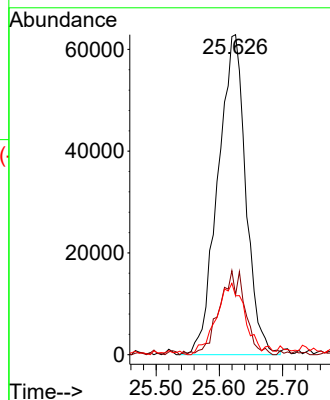
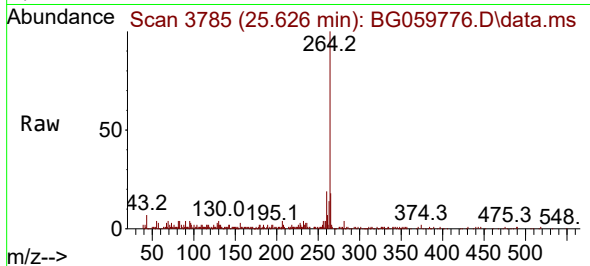
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.626 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Instrument :
BNA_G
ClientSampleId :
VNJ-205

Tgt Ion:264 Resp: 19259
Ion Ratio Lower Upper
264 100
260 18.7 18.5 27.7
265 18.4 17.0 25.6

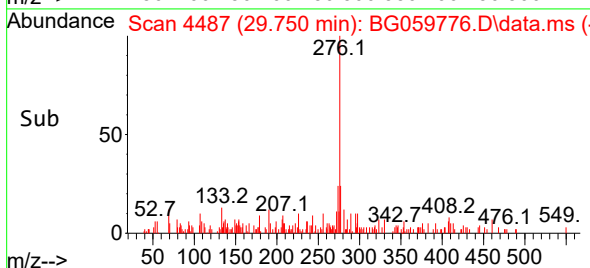
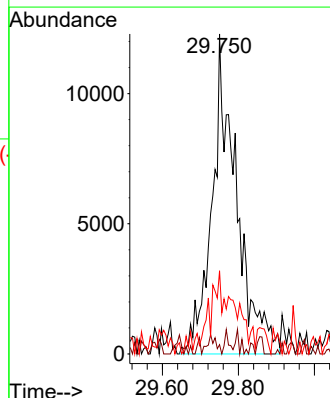
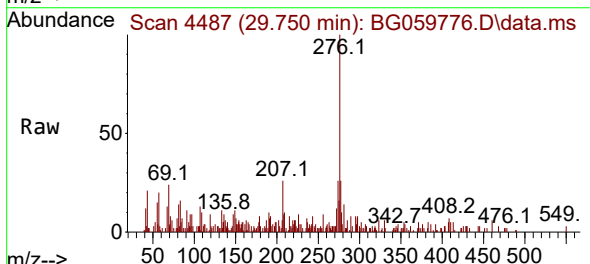
Manual Integrations
APPROVED

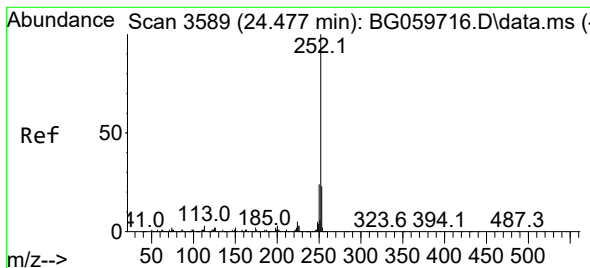
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.750 ng m
RT: 29.750 min Scan# 4487
Delta R.T. -0.050 min
Lab File: BG059776.D
Acq: 20 Nov 2023 19:48

Tgt Ion:276 Resp: 54645
Ion Ratio Lower Upper
276 100
138 1.3 1.8 2.6#
277 0.0 9.8 14.6#





#88

Benzo(b)fluoranthene

Concen: 8.379 ng

RT: 24.457 min Scan# 3589

Delta R.T. -0.021 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Instrument :

BNA_G

ClientSampleId :

VNJ-205

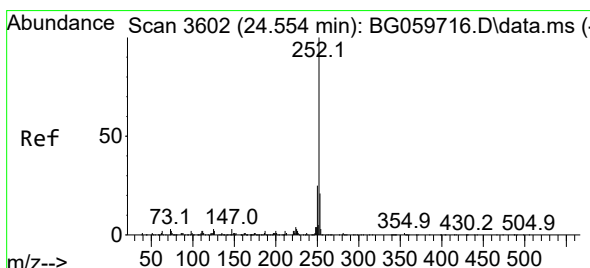
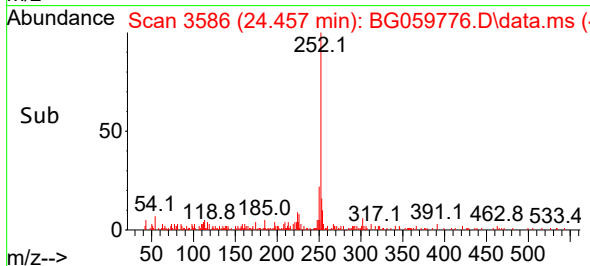
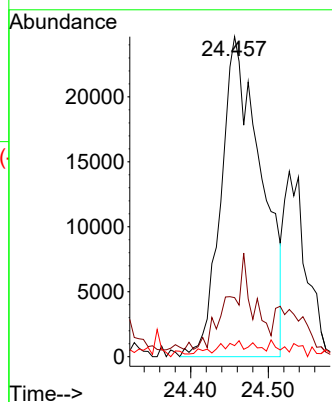
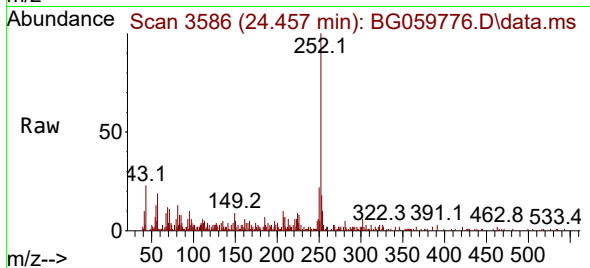
Tgt Ion:252	Resp:	8844
Ion Ratio	Lower	Upper
252	100	
253	18.5	18.3 27.5
125	3.5	1.4 2.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#89

Benzo(k)fluoranthene

Concen: 2.655 ng

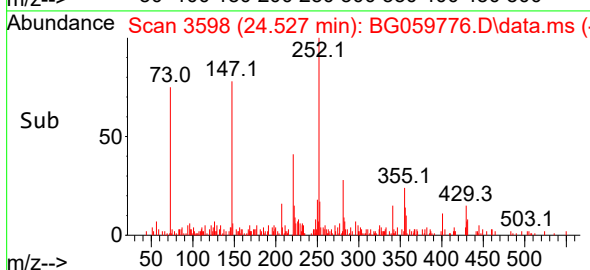
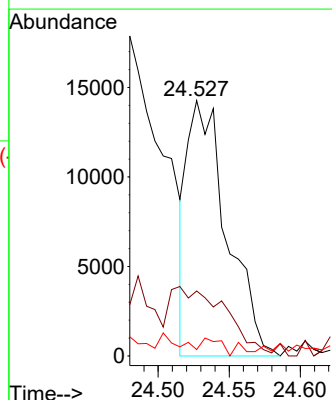
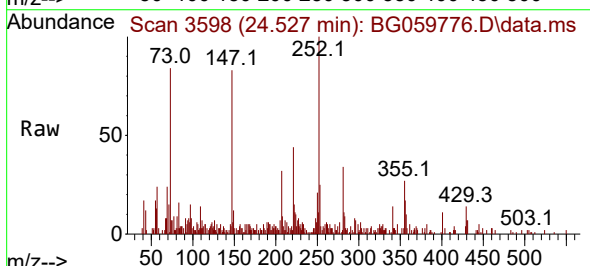
RT: 24.527 min Scan# 3598

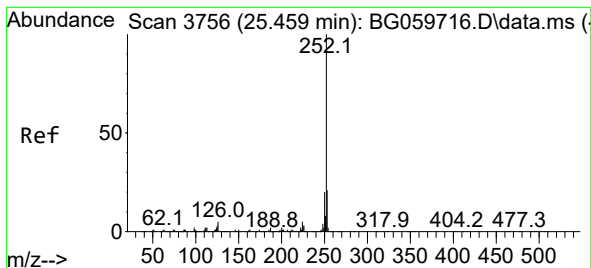
Delta R.T. -0.027 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Tgt Ion:252	Resp:	27705
Ion Ratio	Lower	Upper
252	100	
253	25.5	17.1 25.7
125	2.5	2.2 3.2





#90

Benzo(a)pyrene

Concen: 5.242 ng

RT: 25.450 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Instrument :

BNL_G

ClientSampleId :

VNJ-205

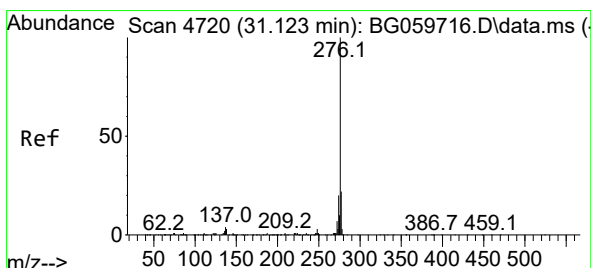
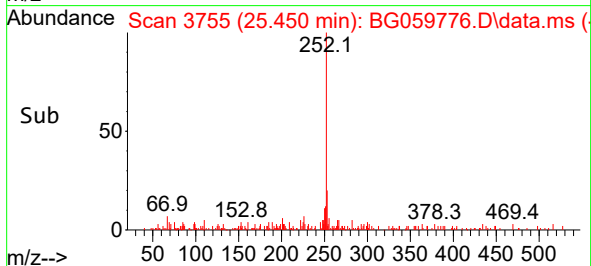
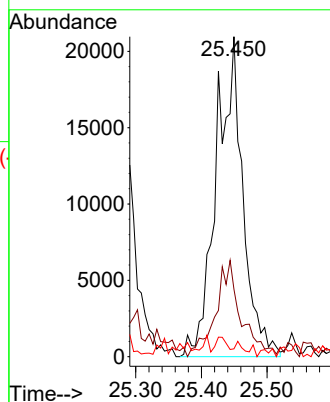
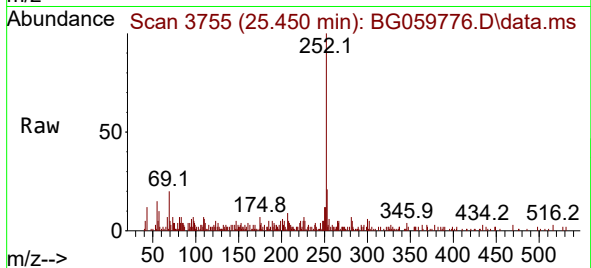
Tgt Ion:	252	Resp:	59060
Ion Ratio	Lower	Upper	
252	100		
253	22.6	16.8	25.2
125	2.4	2.0	3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#92

Benzo(g,h,i)perylene

Concen: 3.760 ng m

RT: 31.108 min Scan# 4718

Delta R.T. -0.015 min

Lab File: BG059776.D

Acq: 20 Nov 2023 19:48

Tgt Ion:	276	Resp:	43990
Ion Ratio	Lower	Upper	
276	100		
277	16.8	17.3	25.9#
138	4.7	2.6	4.0#

