

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059733.D
 Acq On : 17 Nov 2023 15:47
 Operator : MA/JU
 Sample : 05377-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 360

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 17 17:03:04 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	8.341	152	38403	20.000	ng	# 0.00
21) Naphthalene-d8	11.191	136	142882	20.000	ng	# 0.00
39) Acenaphthene-d10	14.969	164	92781	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	180154	20.000	ng	# 0.00
76) Chrysene-d12	22.049	240	146305	20.000	ng	# 0.00
86) Perylene-d12	25.627	264	170771	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.838	112	165712	72.629	ng	0.00
7) Phenol-d6	7.460	99	227528	67.293	ng	0.00
23) Nitrobenzene-d5	9.540	82	210913	56.377	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	76029	72.222	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	362443	52.582	ng	0.00
79) Terphenyl-d14	20.292	244	450085	45.414	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.760	178	66792	7.292	ng	# 94
75) Fluoranthene	19.751	202	236388	21.520	ng	95
78) Pyrene	20.116	202	197510	19.841	ng	98
81) Benzo(a)anthracene	22.025	228	103598	10.349	ng	95
83) Chrysene	22.102	228	124229	13.538	ng	97
87) Indeno(1,2,3-cd)pyrene	29.781	276	149160	11.543	ng	# 98
88) Benzo(b)fluoranthene	24.464	252	186187m	19.892	ng	
89) Benzo(k)fluoranthene	24.540	252	68896m	7.445	ng	
90) Benzo(a)pyrene	25.451	252	110912	11.103	ng	99
92) Benzo(g,h,i)perylene	31.120	276	134945m	13.009	ng	

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

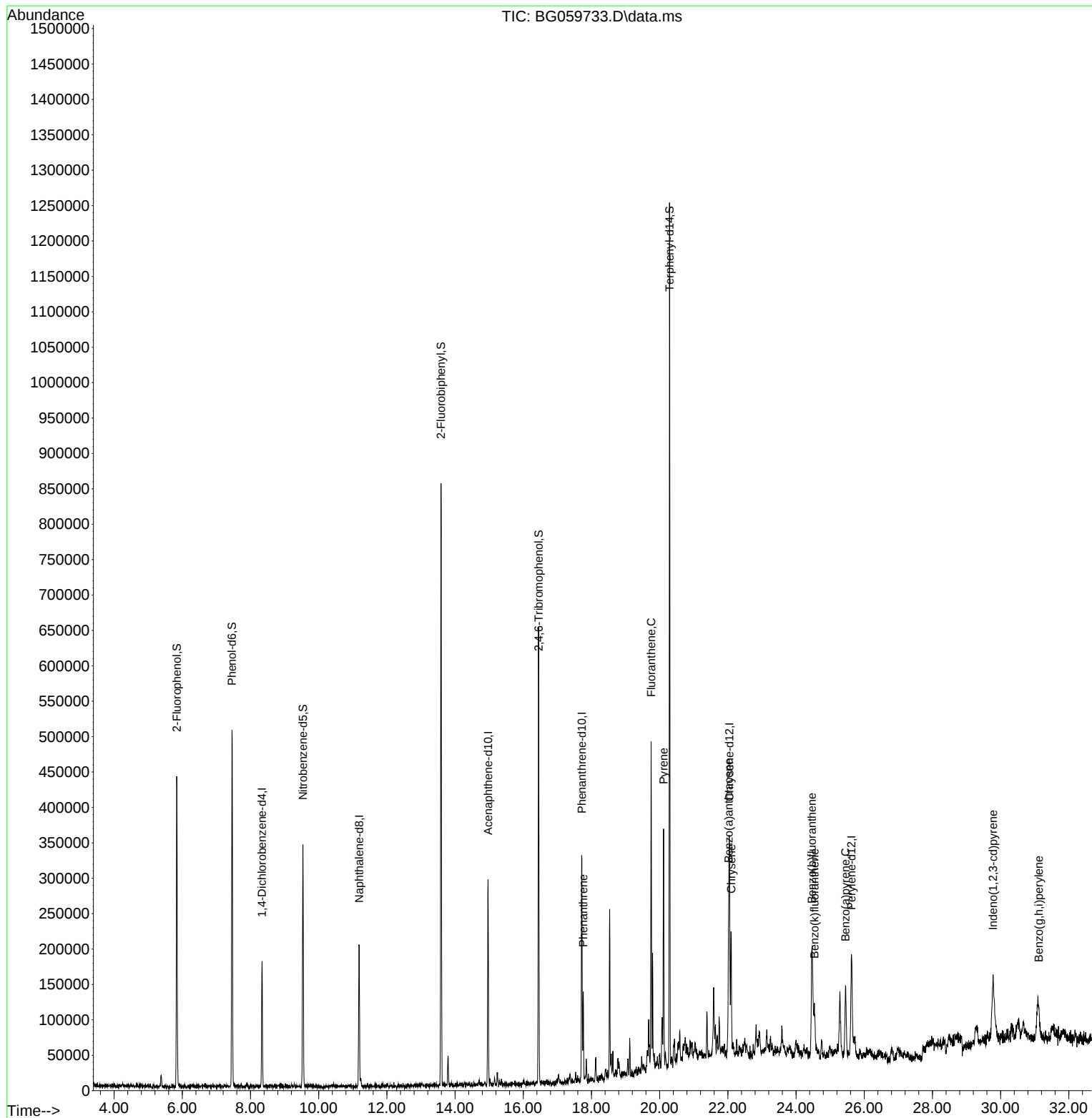
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
Data File : BG059733.D
Acq On : 17 Nov 2023 15:47
Operator : MA/JU
Sample : 05377-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

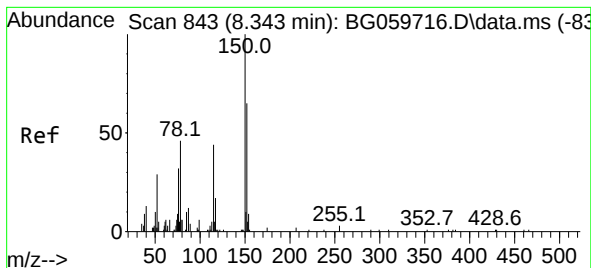
Instrument :
BNA_G
ClientSampleId :
360

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

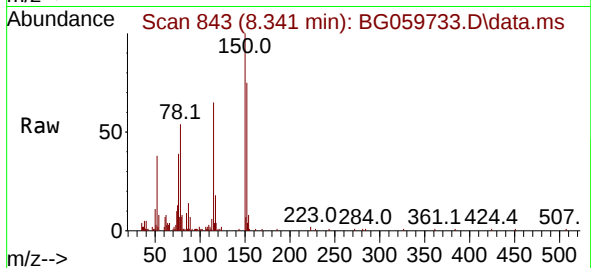
Quant Time: Nov 17 17:03:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 843
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

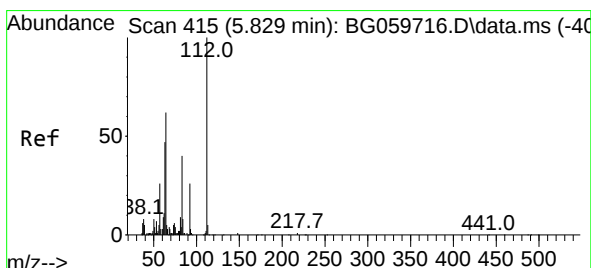
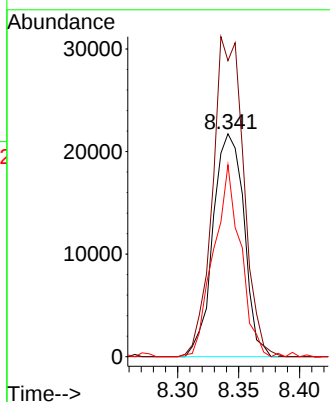
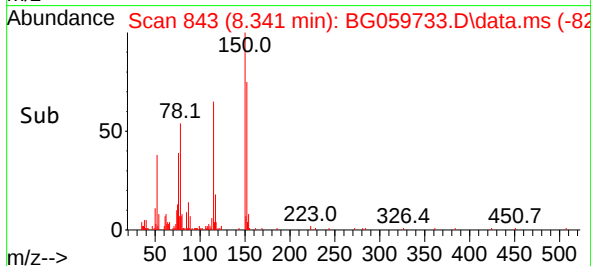
Instrument :
BNA_G
ClientSampleId :
360



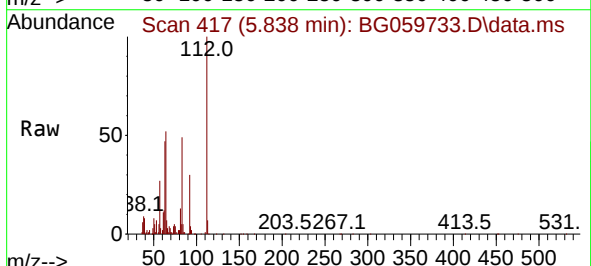
Tgt Ion:152 Resp: 3840
Ion Ratio Lower Upper
152 100
150 132.8 122.2 183.4
115 86.1 54.2 81.4

Manual Integrations
APPROVED

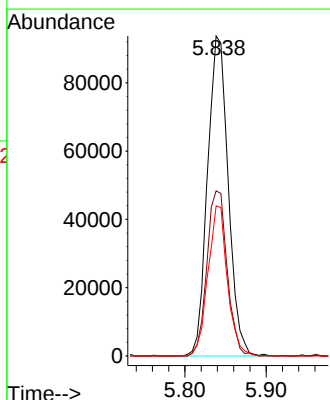
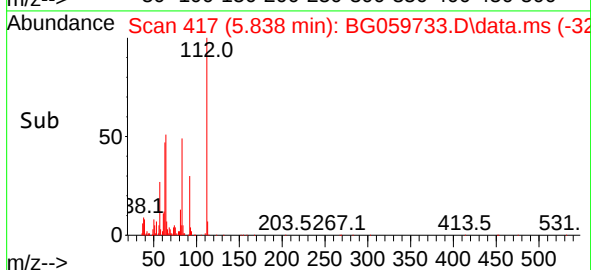
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

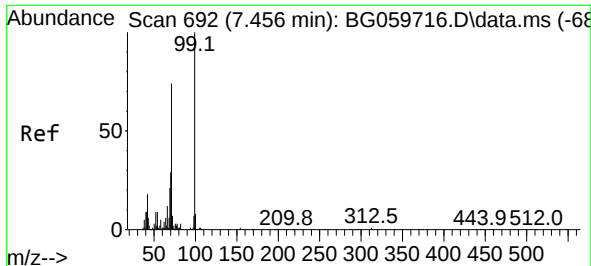


#5
2-Fluorophenol
Concen: 72.629 ng
RT: 5.838 min Scan# 417
Delta R.T. 0.010 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47



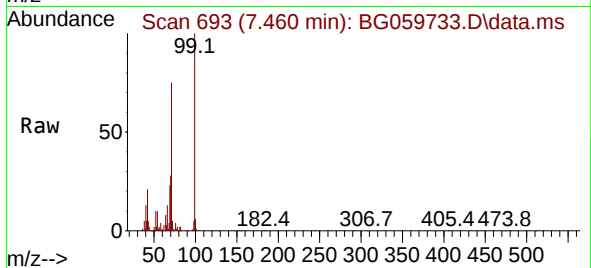
Tgt Ion:112 Resp: 165712
Ion Ratio Lower Upper
112 100
64 51.6 49.5 74.3
63 46.9 37.4 56.2





#7
Phenol-d6
Concen: 67.293 ng
RT: 7.460 min Scan# 692
Delta R.T. 0.004 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

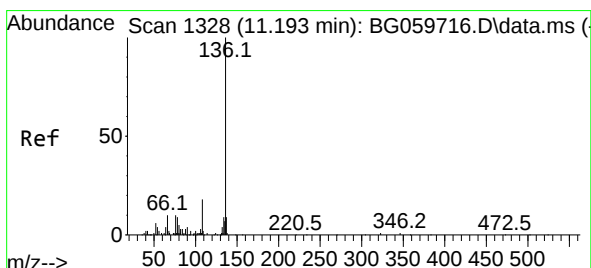
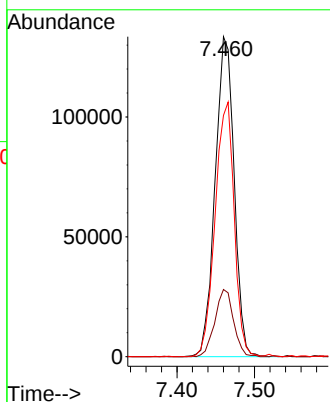
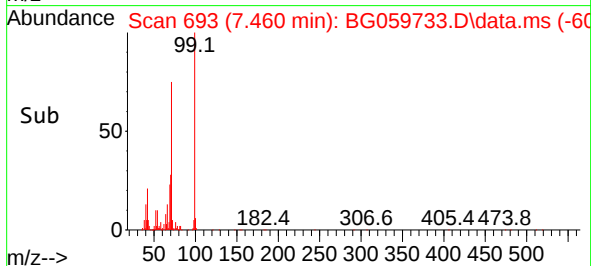
Instrument :
BNA_G
ClientSampleId :
360



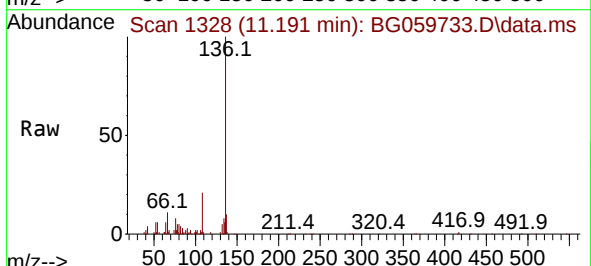
Tgt Ion: 99 Resp: 227528
Ion Ratio Lower Upper
99 100
42 21.0 14.3 21.5
71 75.4 59.3 88.9

Manual Integrations
APPROVED

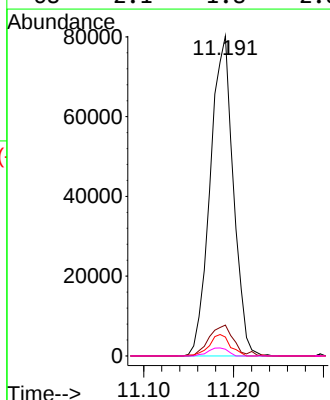
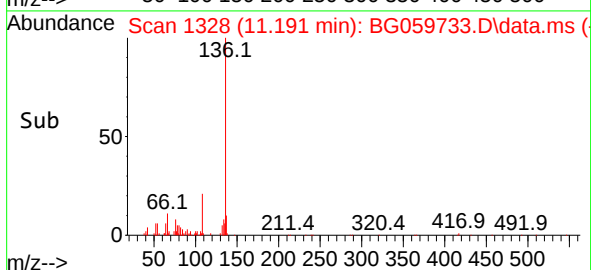
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

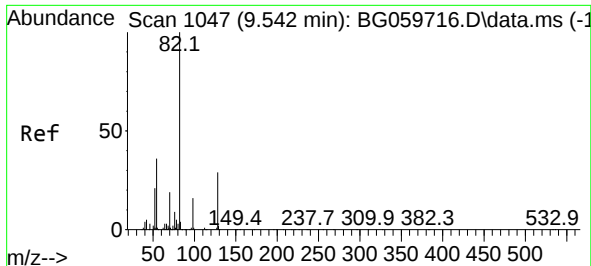


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.191 min Scan# 1328
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47



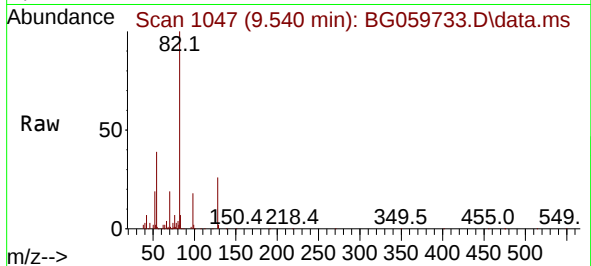
Tgt Ion:136 Resp: 142882
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.0
54 5.9 3.1 4.7#
68 2.1 1.8 2.8





#23
Nitrobenzene-d5
Concen: 56.377 ng
RT: 9.540 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

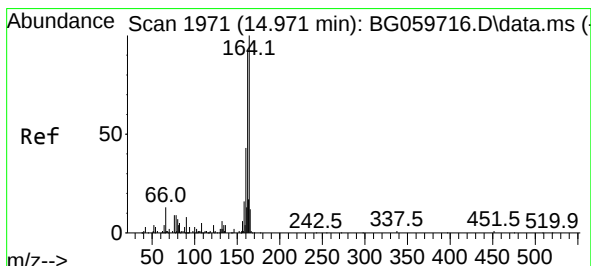
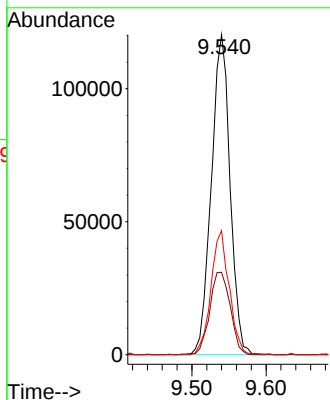
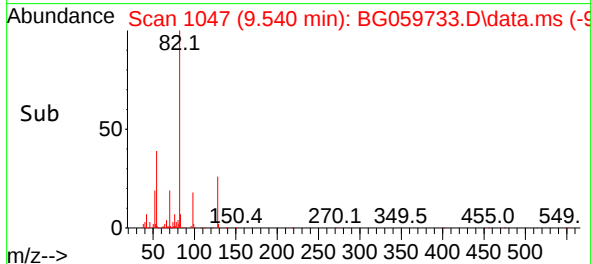
Instrument :
BNA_G
ClientSampleId :
360



Tgt Ion: 82 Resp: 210911
Ion Ratio Lower Upper
82 100
128 25.8 23.0 34.6
54 38.8 28.7 43.1

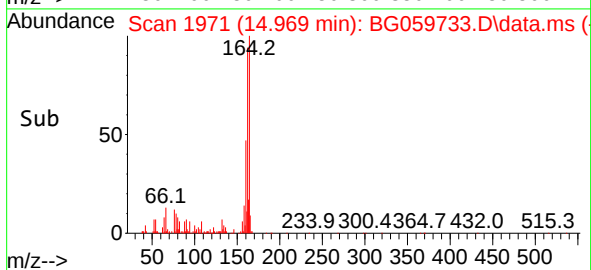
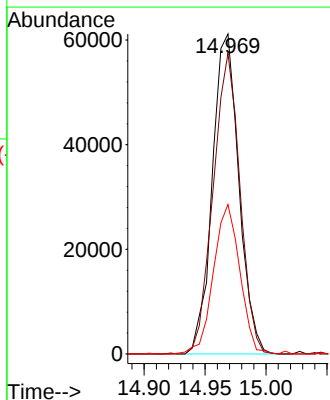
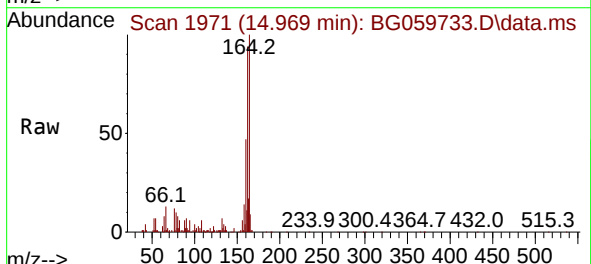
Manual Integrations
APPROVED

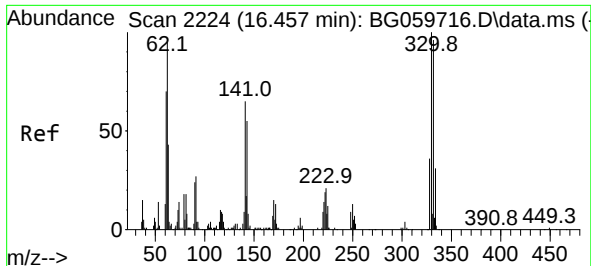
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

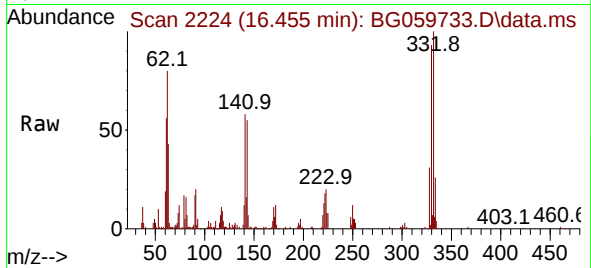
Tgt Ion:164 Resp: 92781
Ion Ratio Lower Upper
164 100
162 94.0 73.3 109.9
160 46.7 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 72.222 ng
RT: 16.455 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

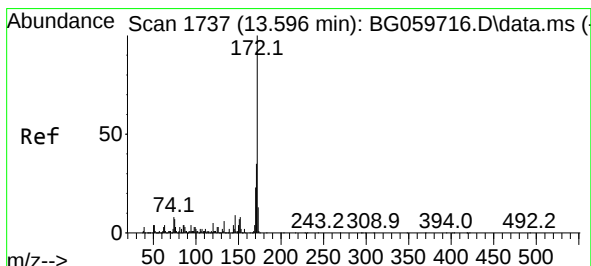
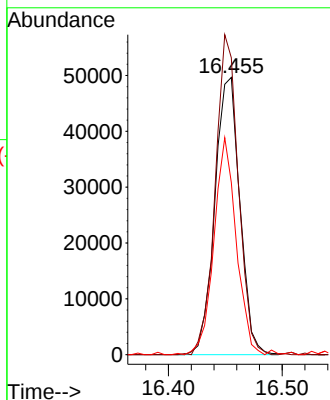
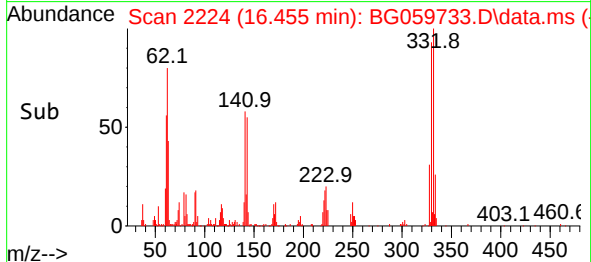
Instrument :
BNA_G
ClientSampleId :
360



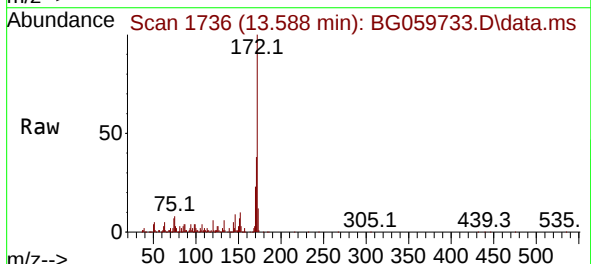
Tgt Ion:330 Resp: 76029
Ion Ratio Lower Upper
330 100
332 106.3 73.3 109.9
141 69.5 52.1 78.1

Manual Integrations
APPROVED

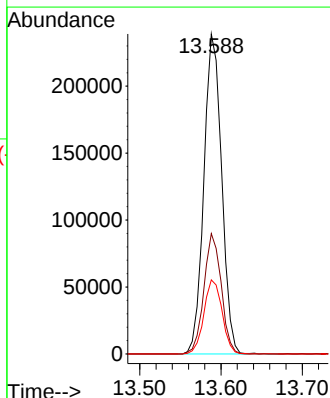
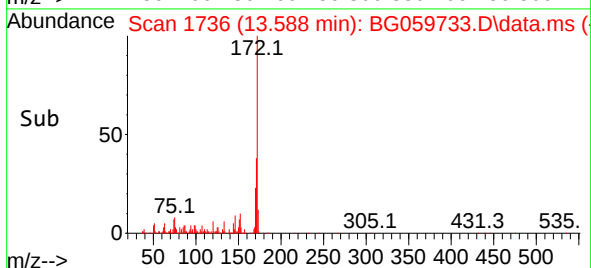
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

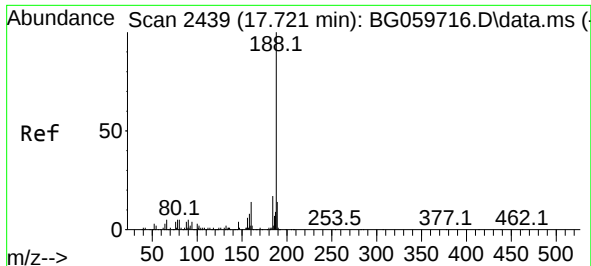


#45
2-Fluorobiphenyl
Concen: 52.582 ng
RT: 13.588 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47



Tgt Ion:172 Resp: 362443
Ion Ratio Lower Upper
172 100
171 37.6 27.7 41.5
170 23.1 18.4 27.6





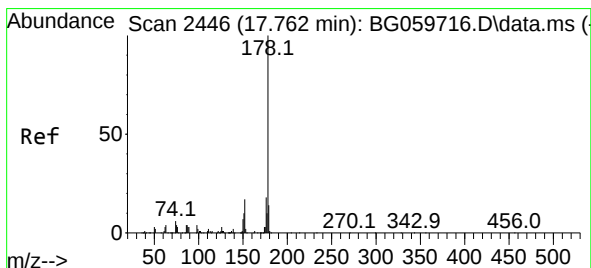
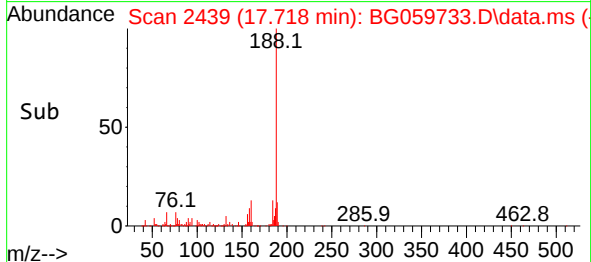
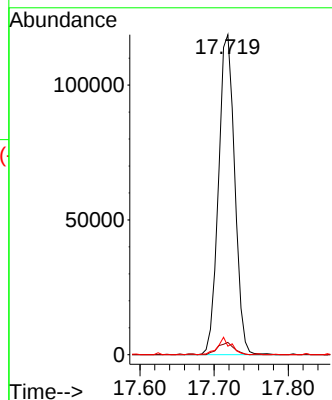
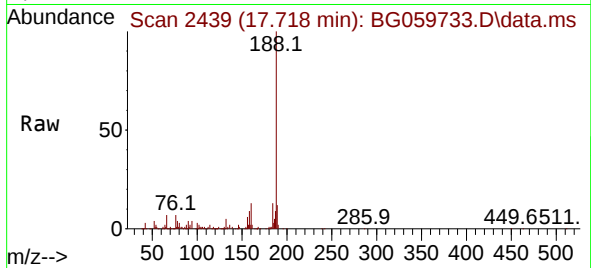
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Instrument :
BNA_G
ClientSampleId :
360

Tgt Ion:188 Resp: 180154
Ion Ratio Lower Upper
188 100
94 3.8 3.0 4.4
80 2.7 4.2 6.4

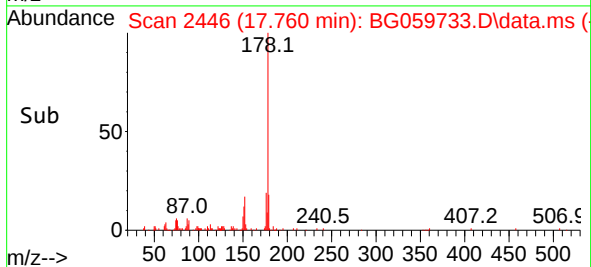
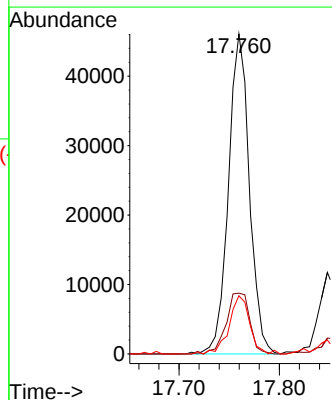
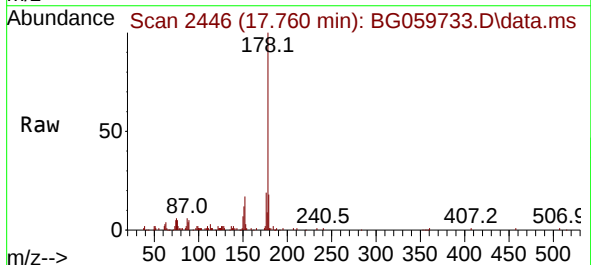
Manual Integrations
APPROVED

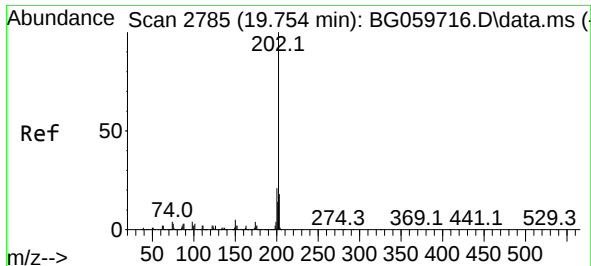
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 7.292 ng
RT: 17.760 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

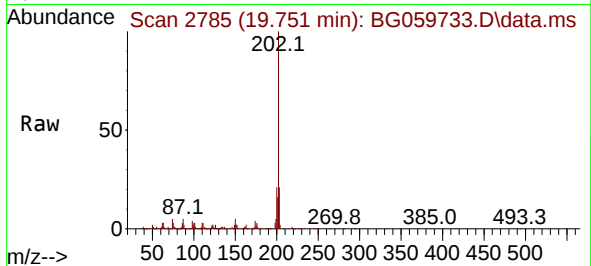
Tgt Ion:178 Resp: 66792
Ion Ratio Lower Upper
178 100
176 19.0 14.5 21.7
179 18.2 11.2 16.8





#75
Fluoranthene
Concen: 21.520 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

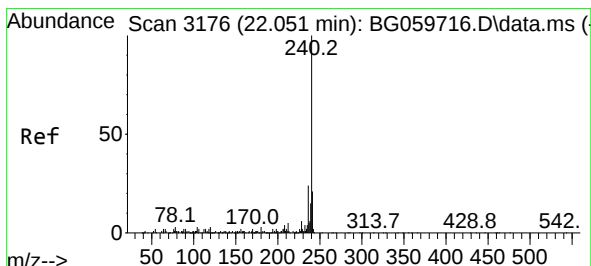
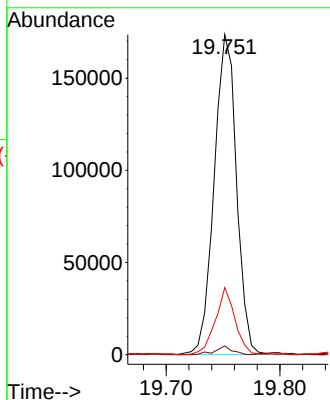
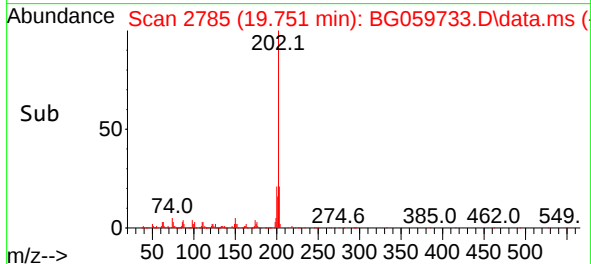
Instrument :
BNA_G
ClientSampleId :
360



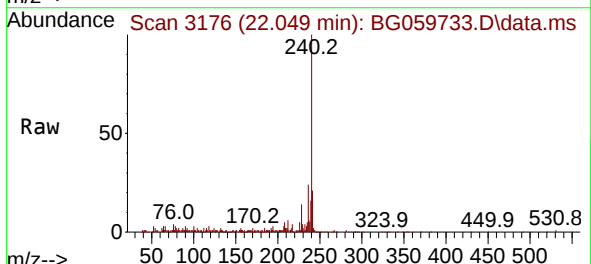
Tgt Ion:202 Resp: 236388
Ion Ratio Lower Upper
202 100
101 2.8 0.0 22.7
203 20.9 0.0 38.2

Manual Integrations
APPROVED

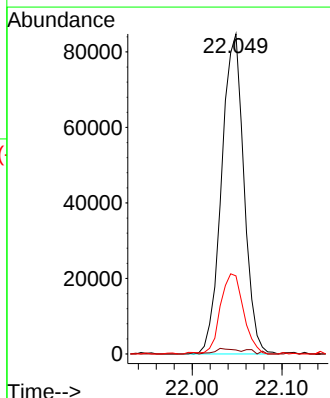
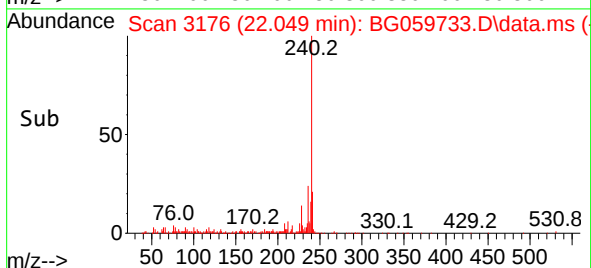
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

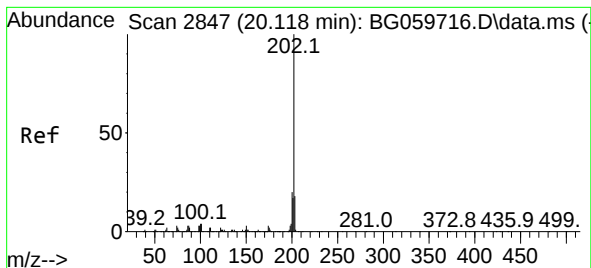


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.049 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47



Tgt Ion:240 Resp: 146305
Ion Ratio Lower Upper
240 100
120 1.2 2.2 3.2#
236 24.4 19.4 29.2





#78

Pyrene

Concen: 19.841 ng

RT: 20.116 min Scan# 2847

Delta R.T. -0.002 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

Instrument :

BNA_G

ClientSampleId :

360

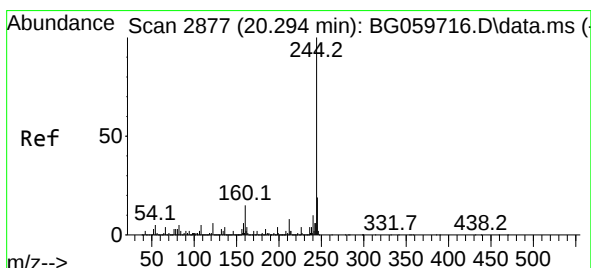
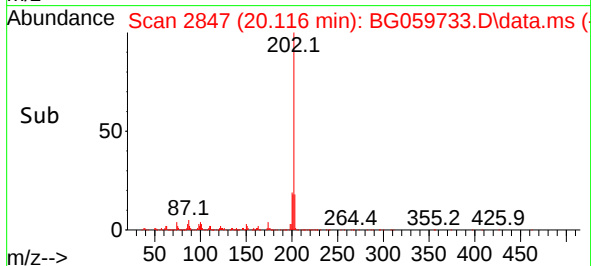
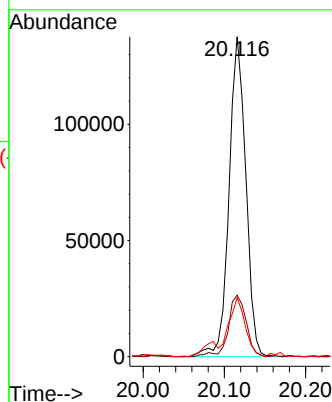
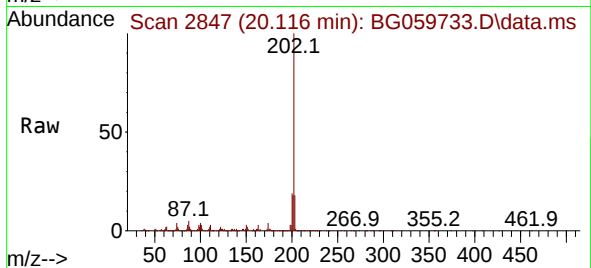
Tgt Ion:	202	Resp:	197510
Ion Ratio	Lower	Upper	
202	100		
200	19.2	16.2	24.4
203	18.4	14.0	21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2023

Supervised By :mohammad ahmed 11/21/2023



#79

Terphenyl-d14

Concen: 45.414 ng

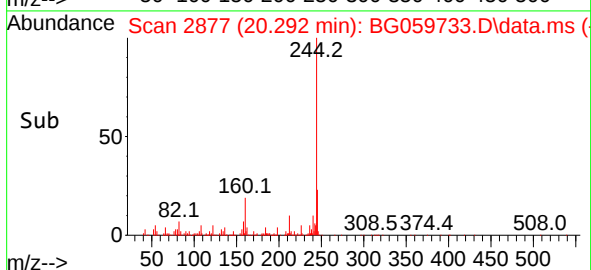
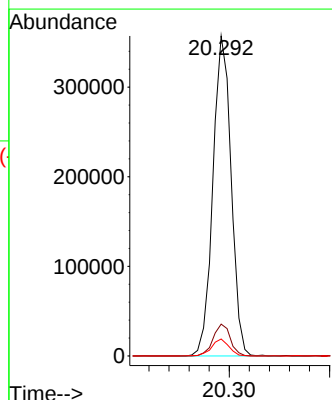
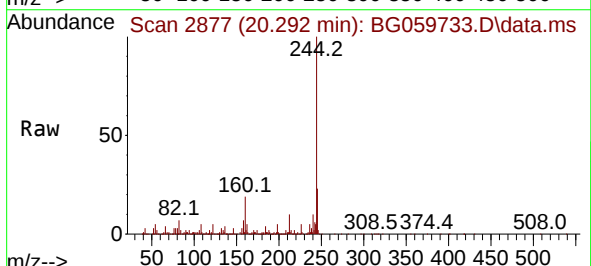
RT: 20.292 min Scan# 2877

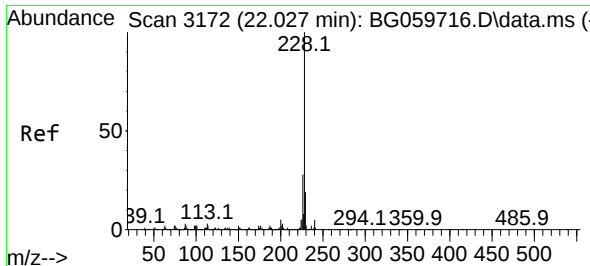
Delta R.T. -0.002 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

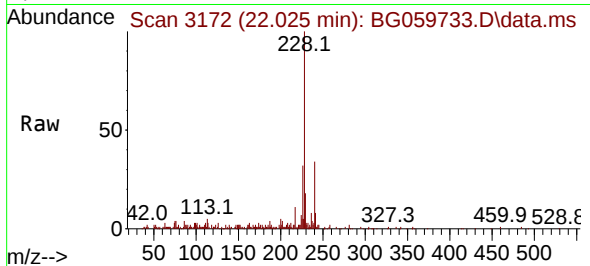
Tgt Ion:	244	Resp:	450085
Ion Ratio	Lower	Upper	
244	100		
212	9.9	6.6	10.0
122	5.3	4.4	6.6





#81
Benzo(a)anthracene
Concen: 10.349 ng
RT: 22.025 min Scan# 3172
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

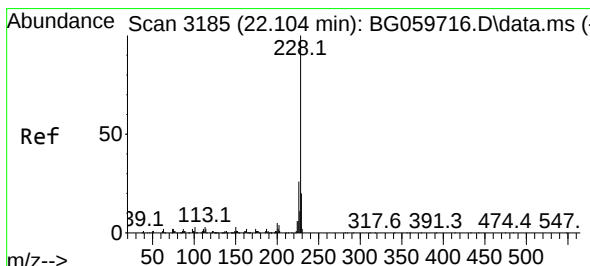
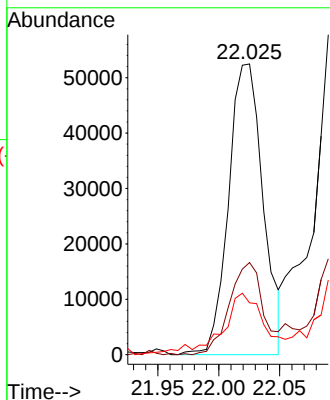
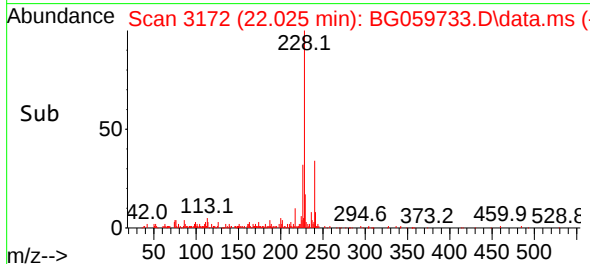
Instrument :
BNA_G
ClientSampleId :
360



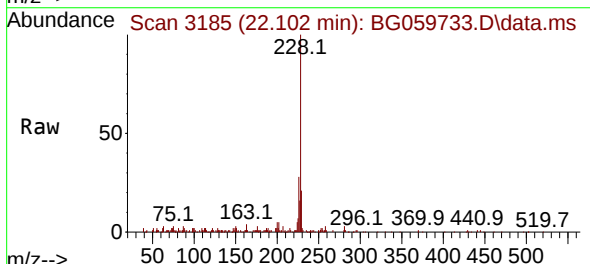
Tgt Ion:228 Resp: 103598
Ion Ratio Lower Upper
228 100
226 31.7 22.1 33.1
229 17.8 14.9 22.3

Manual Integrations
APPROVED

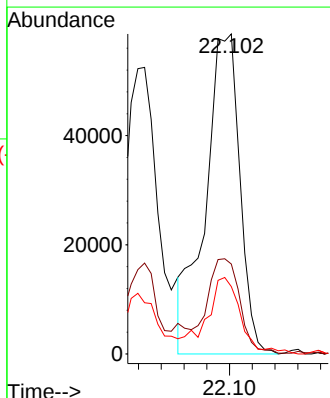
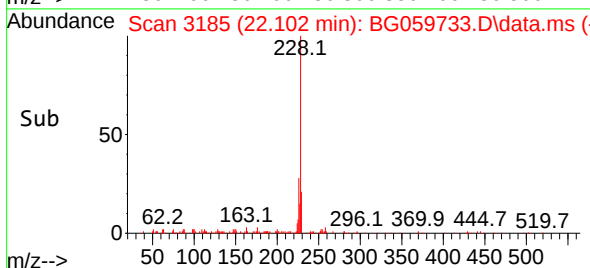
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023

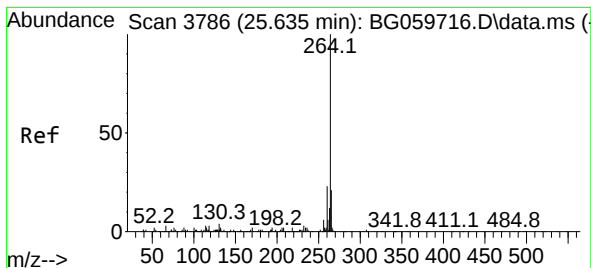


#83
Chrysene
Concen: 13.538 ng
RT: 22.102 min Scan# 3185
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47



Tgt Ion:228 Resp: 124229
Ion Ratio Lower Upper
228 100
226 28.1 21.1 31.7
229 21.1 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.627 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

Instrument :

BNA_G

ClientSampleId :

360

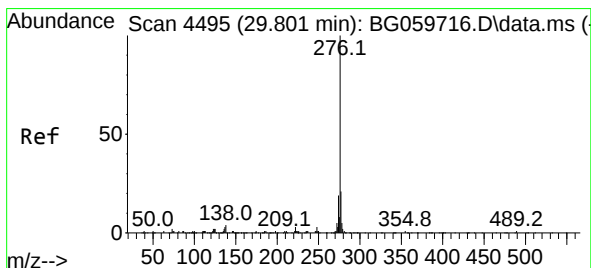
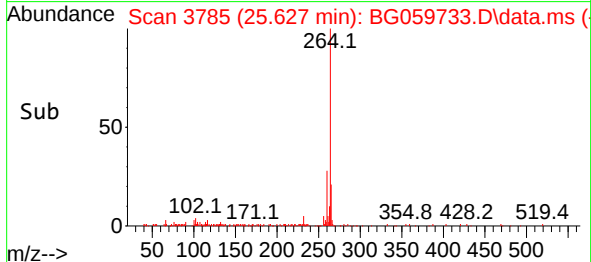
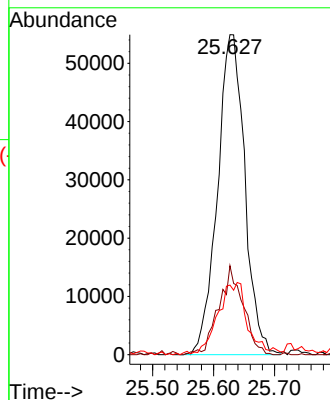
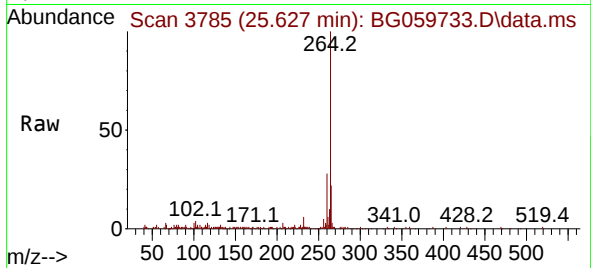
Tgt Ion:264	Resp: 17077
Ion Ratio	Lower Upper
264 100	
260 27.8	18.5 27.7
265 21.8	17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2023

Supervised By :mohammad ahmed 11/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.543 ng

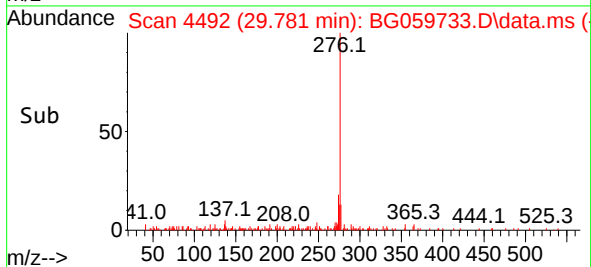
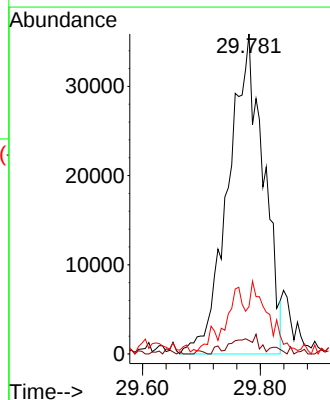
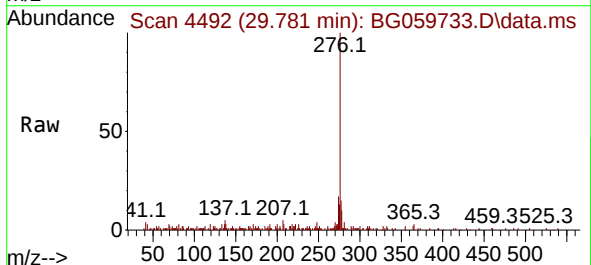
RT: 29.781 min Scan# 4492

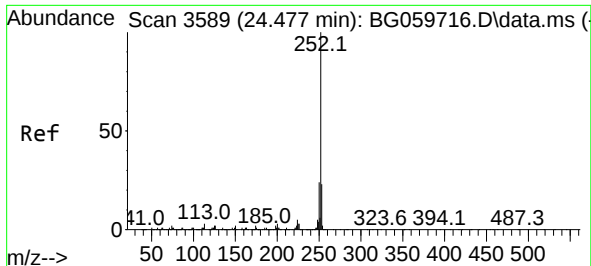
Delta R.T. -0.020 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

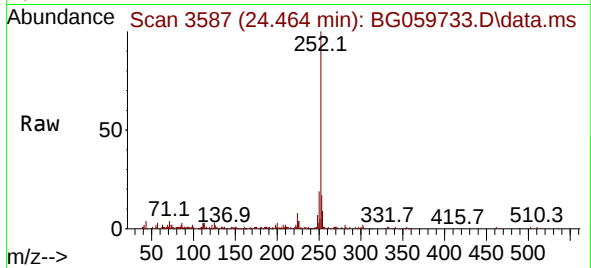
Tgt Ion:276	Resp: 149160
Ion Ratio	Lower Upper
276 100	
138 3.8	1.8 2.6
277 11.5	9.8 14.6





#88
Benzo(b)fluoranthene
Concen: 19.892 ng m
RT: 24.464 min Scan# 3589
Delta R.T. -0.014 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

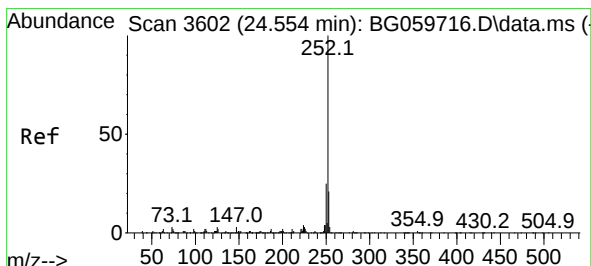
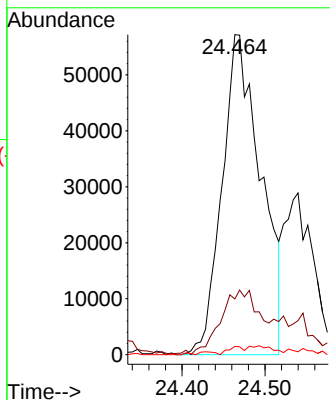
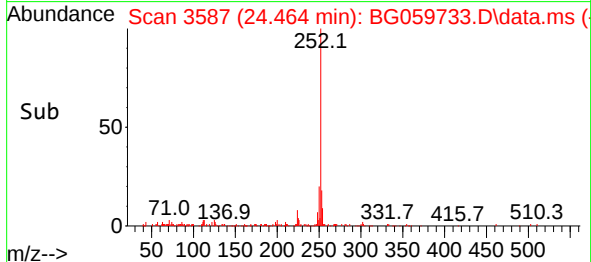
Instrument :
BNA_G
ClientSampleId :
360



Tgt Ion:252 Resp: 18618
Ion Ratio Lower Upper
252 100
253 17.4 18.3 27.5
125 2.6 1.4 2.0

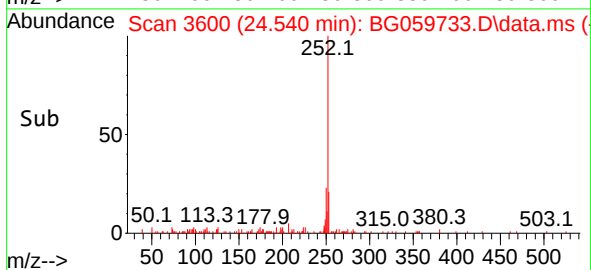
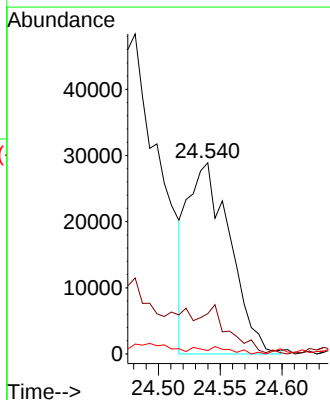
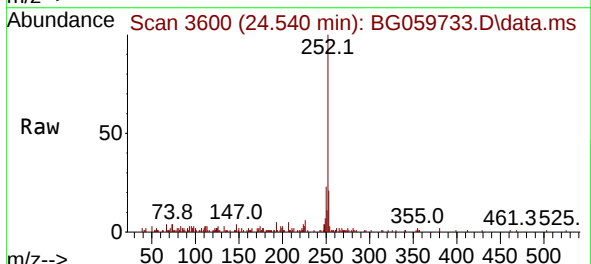
Manual Integrations
APPROVED

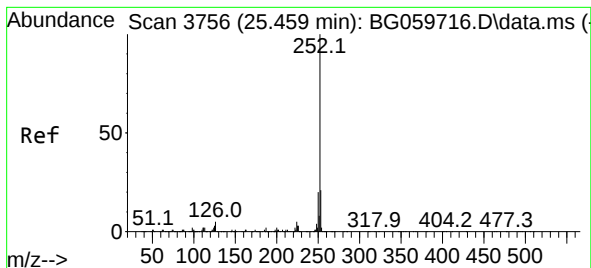
Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/21/2023



#89
Benzo(k)fluoranthene
Concen: 7.445 ng m
RT: 24.540 min Scan# 3600
Delta R.T. -0.014 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion:252 Resp: 68896
Ion Ratio Lower Upper
252 100
253 21.1 17.1 25.7
125 1.8 2.2 3.2





#90

Benzo(a)pyrene

Concen: 11.103 ng

RT: 25.451 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

Instrument :

BNA_G

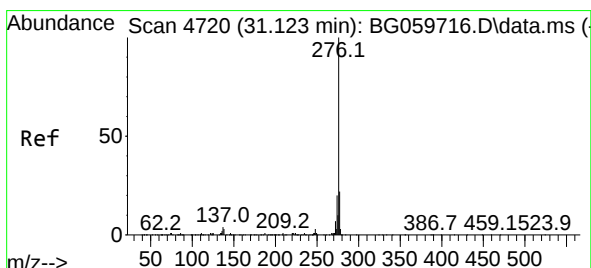
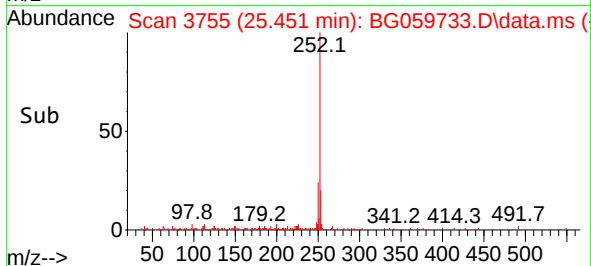
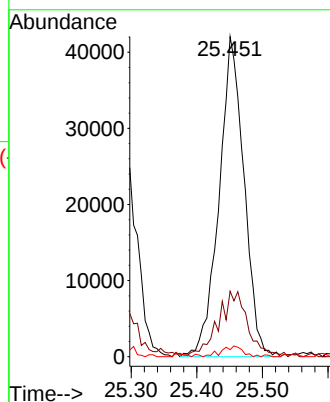
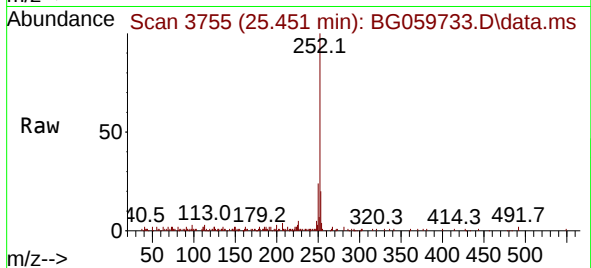
ClientSampleId :

360

Tgt Ion:252 Resp: 11091
 Ion Ratio Lower Upper
 252 100
 253 20.5 16.8 25.2
 125 2.2 2.0 3.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/21/2023



#92

Benzo(g,h,i)perylene

Concen: 13.009 ng m

RT: 31.120 min Scan# 4720

Delta R.T. -0.002 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

Tgt Ion:276 Resp: 134945
 Ion Ratio Lower Upper
 276 100
 277 20.9 17.3 25.9
 138 4.0 2.6 4.0#

