

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
 Data File : BG060426.D
 Acq On : 25 Jan 2024 13:49
 Operator : MA/JU
 Sample : P1248-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-012424

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/26/2024
 Supervised By :mohammad ahmed 01/29/2024

Quant Time: Jan 25 14:24:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	252181	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	988793	20.000	ng	0.00
39) Acenaphthene-d10	14.565	164	675461	20.000	ng	0.00
64) Phenanthrene-d10	17.308	188	1558776	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1372203	20.000	ng	0.00
86) Perylene-d12	24.741	264	1562563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.511	112	980941	63.979	ng	0.00
7) Phenol-d6	7.097	99	1400867	61.703	ng	0.00
23) Nitrobenzene-d5	9.089	82	887452	42.380	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	638068	64.205	ng	0.00
45) 2-Fluorobiphenyl	13.184	172	2052893	42.255	ng	0.00
79) Terphenyl-d14	19.929	244	2888250	43.881	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.350	178	1344039	17.839	ng	94
72) Anthracene	17.444	178	405943	5.396	ng	93
75) Fluoranthene	19.371	202	4429704	48.949	ng	99
78) Pyrene	19.735	202	4095955	46.742	ng	95
81) Benzo(a)anthracene	21.556	228	2568591	30.237	ng	96
83) Chrysene	21.621	228	2152343	25.762	ng	92
87) Indeno(1,2,3-cd)pyrene	28.343	276	1042295	9.593	ng	94
88) Benzo(b)fluoranthene	23.736	252	2764510	29.948	ng	97
89) Benzo(k)fluoranthene	23.795	252	1139734m	12.512	ng	
90) Benzo(a)pyrene	24.594	252	2196124	26.336	ng	99
91) Dibenzo(a,h)anthracene	28.390	278	247126	2.785	ng	93
92) Benzo(g,h,i)perylene	29.471	276	988348	10.868	ng	98

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

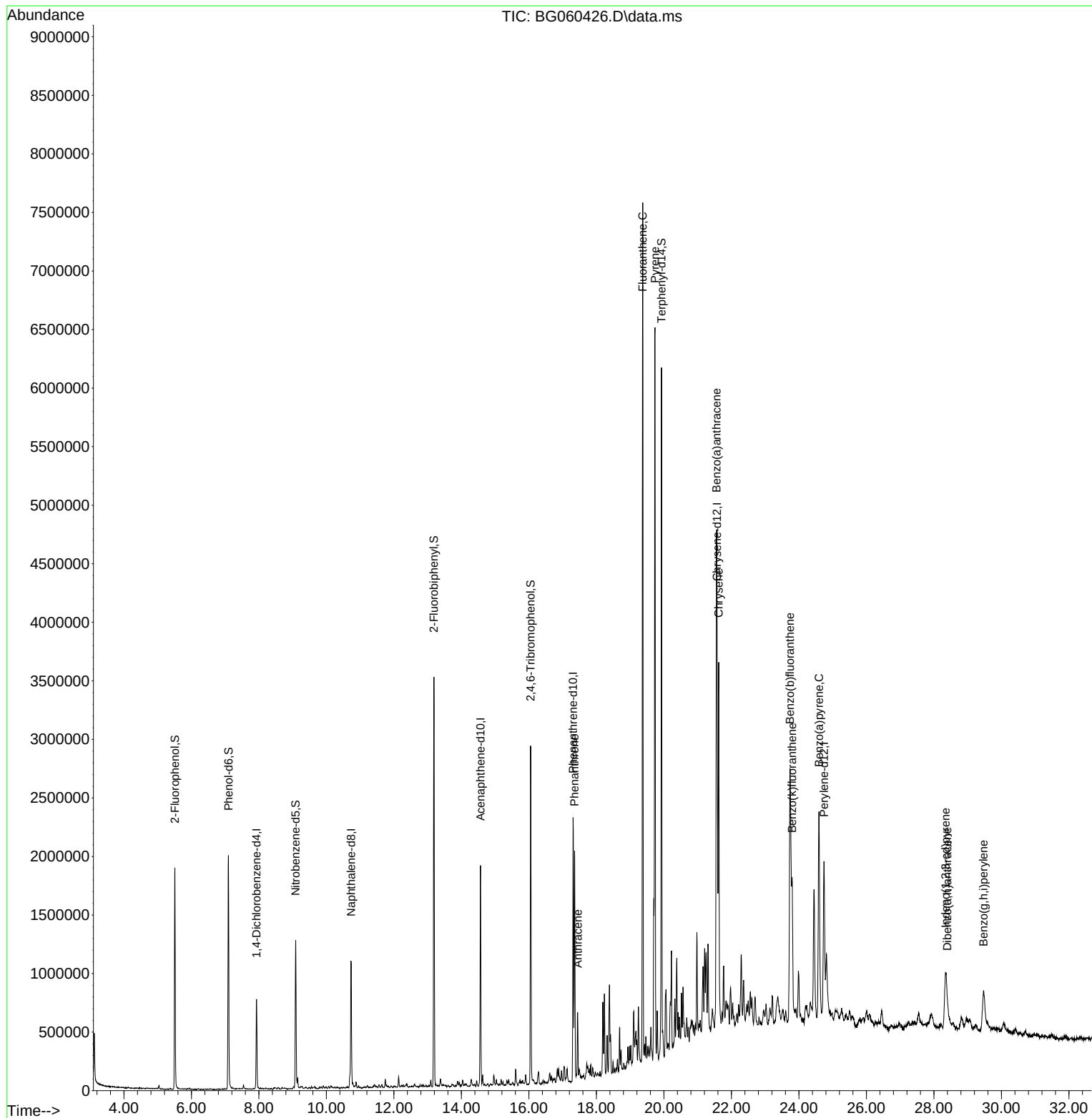
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

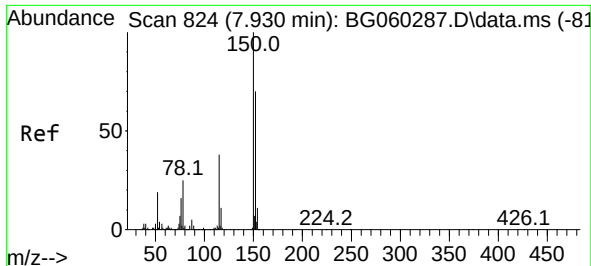
Instrument :
BNA_G
ClientSampleId :
EO-02-012424

Quant Time: Jan 25 14:24:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 04:07:12 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

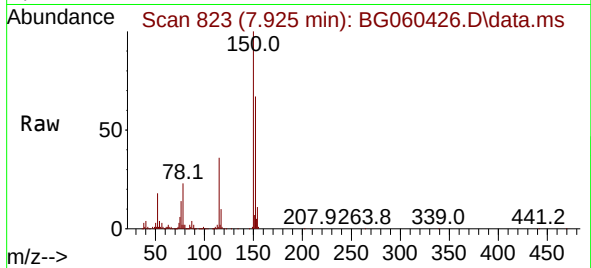
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

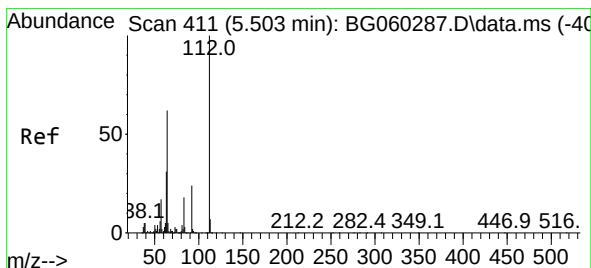
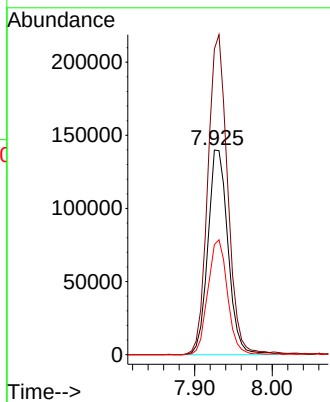
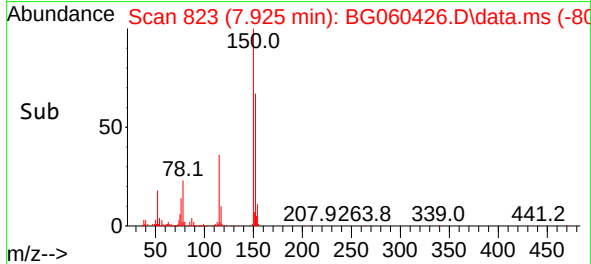
Instrument :
BNA_G
ClientSampleId :
EO-02-012424



Tgt Ion:152 Resp: 25218
Ion Ratio Lower Upper
152 100
150 149.4 114.5 171.7
115 53.8 43.0 64.6

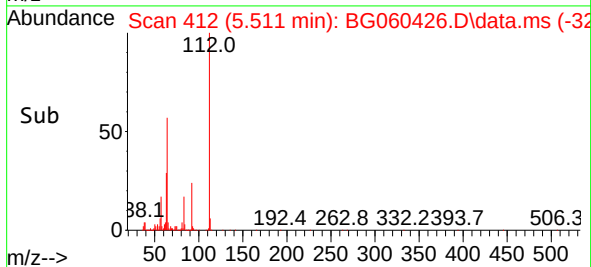
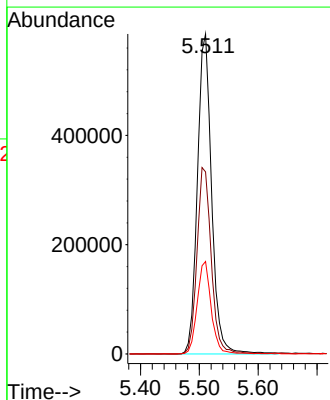
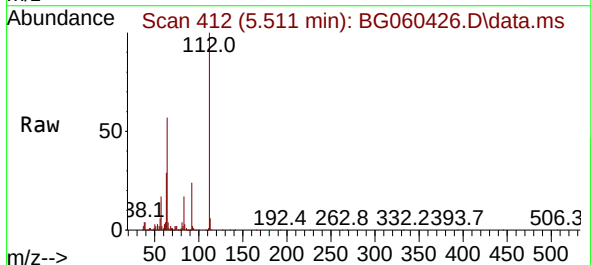
Manual Integrations
APPROVED

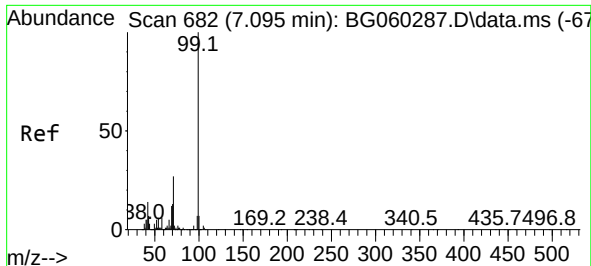
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#5
2-Fluorophenol
Concen: 63.979 ng
RT: 5.511 min Scan# 412
Delta R.T. 0.008 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

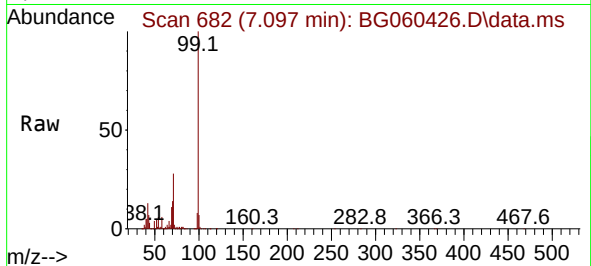
Tgt Ion:112 Resp: 980941
Ion Ratio Lower Upper
112 100
64 56.9 49.8 74.6
63 28.9 24.4 36.6





#7
Phenol-d6
Concen: 61.703 ng
RT: 7.097 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

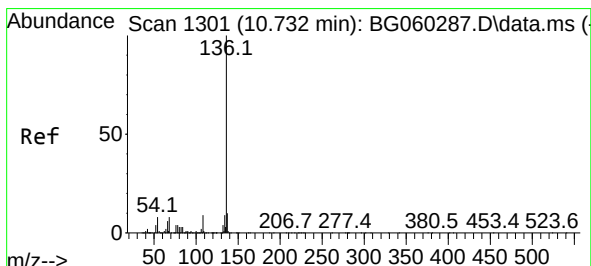
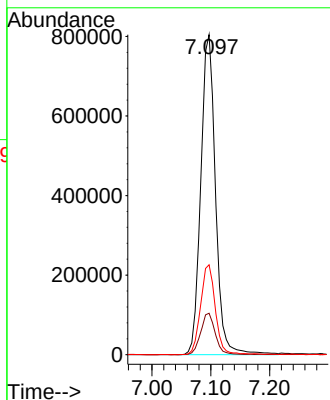
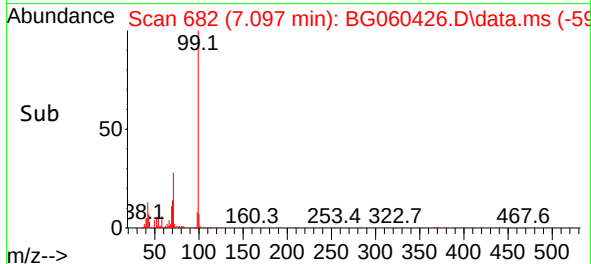
Instrument :
BNA_G
ClientSampleId :
EO-02-012424



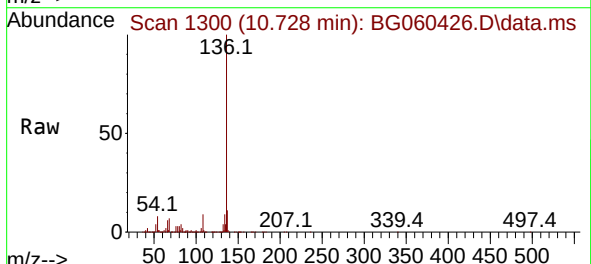
Tgt Ion: 99 Resp: 140086
Ion Ratio Lower Upper
99 100
42 12.9 10.9 16.3
71 28.1 21.5 32.3

Manual Integrations
APPROVED

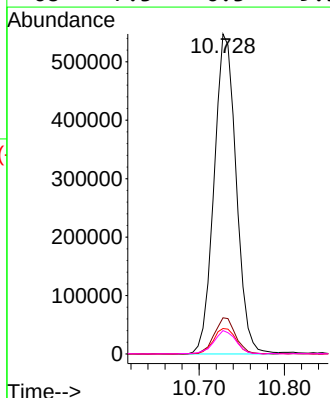
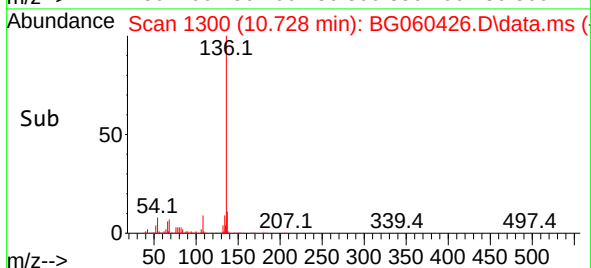
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024

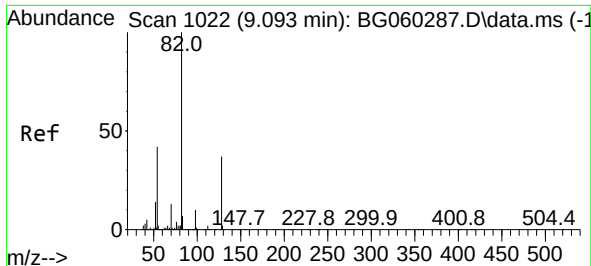


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1300
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49



Tgt Ion:136 Resp: 988793
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.4
54 8.0 6.2 9.2
68 7.3 6.3 9.5





#23
Nitrobenzene-d5
Concen: 42.380 ng
RT: 9.089 min Scan# 1021
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

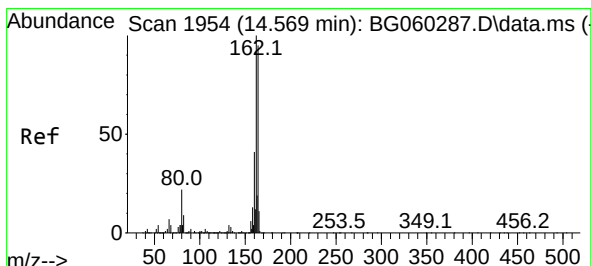
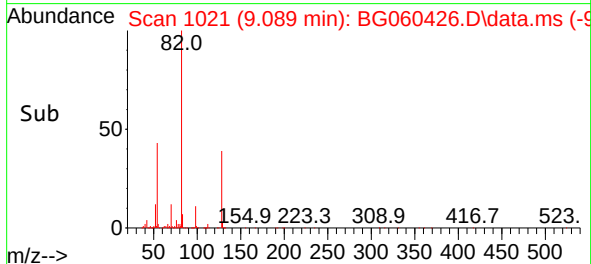
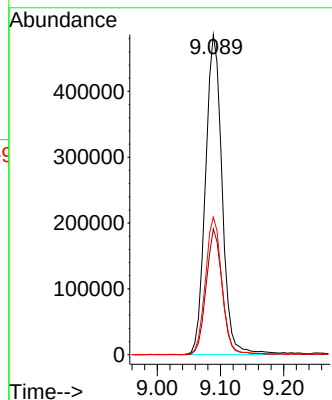
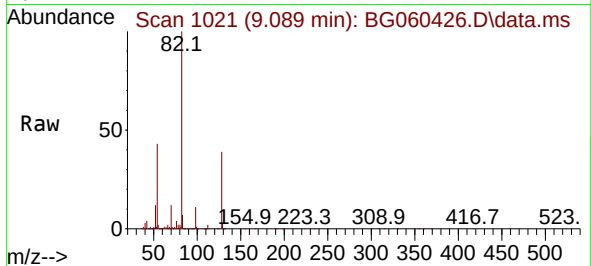
ClientSampleId :

EO-02-012424

Tgt Ion: 82 Resp: 887452
Ion Ratio Lower Upper
82 100
128 39.3 29.6 44.4
54 43.0 33.6 50.4

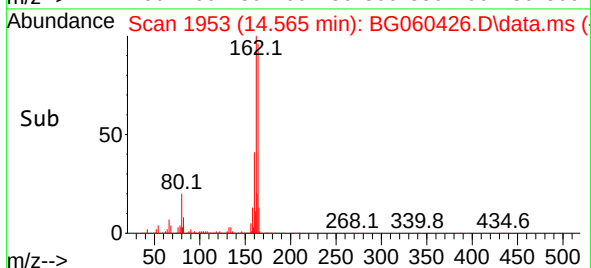
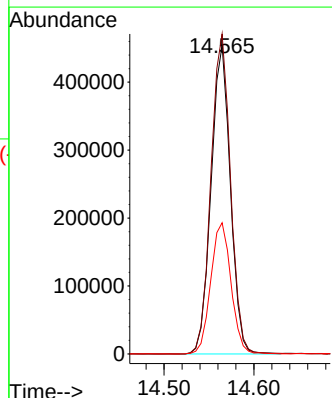
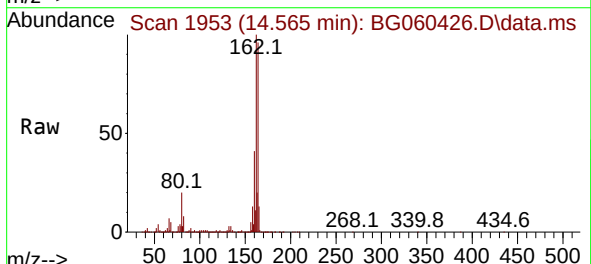
Manual Integrations
APPROVED

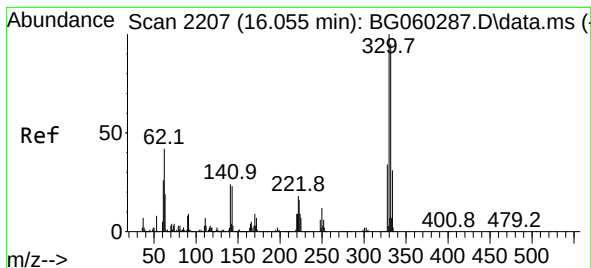
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.565 min Scan# 1953
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

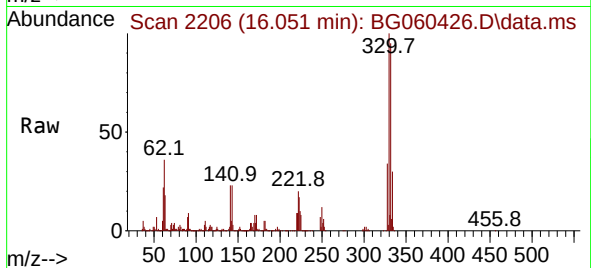
Tgt Ion:164 Resp: 675461
Ion Ratio Lower Upper
164 100
162 103.8 84.4 126.6
160 42.5 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 64.205 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

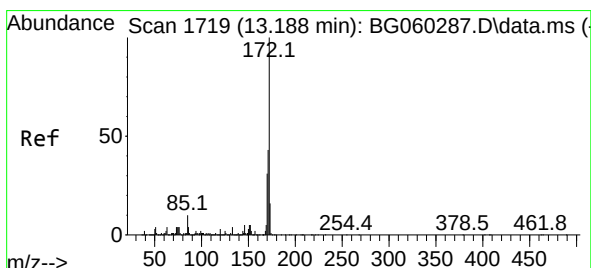
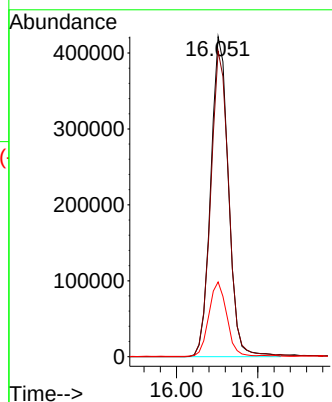
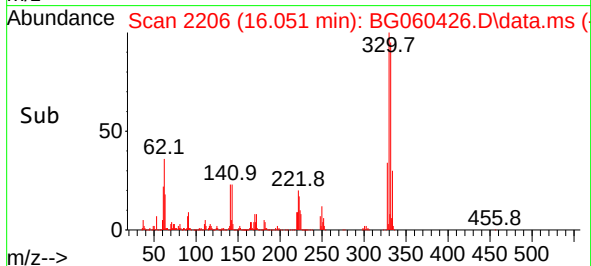
Instrument :
BNA_G
ClientSampleId :
EO-02-012424



Tgt Ion:330 Resp: 63806
Ion Ratio Lower Upper
330 100
332 97.4 76.7 115.1
141 23.5 18.6 28.0

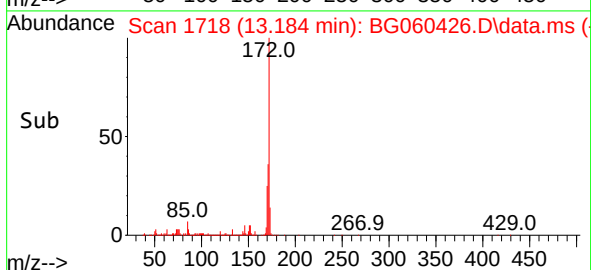
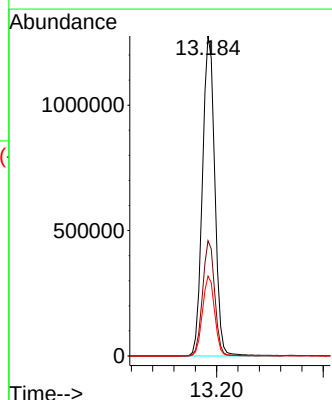
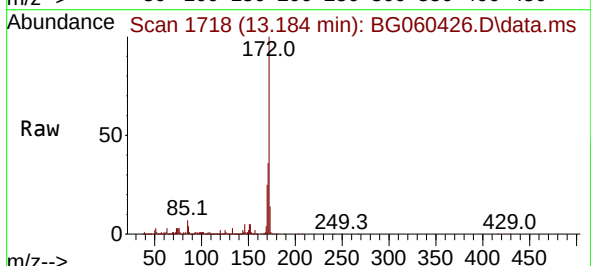
Manual Integrations
APPROVED

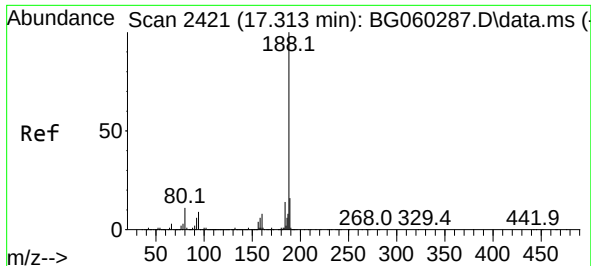
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#45
2-Fluorobiphenyl
Concen: 42.255 ng
RT: 13.184 min Scan# 1718
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:172 Resp: 2052893
Ion Ratio Lower Upper
172 100
171 36.0 34.6 51.8
170 24.9 24.4 36.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.308 min Scan# 2420
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :

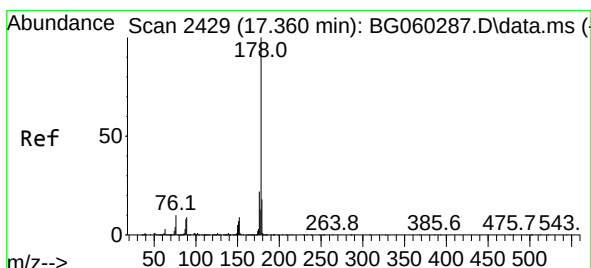
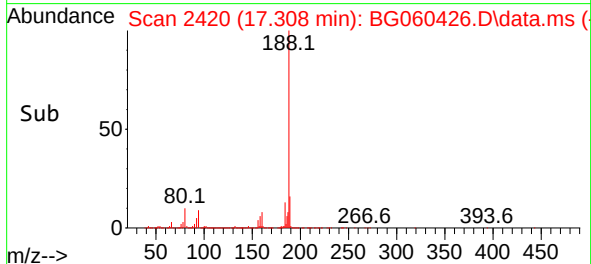
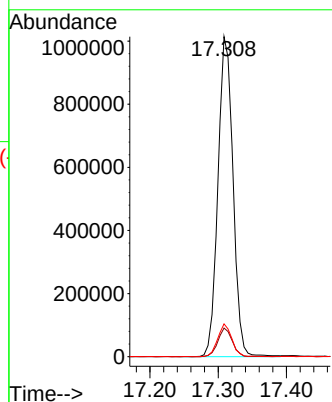
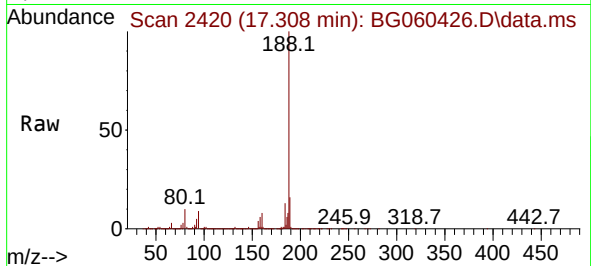
EO-02-012424

Tgt Ion:188 Resp: 1558770
Ion Ratio Lower Upper
188 100
94 8.9 7.1 10.7
80 10.3 8.5 12.7

Manual Integrations

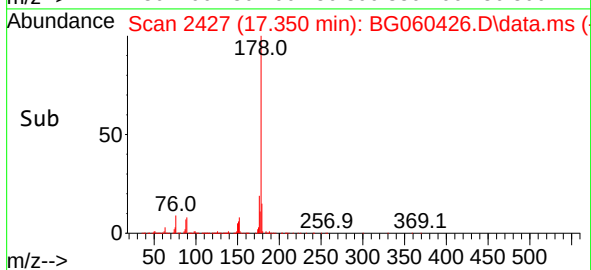
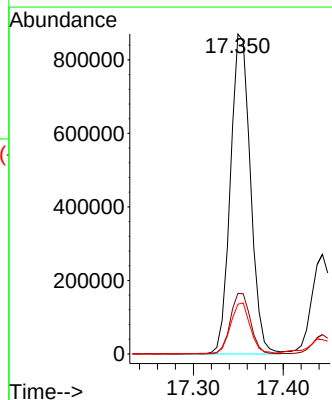
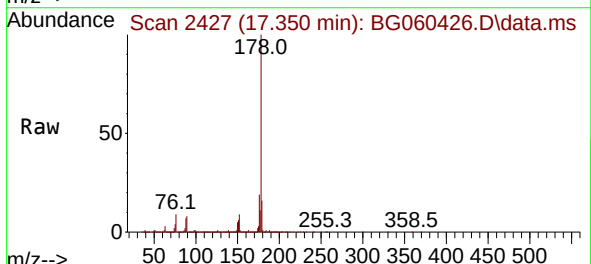
APPROVED

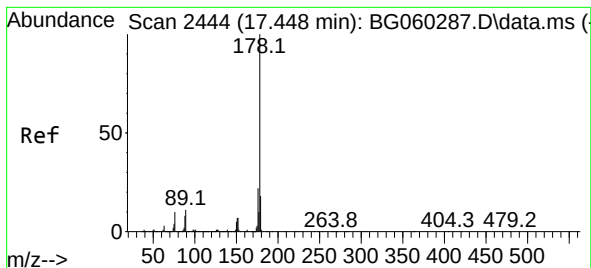
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#71
Phenanthrene
Concen: 17.839 ng
RT: 17.350 min Scan# 2427
Delta R.T. -0.010 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:178 Resp: 1344039
Ion Ratio Lower Upper
178 100
176 18.9 17.4 26.2
179 15.5 14.7 22.1





#72

Anthracene

Concen: 5.396 ng

RT: 17.444 min Scan# 2444

Delta R.T. -0.004 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :

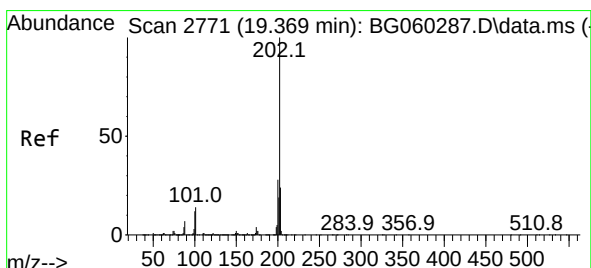
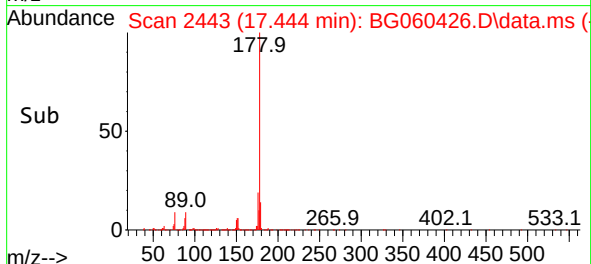
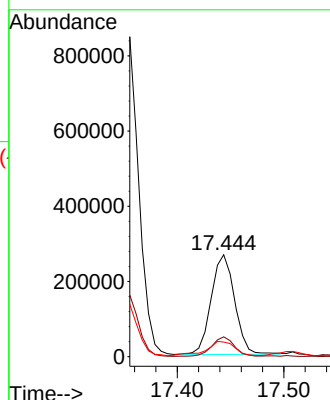
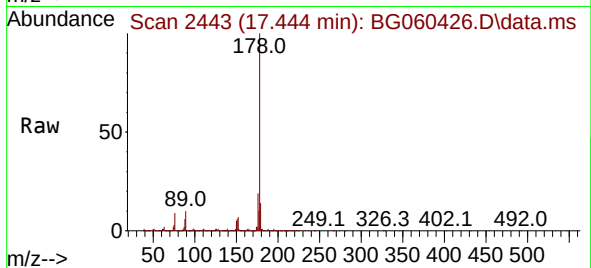
EO-02-012424

Tgt Ion:178 Resp: 40594
 Ion Ratio Lower Upper
 178 100
 176 19.4 17.8 26.6
 179 14.3 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/26/2024
 Supervised By :mohammad ahmed 01/29/2024



#75

Fluoranthene

Concen: 48.949 ng

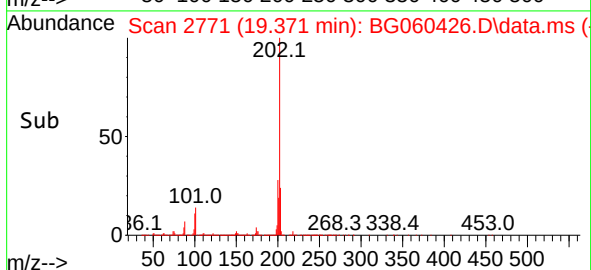
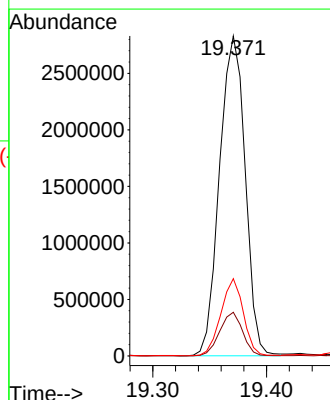
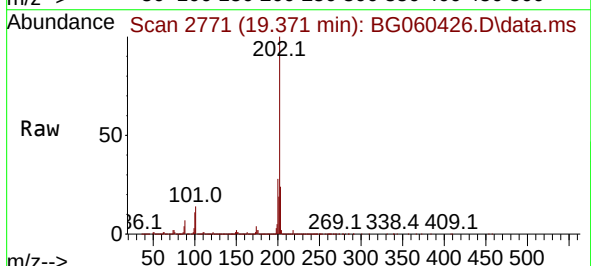
RT: 19.371 min Scan# 2771

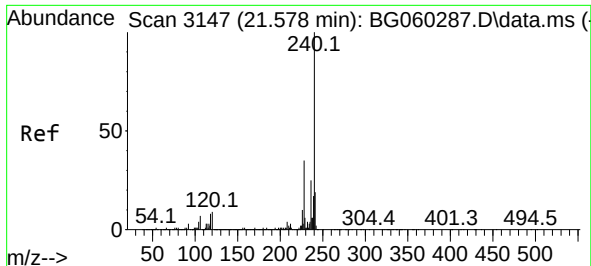
Delta R.T. 0.002 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Tgt Ion:202 Resp: 4429704
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 34.4
 203 24.2 4.0 44.0





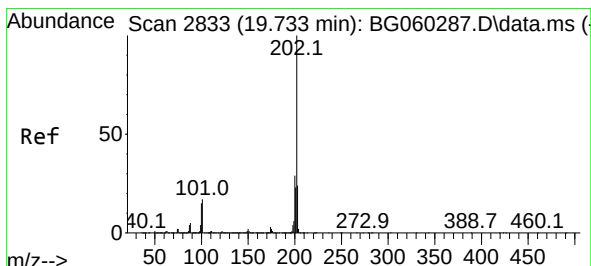
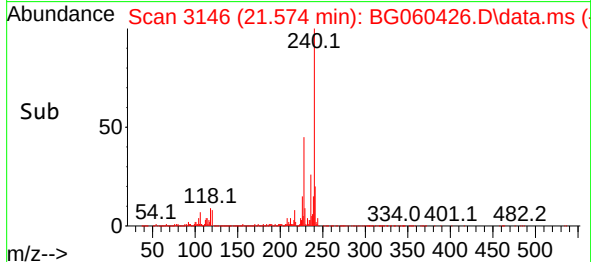
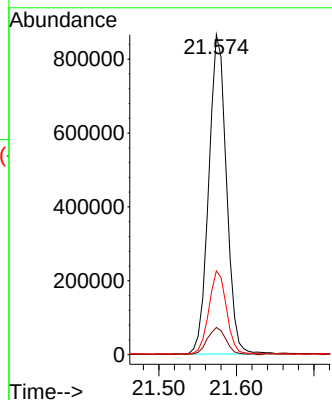
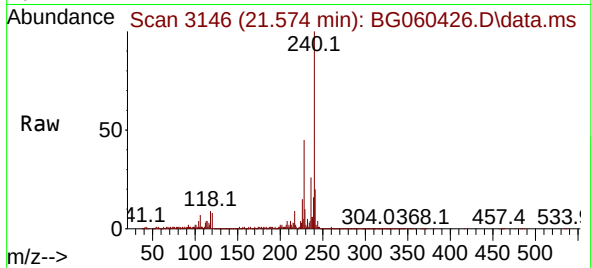
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3147
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

Tgt Ion:240 Resp: 137220
Ion Ratio Lower Upper
240 100
120 8.5 7.3 10.9
236 26.2 20.3 30.5

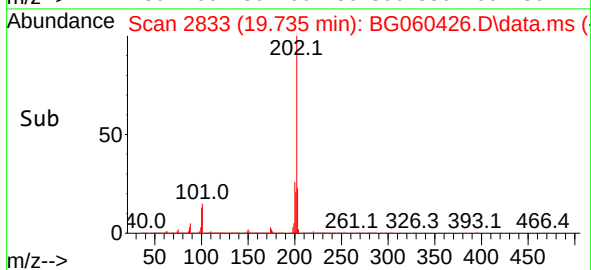
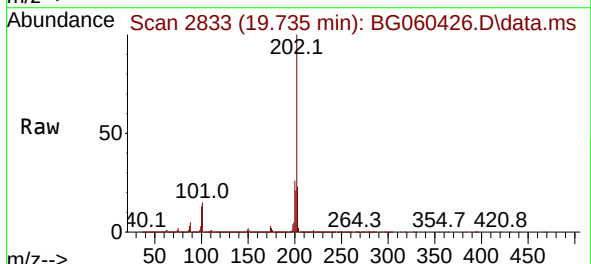
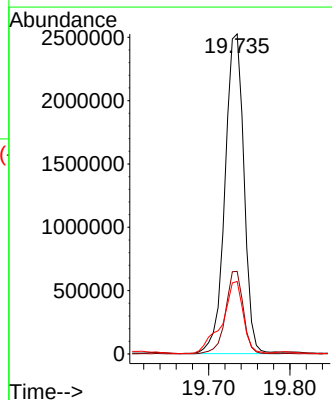
Manual Integrations
APPROVED

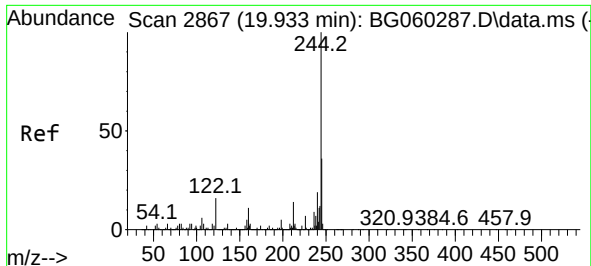
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#78
Pyrene
Concen: 46.742 ng
RT: 19.735 min Scan# 2833
Delta R.T. 0.002 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:202 Resp: 4095955
Ion Ratio Lower Upper
202 100
200 25.8 23.5 35.3
203 22.6 19.6 29.4





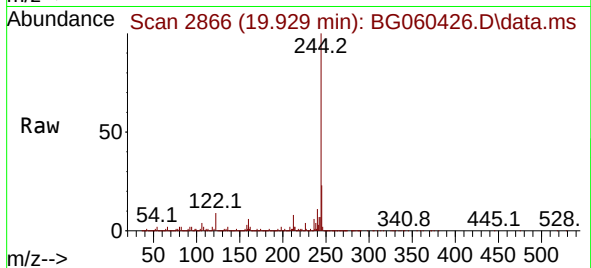
#79
 Terphenyl-d14
 Concen: 43.881 ng
 RT: 19.929 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG060426.D
 Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :

EO-02-012424

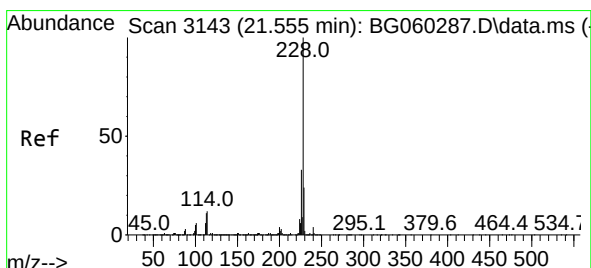
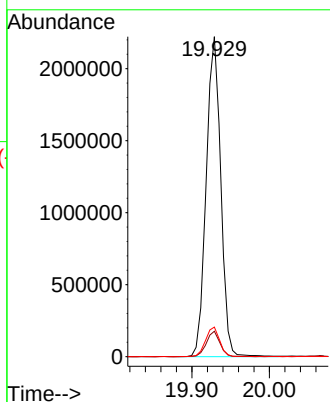
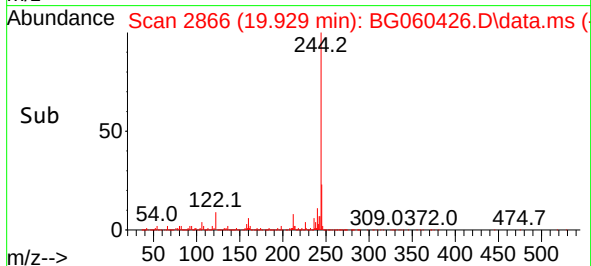


Tgt Ion:244 Resp: 2888250
 Ion Ratio Lower Upper
 244 100
 212 8.0 10.9 16.3
 122 9.2 12.6 18.8

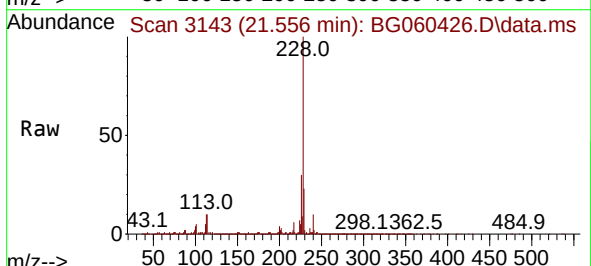
Manual Integrations

APPROVED

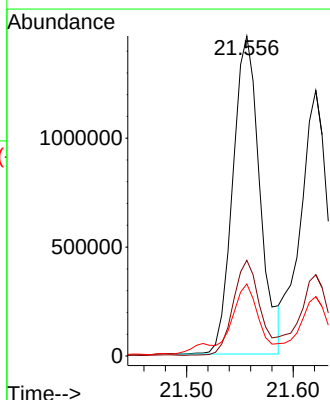
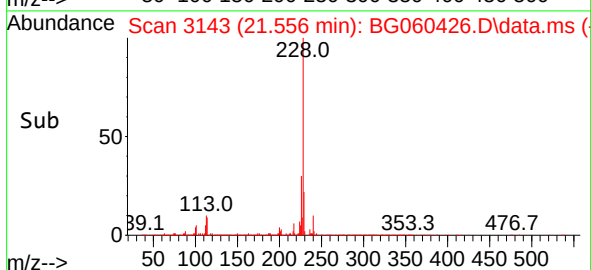
Reviewed By :Jagrut Upadhyay 01/26/2024
 Supervised By :mohammad ahmed 01/29/2024

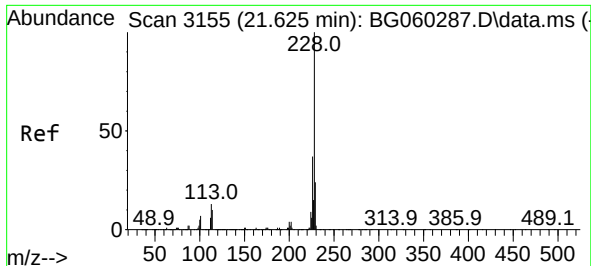


#81
 Benzo(a)anthracene
 Concen: 30.237 ng
 RT: 21.556 min Scan# 3143
 Delta R.T. 0.002 min
 Lab File: BG060426.D
 Acq: 25 Jan 2024 13:49



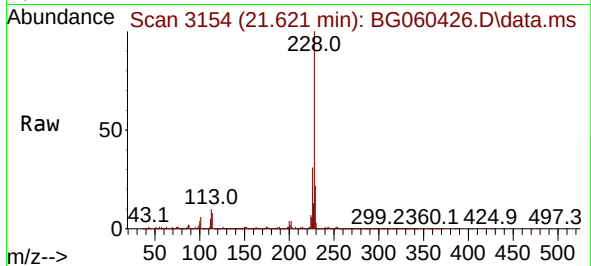
Tgt Ion:228 Resp: 2568591
 Ion Ratio Lower Upper
 228 100
 226 29.9 26.2 39.2
 229 22.5 19.4 29.2





#83
Chrysene
Concen: 25.762 ng
RT: 21.621 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

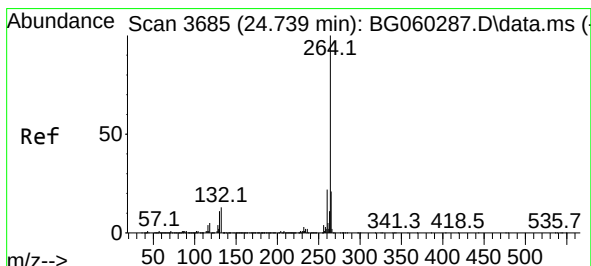
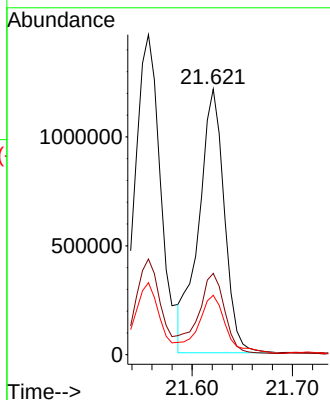
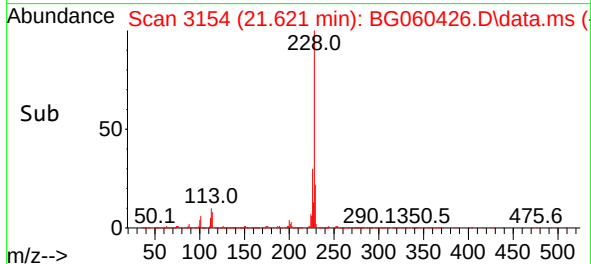
Instrument :
BNA_G
ClientSampleId :
EO-02-012424



Tgt Ion:228 Resp: 215234
Ion Ratio Lower Upper
228 100
226 30.6 29.4 44.2
229 22.4 19.2 28.8

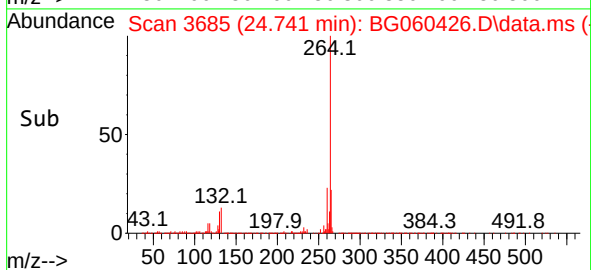
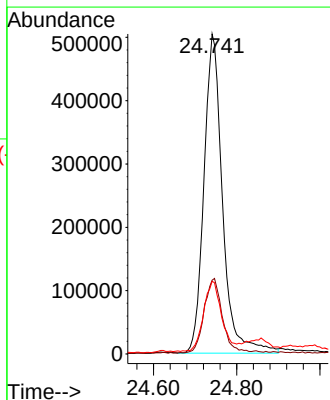
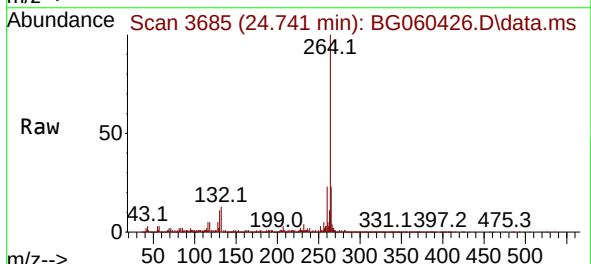
Manual Integrations
APPROVED

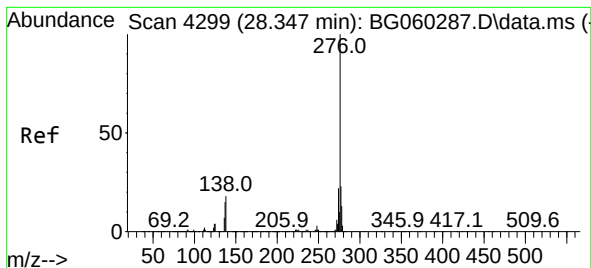
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.741 min Scan# 3685
Delta R.T. 0.002 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:264 Resp: 1562563
Ion Ratio Lower Upper
264 100
260 23.1 17.8 26.6
265 22.7 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.593 ng

RT: 28.343 min Scan# 4299

Delta R.T. -0.004 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Instrument :

BNA_G

ClientSampleId :

EO-02-012424

Tgt Ion:276 Resp: 104229

Ion Ratio Lower Upper

276 100

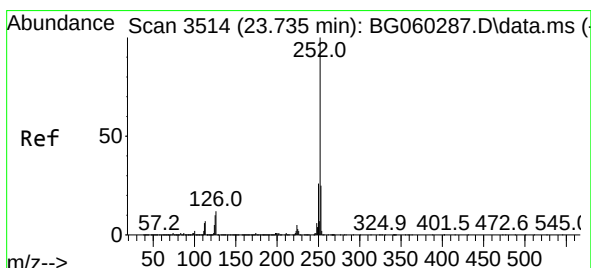
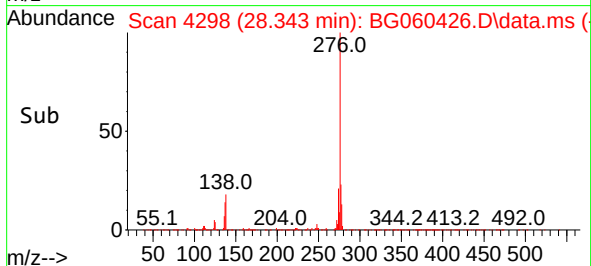
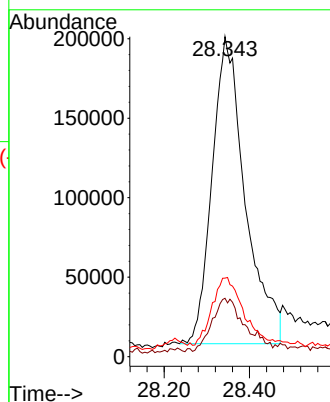
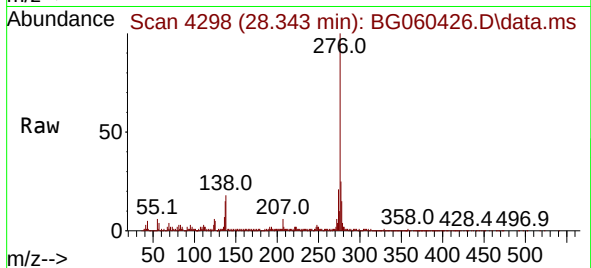
138 17.1 12.5 18.7

277 22.0 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#88

Benzo(b)fluoranthene

Concen: 29.948 ng

RT: 23.736 min Scan# 3514

Delta R.T. 0.002 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

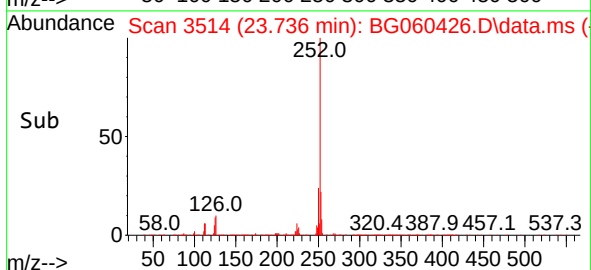
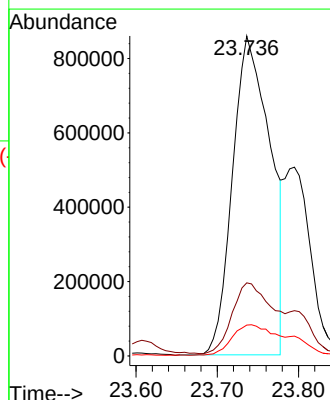
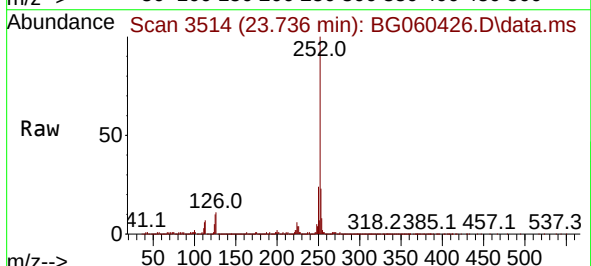
Tgt Ion:252 Resp: 2764510

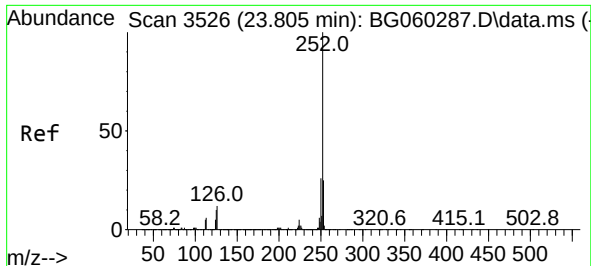
Ion Ratio Lower Upper

252 100

253 22.9 20.0 30.0

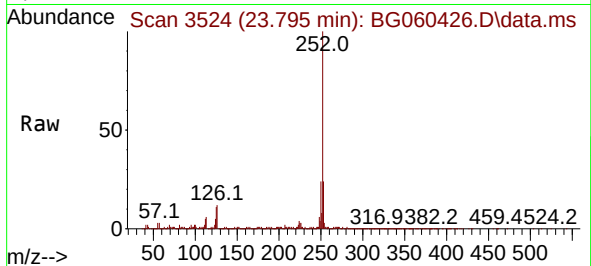
125 9.6 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 12.512 ng m
RT: 23.795 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

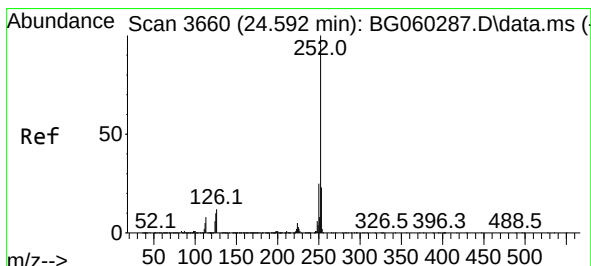
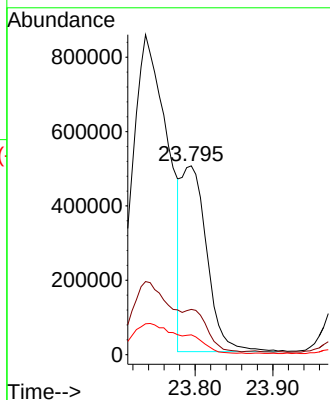
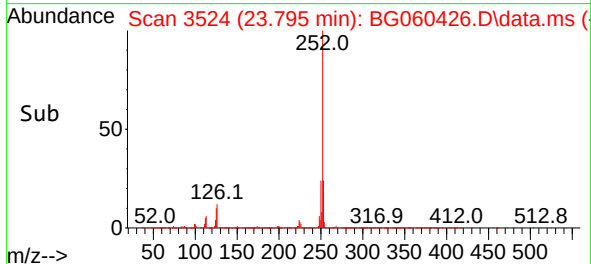
Instrument :
BNA_G
ClientSampleId :
EO-02-012424



Tgt Ion:252 Resp: 1139734
Ion Ratio Lower Upper
252 100
253 24.0 19.6 29.4
125 10.5 8.2 12.2

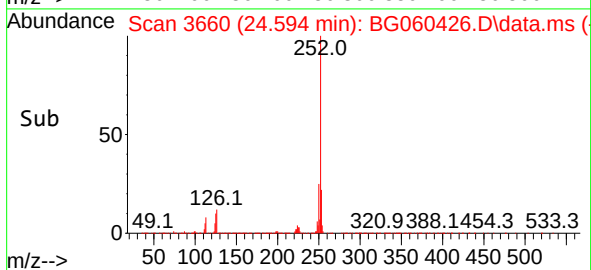
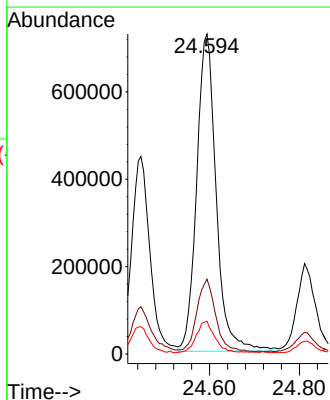
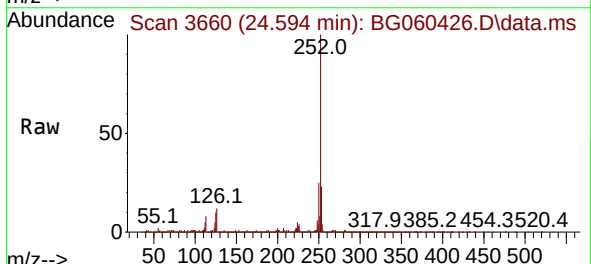
Manual Integrations
APPROVED

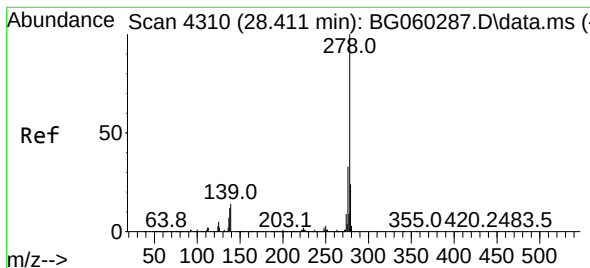
Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#90
Benzo(a)pyrene
Concen: 26.336 ng
RT: 24.594 min Scan# 3660
Delta R.T. 0.002 min
Lab File: BG060426.D
Acq: 25 Jan 2024 13:49

Tgt Ion:252 Resp: 2196124
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 10.3 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 2.785 ng

RT: 28.390 min Scan# 41

Delta R.T. -0.022 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Instrument :

BNL_G

ClientSampleId :

EO-02-012424

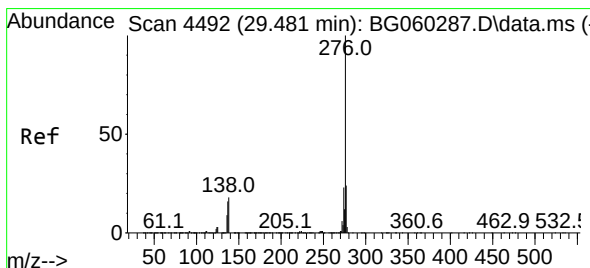
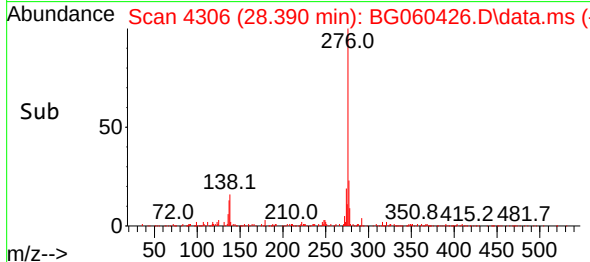
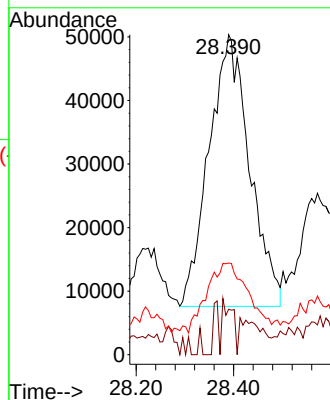
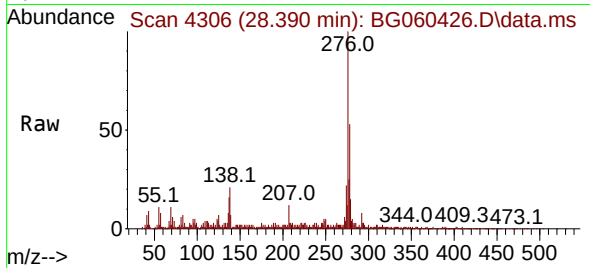
Tgt Ion: 278 Resp: 247120

Ion	Ratio	Lower	Upper
278	100		
139	14.2	10.9	16.3
279	28.7	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/26/2024
Supervised By :mohammad ahmed 01/29/2024



#92

Benzo(g,h,i)perylene

Concen: 10.868 ng

RT: 29.471 min Scan# 4490

Delta R.T. -0.010 min

Lab File: BG060426.D

Acq: 25 Jan 2024 13:49

Tgt Ion: 276 Resp: 988348

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.0
138	18.0	14.2	21.4

