

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
 Data File : BG057931.D
 Acq On : 30 Jun 2023 23:19
 Operator : CG/JU
 Sample : 03360-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CE-91-062023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/05/2023

Quant Time: Jul 01 02:21:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.912	152	35581	20.000	ng	-0.01
21) Naphthalene-d8	10.714	136	165675	20.000	ng	-0.01
39) Acenaphthene-d10	14.545	164	133361	20.000	ng	-0.01
64) Phenanthrene-d10	17.289	188	320802	20.000	ng	-0.01
76) Chrysene-d12	21.543	240	262778	20.000	ng	-0.01
86) Perylene-d12	24.686	264	322167	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.485	112	261685	112.526	ng	0.00
7) Phenol-d6	7.077	99	388734	111.784	ng	0.00
23) Nitrobenzene-d5	9.075	82	226814	67.093	ng	-0.01
42) 2,4,6-Tribromophenol	16.037	330	204022	91.084	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	588102	67.296	ng	-0.01
79) Terphenyl-d14	19.909	244	1021259	70.852	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.336	178	217059	14.095	ng	99
72) Anthracene	17.424	178	61557	3.876	ng	99
75) Fluoranthene	19.345	202	382041	19.693	ng	100
78) Pyrene	19.710	202	339190	18.077	ng	99
81) Benzo(a)anthracene	21.525	228	175992	9.678	ng	98
83) Chrysene	21.590	228	149755	8.700	ng	98
87) Indeno(1,2,3-cd)pyrene	28.247	276	107657	5.044	ng	95
88) Benzo(b)fluoranthene	23.687	252	213869	12.171	ng	97
89) Benzo(k)fluoranthene	23.746	252	61777m	3.479	ng	
90) Benzo(a)pyrene	24.533	252	161398	9.272	ng	100
92) Benzo(g,h,i)perylene	29.369	276	106405	6.048	ng	98

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

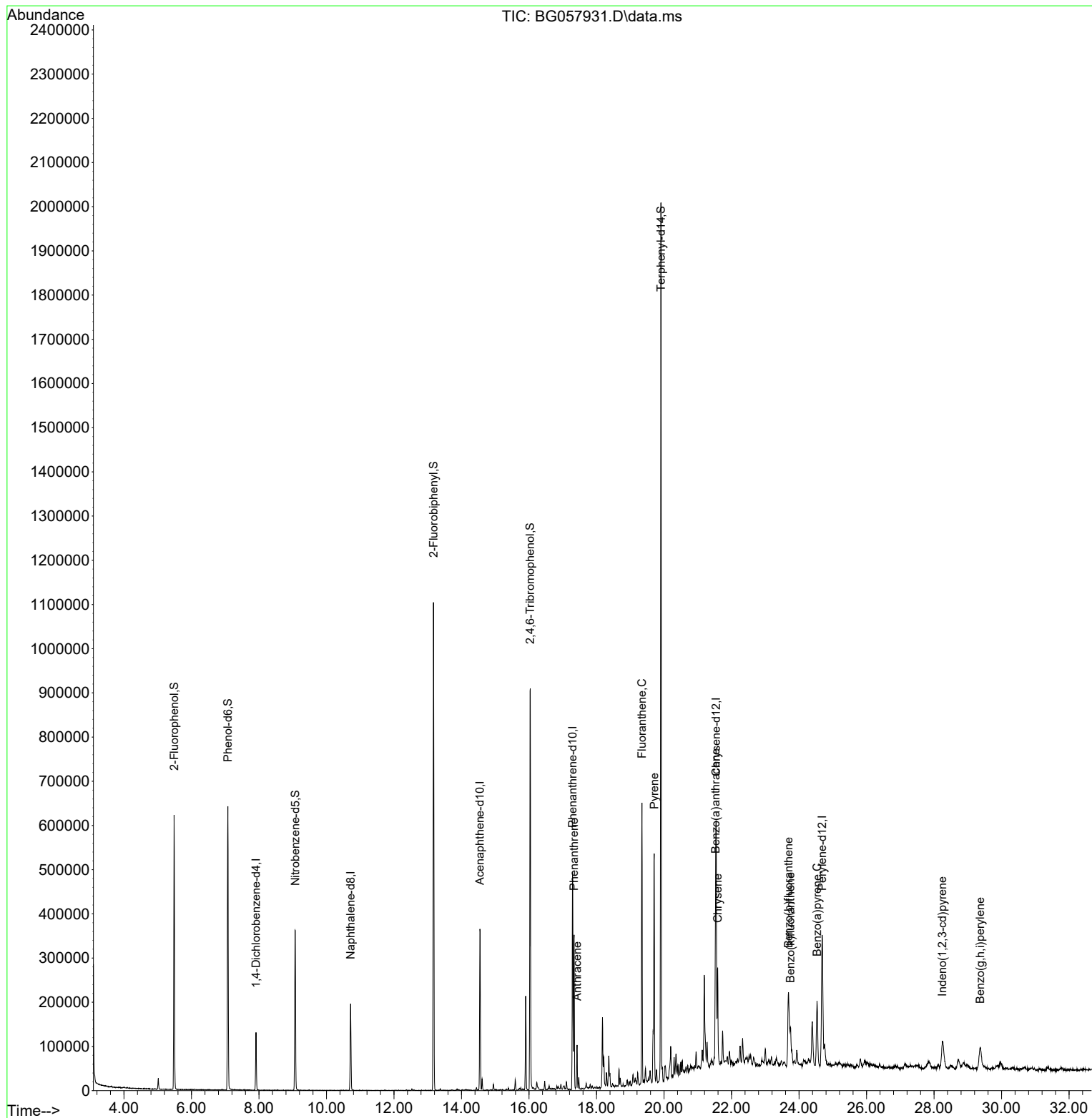
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
Data File : BG057931.D
Acq On : 30 Jun 2023 23:19
Operator : CG/JU
Sample : 03360-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

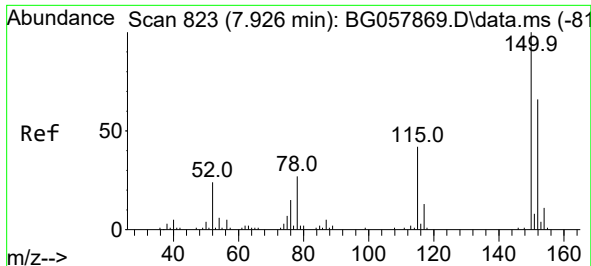
Instrument :
BNA_G
ClientSampleId :
CE-91-062023

Quant Time: Jul 01 02:21:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 01:12:33 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

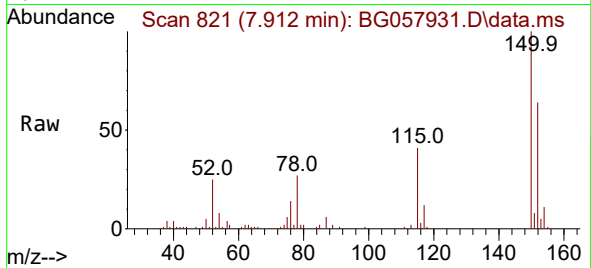
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.912 min Scan# 81
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

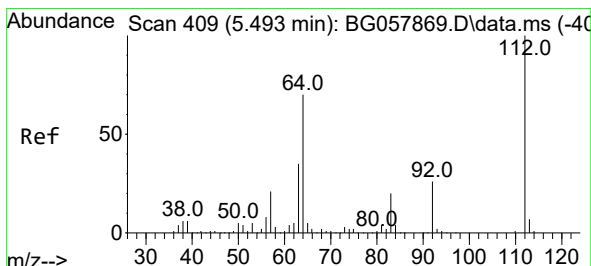
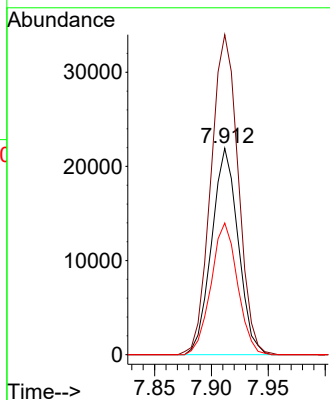
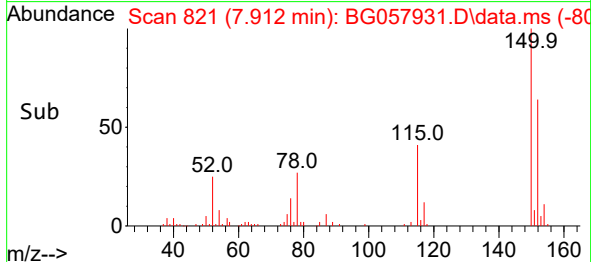
Instrument :
BNA_G
ClientSampleId :
CE-91-062023



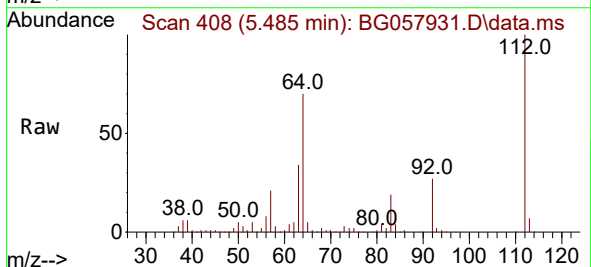
Tgt Ion:152 Resp: 3558
Ion Ratio Lower Upper
152 100
150 155.1 122.0 183.0
115 63.8 50.7 76.1

Manual Integrations
APPROVED

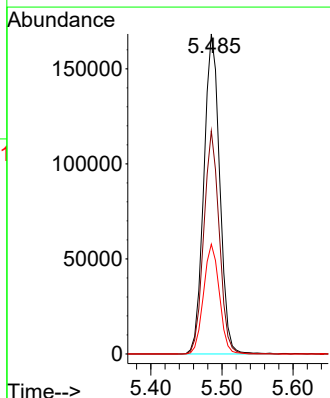
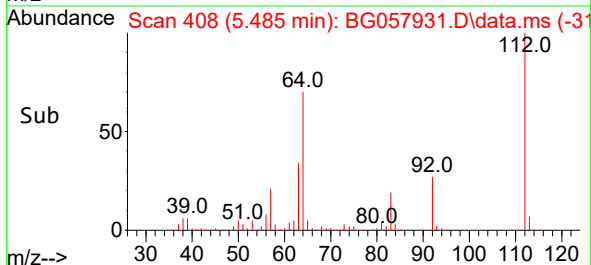
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

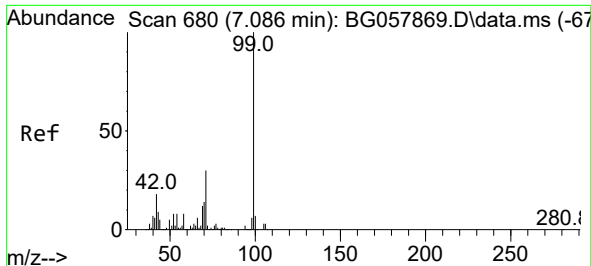


#5
2-Fluorophenol
Concen: 112.526 ng
RT: 5.485 min Scan# 408
Delta R.T. -0.008 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19



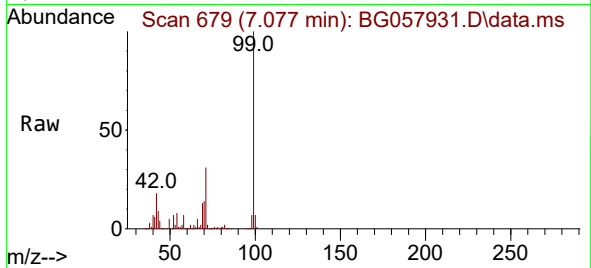
Tgt Ion:112 Resp: 261685
Ion Ratio Lower Upper
112 100
64 69.7 55.8 83.6
63 34.3 27.9 41.9





#7
Phenol-d6
Concen: 111.784 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

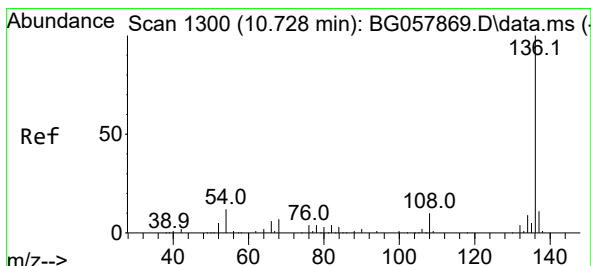
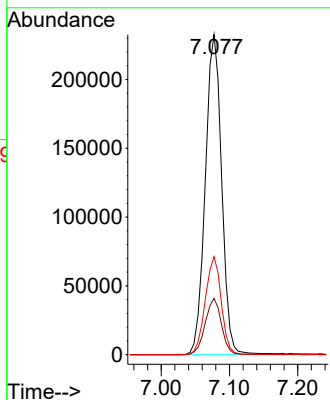
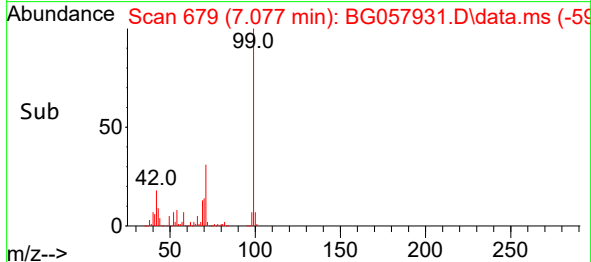
Instrument :
BNA_G
ClientSampleId :
CE-91-062023



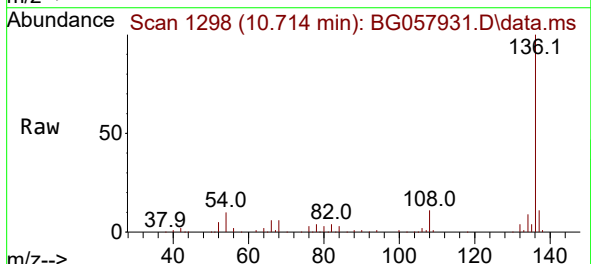
Tgt Ion: 99 Resp: 388734
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 30.6 23.9 35.9

Manual Integrations
APPROVED

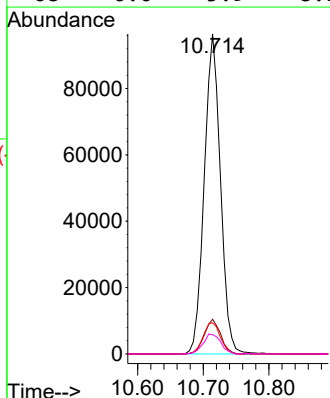
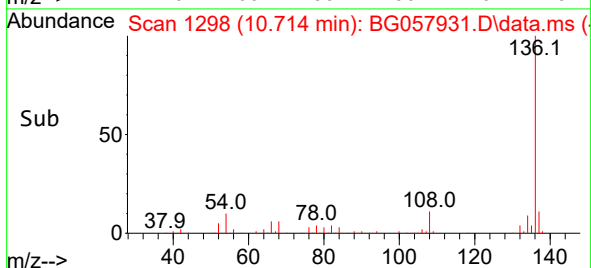
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

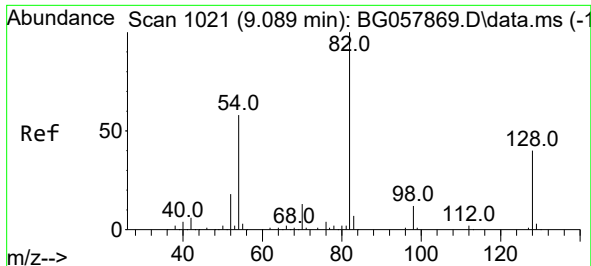


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.714 min Scan# 1298
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19



Tgt Ion:136 Resp: 165675
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.8 9.3 13.9
68 6.0 5.9 8.9





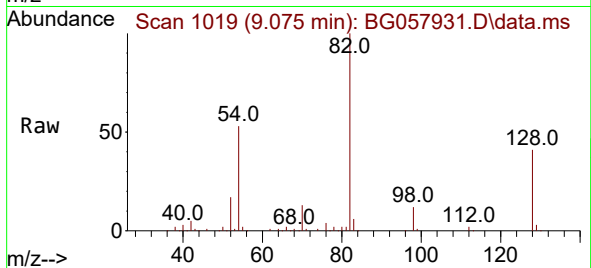
#23
Nitrobenzene-d5
Concen: 67.093 ng
RT: 9.075 min Scan# 1019
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

CE-91-062023

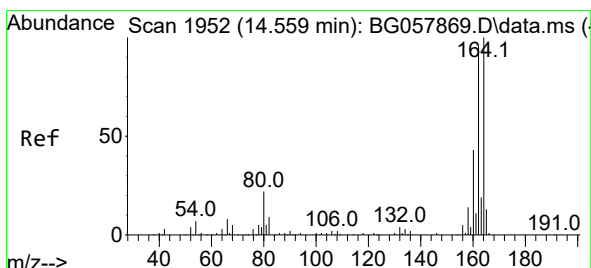
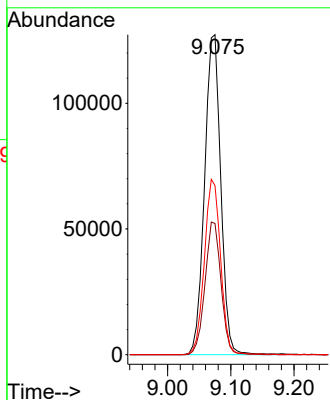
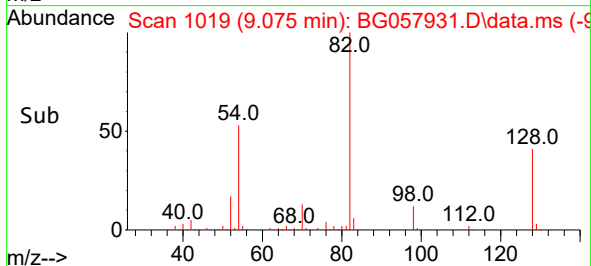


Tgt Ion: 82 Resp: 226814
Ion Ratio Lower Upper
82 100
128 41.0 32.2 48.4
54 52.8 46.1 69.1

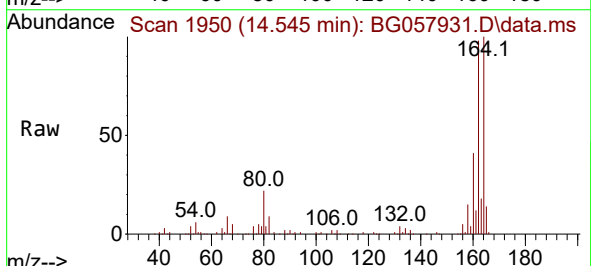
Manual Integrations

APPROVED

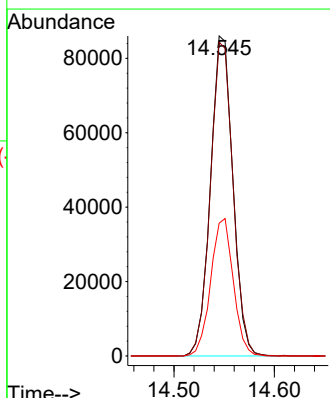
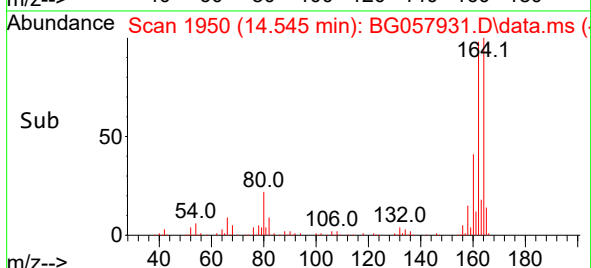
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

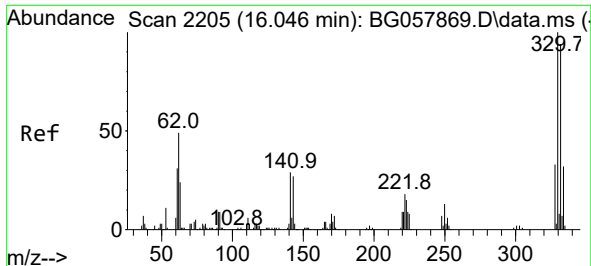


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19



Tgt Ion:164 Resp: 133361
Ion Ratio Lower Upper
164 100
162 98.0 76.4 114.6
160 41.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 91.084 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

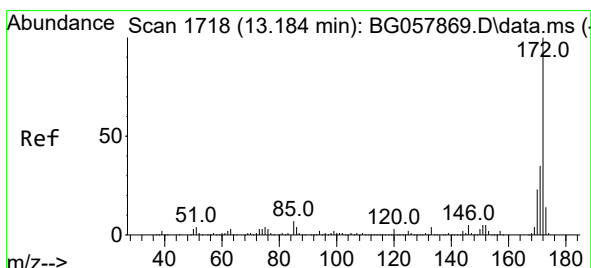
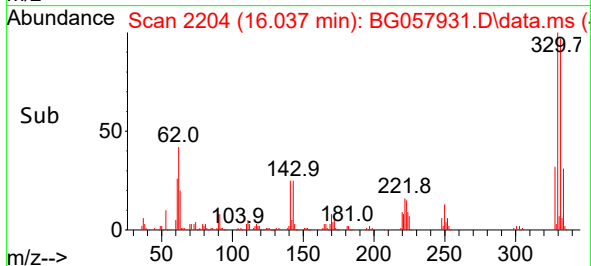
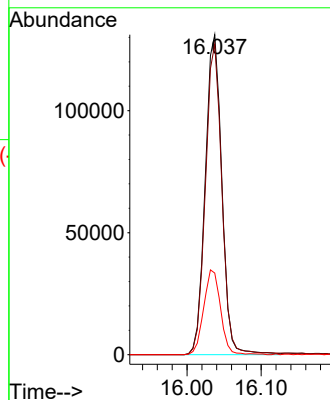
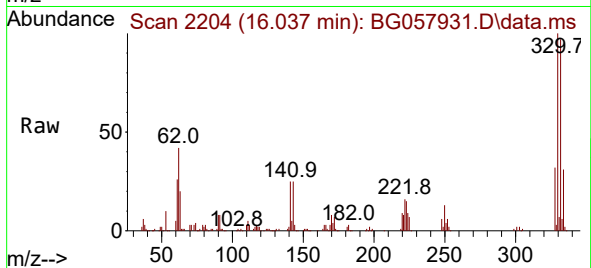
CE-91-062023

Tgt Ion:330 Resp: 20402
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 26.9 22.2 33.4

Manual Integrations

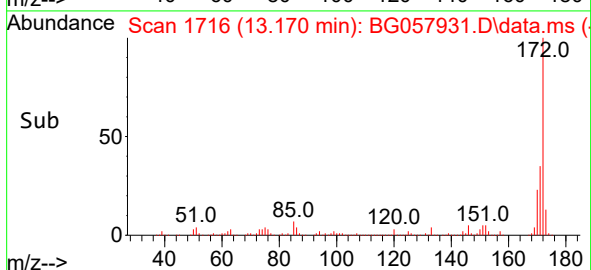
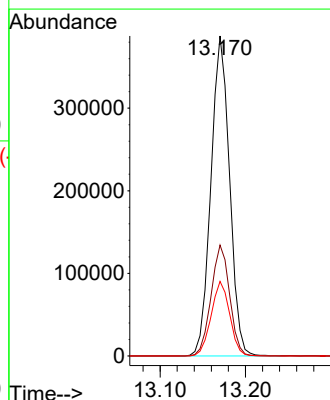
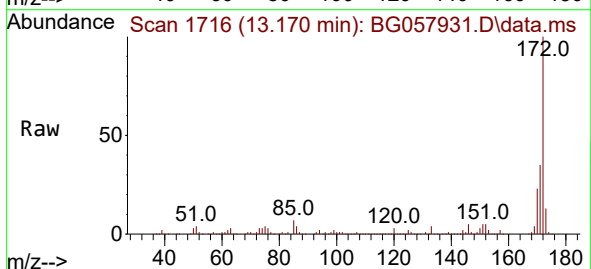
APPROVED

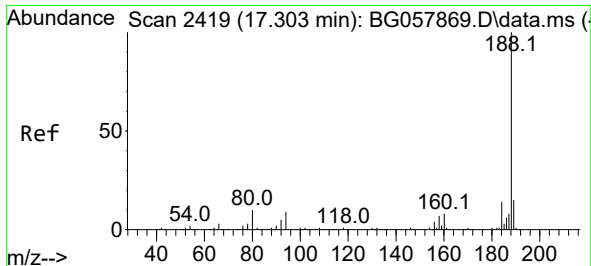
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#45
2-Fluorobiphenyl
Concen: 67.296 ng
RT: 13.170 min Scan# 1716
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:172 Resp: 588102
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.8
170 23.3 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.289 min Scan# 2419
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

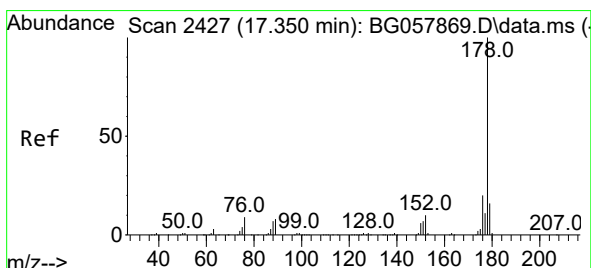
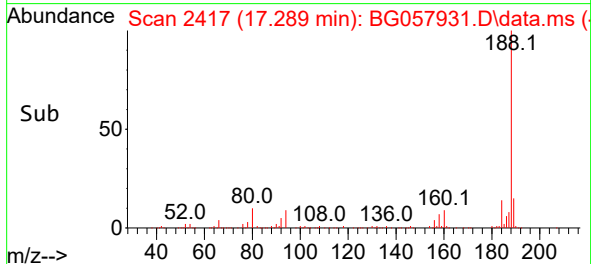
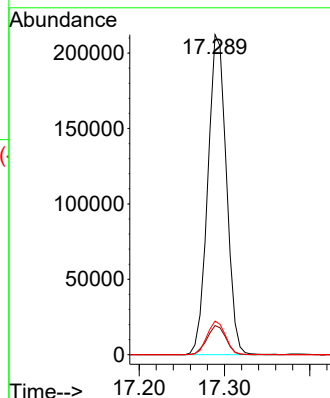
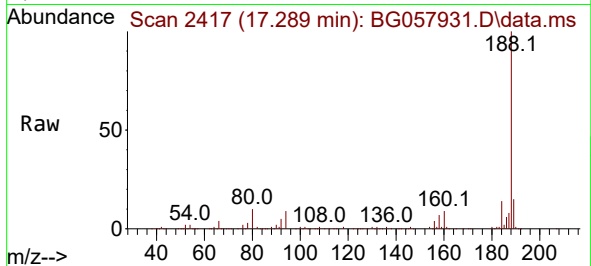
CE-91-062023

Tgt Ion:188 Resp: 32080
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.5 8.4 12.6

Manual Integrations

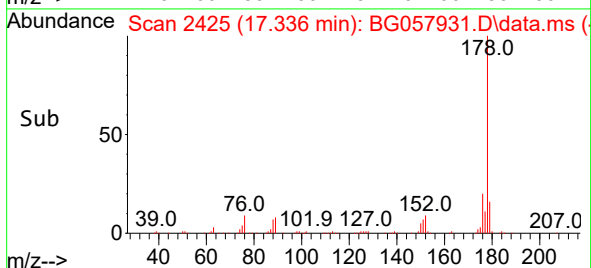
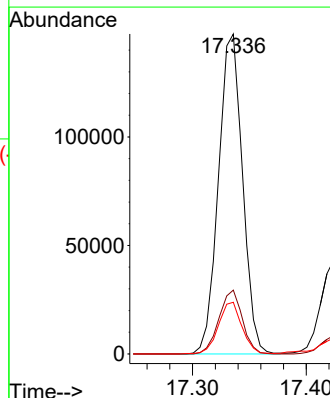
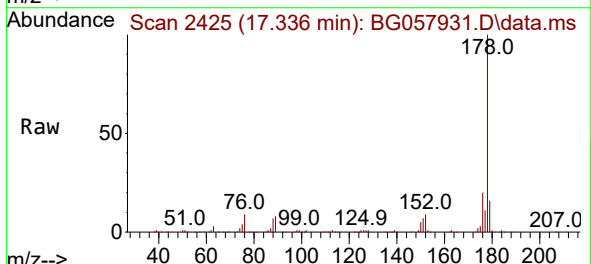
APPROVED

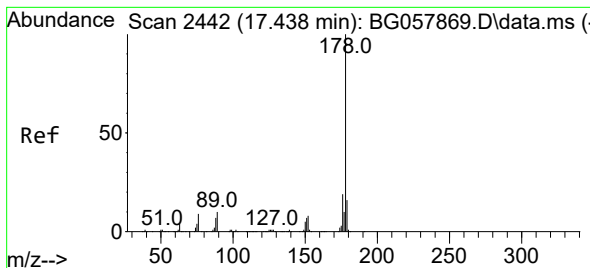
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#71
Phenanthrene
Concen: 14.095 ng
RT: 17.336 min Scan# 2425
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:178 Resp: 217059
Ion Ratio Lower Upper
178 100
176 19.9 16.3 24.5
179 16.2 13.2 19.8





#72

Anthracene

Concen: 3.876 ng

RT: 17.424 min Scan# 2442

Delta R.T. -0.014 min

Lab File: BG057931.D

Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

CE-91-062023

Tgt Ion:178 Resp: 6155

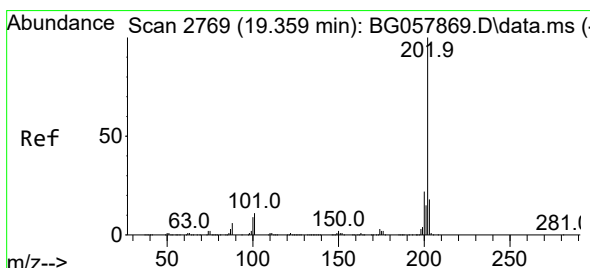
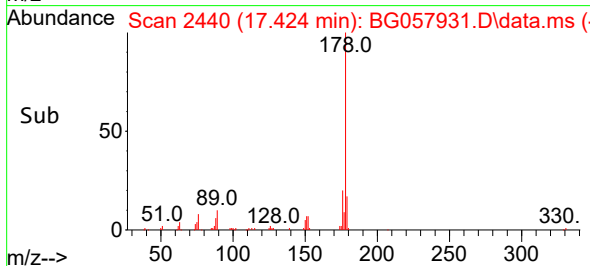
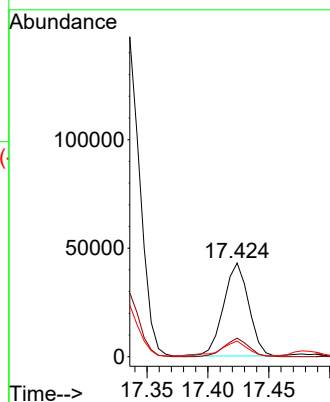
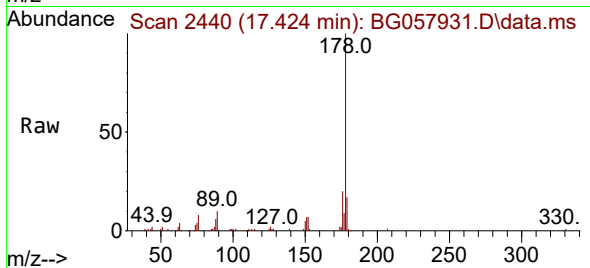
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.0
179	16.8	12.9	19.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/02/2023

Supervised By :Sohil Jodhani 07/05/2023



#75

Fluoranthene

Concen: 19.693 ng

RT: 19.345 min Scan# 2767

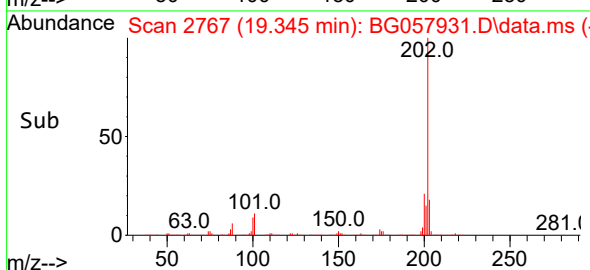
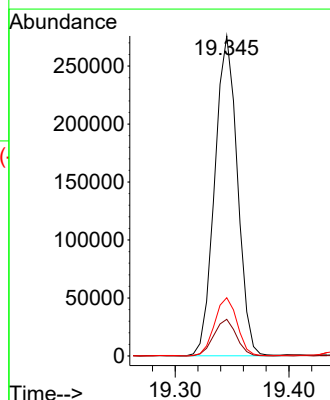
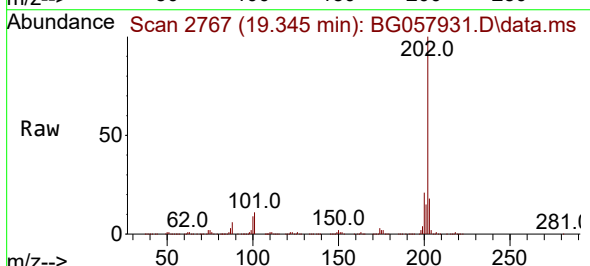
Delta R.T. -0.014 min

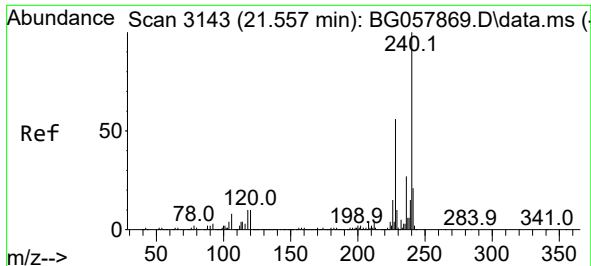
Lab File: BG057931.D

Acq: 30 Jun 2023 23:19

Tgt Ion:202 Resp: 382041

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.3
203	18.2	0.0	38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.543 min Scan# 3143
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

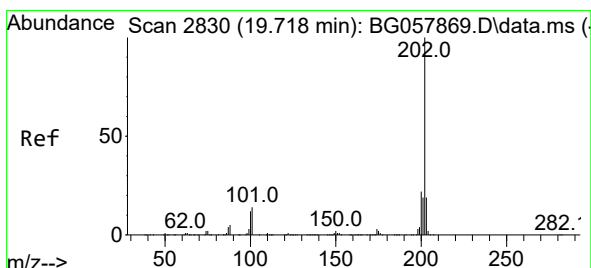
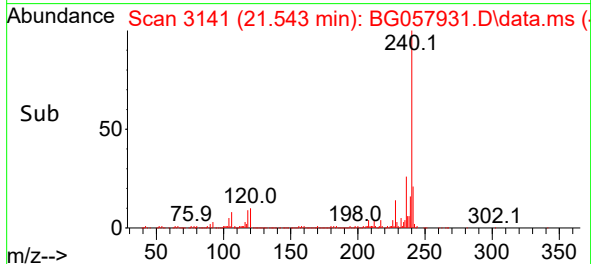
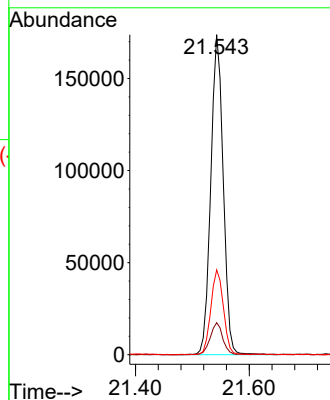
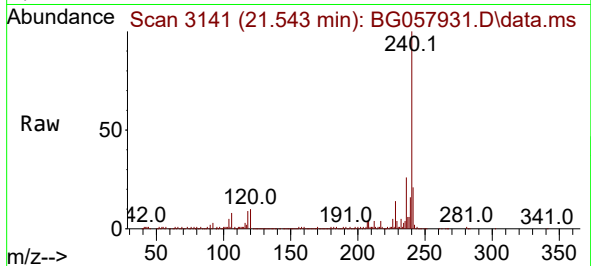
CE-91-062023

Tgt Ion:240 Resp: 262778
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 26.5 21.9 32.9

Manual Integrations

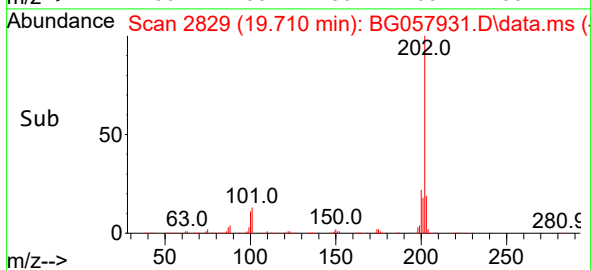
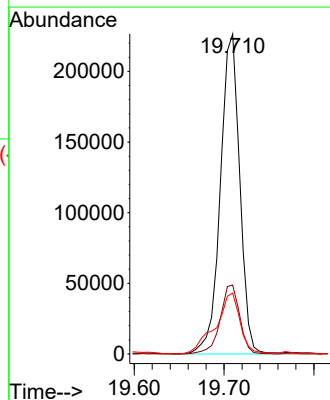
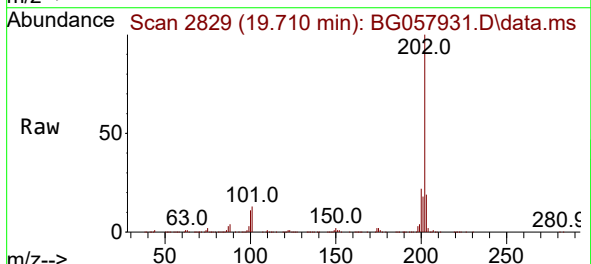
APPROVED

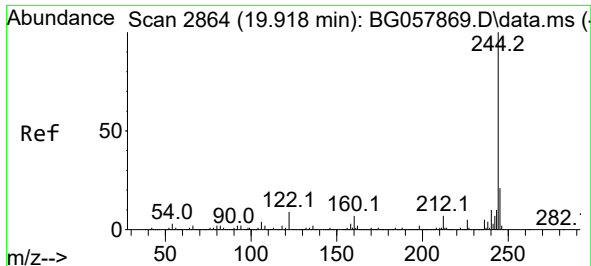
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#78
Pyrene
Concen: 18.077 ng
RT: 19.710 min Scan# 2829
Delta R.T. -0.008 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:202 Resp: 339190
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 19.0 15.2 22.8





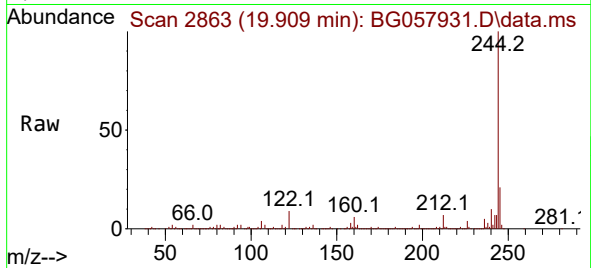
#79
 Terphenyl-d14
 Concen: 70.852 ng
 RT: 19.909 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057931.D
 Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

CE-91-062023

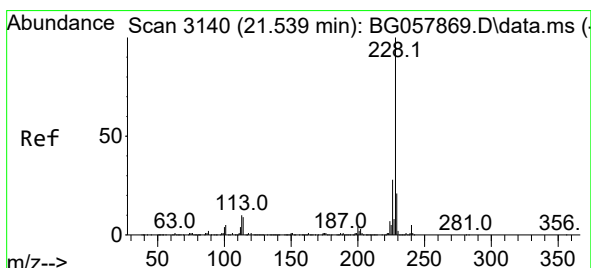
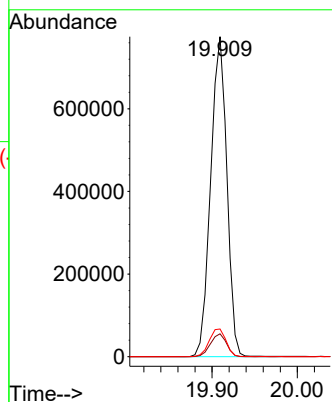
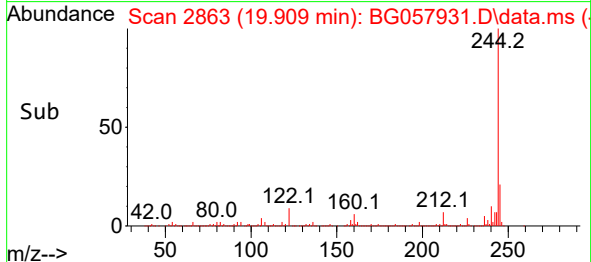


Tgt Ion:244 Resp: 1021259
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 8.7 7.4 11.0

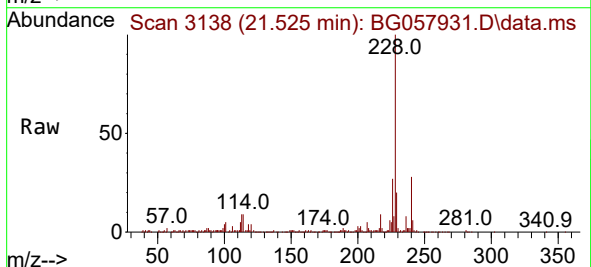
Manual Integrations

APPROVED

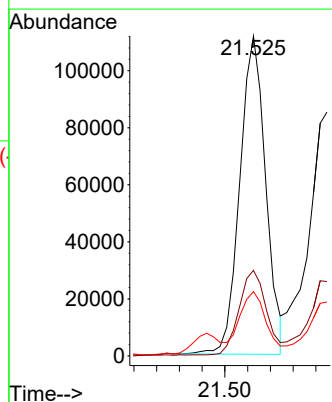
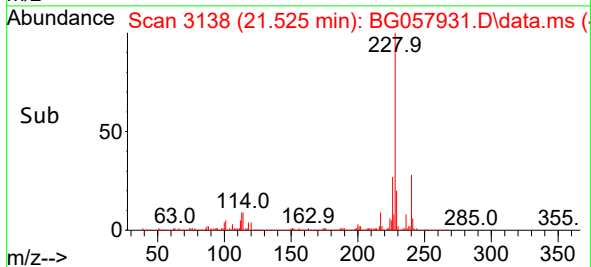
Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/05/2023

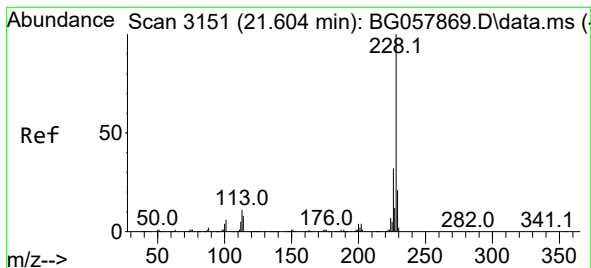


#81
 Benzo(a)anthracene
 Concen: 9.678 ng
 RT: 21.525 min Scan# 3138
 Delta R.T. -0.014 min
 Lab File: BG057931.D
 Acq: 30 Jun 2023 23:19



Tgt Ion:228 Resp: 175992
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.7 34.1
 229 20.1 16.5 24.7





#83

Chrysene

Concen: 8.700 ng

RT: 21.590 min Scan# 3151

Delta R.T. -0.014 min

Lab File: BG057931.D

Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

CE-91-062023

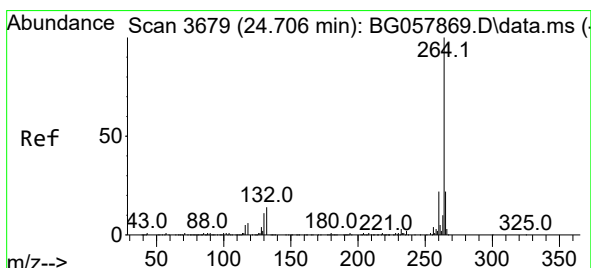
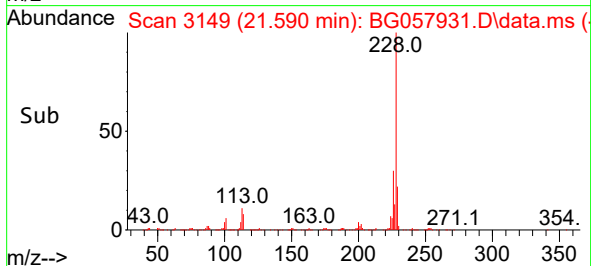
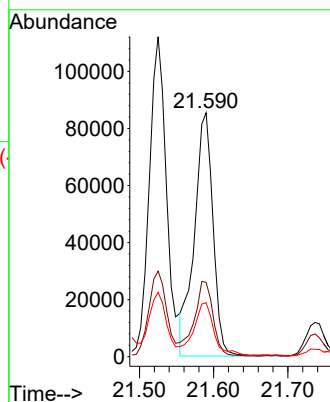
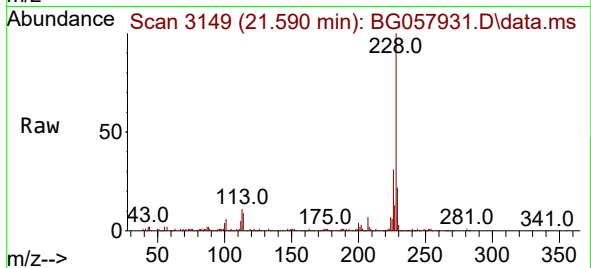
Tgt Ion:228 Resp: 14975

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.3	37.9
229	22.1	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3676

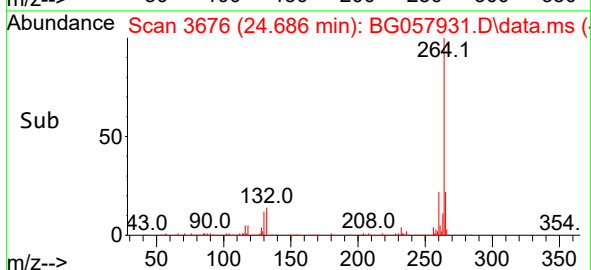
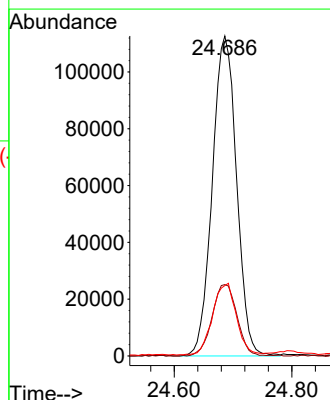
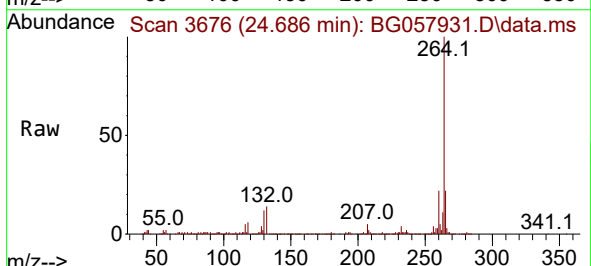
Delta R.T. -0.020 min

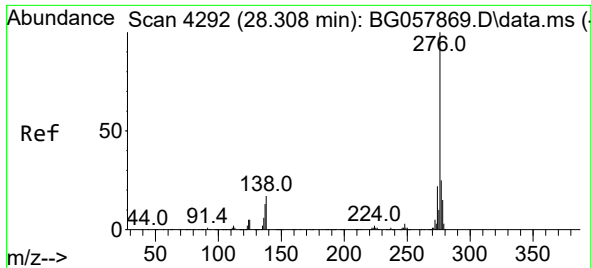
Lab File: BG057931.D

Acq: 30 Jun 2023 23:19

Tgt Ion:264 Resp: 322167

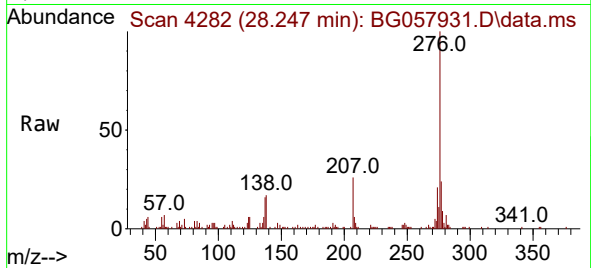
Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.8	26.8
265	22.0	17.3	25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.044 ng
RT: 28.247 min Scan# 41
Delta R.T. -0.061 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

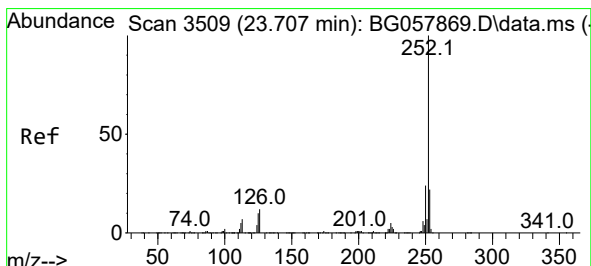
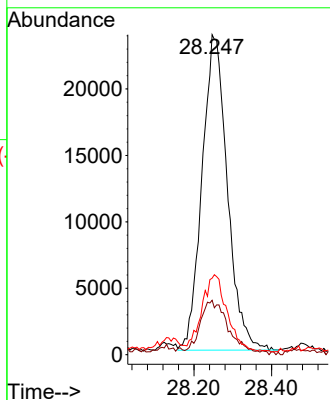
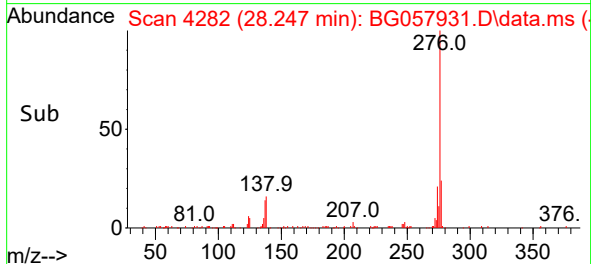
Instrument :
BNA_G
ClientSampleId :
CE-91-062023



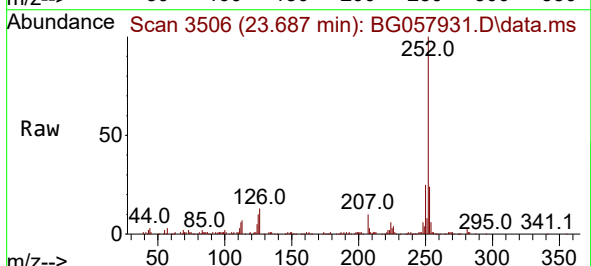
Tgt Ion:276 Resp: 10765
Ion Ratio Lower Upper
276 100
138 17.7 12.2 18.4
277 23.4 20.4 30.6

Manual Integrations
APPROVED

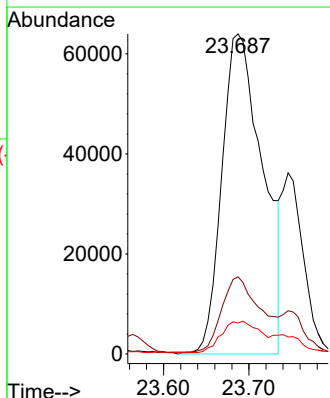
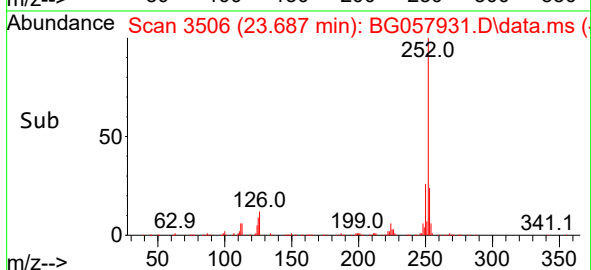
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023

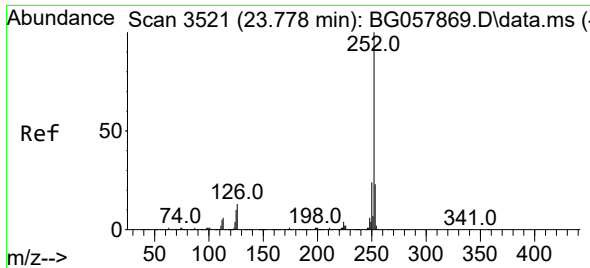


#88
Benzo(b)fluoranthene
Concen: 12.171 ng
RT: 23.687 min Scan# 3506
Delta R.T. -0.020 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19



Tgt Ion:252 Resp: 213869
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 9.7 7.7 11.5





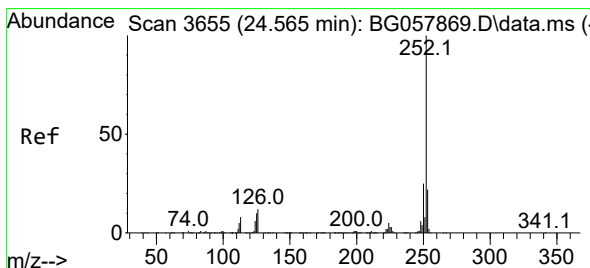
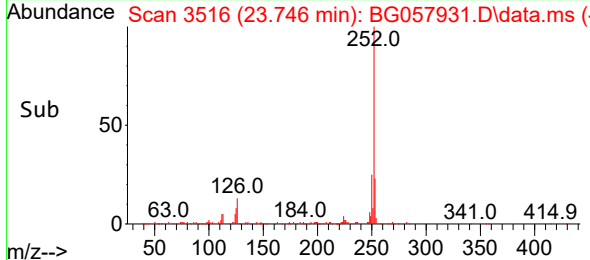
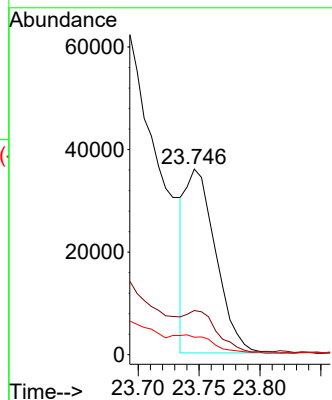
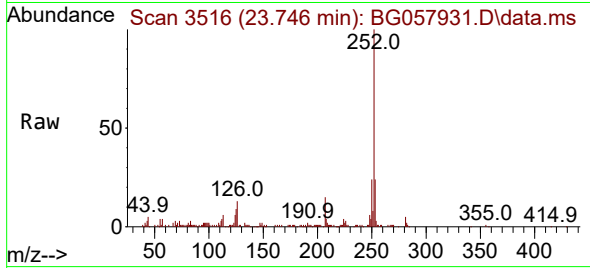
#89
Benzo(k)fluoranthene
Concen: 3.479 ng m
RT: 23.746 min Scan# 3516
Delta R.T. -0.032 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Instrument :
BNA_G
ClientSampleId :
CE-91-062023

Tgt Ion:252 Resp: 6177
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 9.4 7.8 11.6

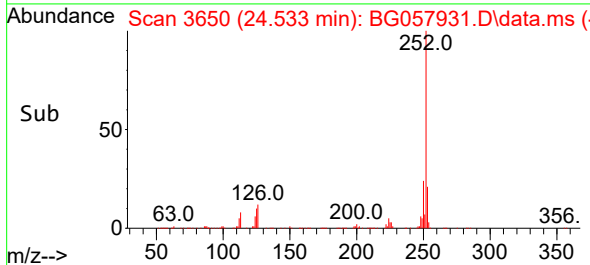
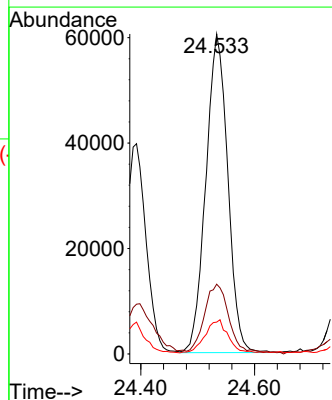
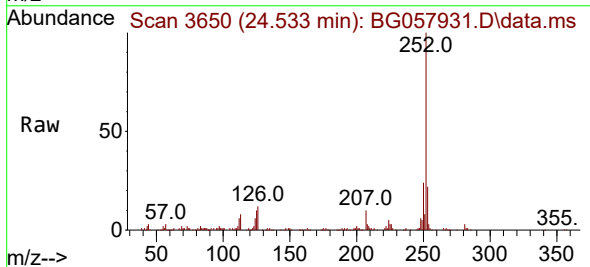
Manual Integrations
APPROVED

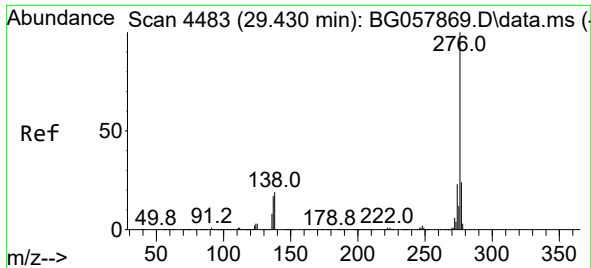
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/05/2023



#90
Benzo(a)pyrene
Concen: 9.272 ng
RT: 24.533 min Scan# 3650
Delta R.T. -0.032 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

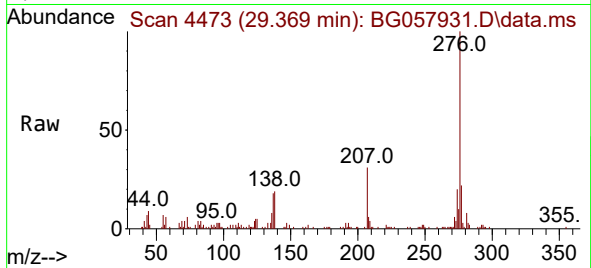
Tgt Ion:252 Resp: 161398
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 10.0 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.048 ng
 RT: 29.369 min Scan# 44
 Delta R.T. -0.061 min
 Lab File: BG057931.D
 Acq: 30 Jun 2023 23:19

Instrument :
 BNA_G
 ClientSampleId :
 CE-91-062023



Tgt Ion: 276 Resp: 10640

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.4	29.2
138	19.0	15.0	22.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/05/2023

