

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061127.D
 Acq On : 6 May 2024 19:35
 Operator : MA/JU
 Sample : P2386-03 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-050324-B

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

Quant Time: May 07 01:33:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	29389	20.000	ng	-0.02
21) Naphthalene-d8	10.731	136	109533	20.000	ng	-0.03
39) Acenaphthene-d10	14.567	164	81486	20.000	ng	-0.02
64) Phenanthrene-d10	17.317	188	176671	20.000	ng	-0.02
76) Chrysene-d12	21.577	240	171563	20.000	ng	-0.02
86) Perylene-d12	24.709	264	127361m	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	18296	12.661	ng	-0.02
7) Phenol-d6	7.112	99	24010	11.232	ng	-0.02
23) Nitrobenzene-d5	9.092	82	17563	7.949	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	16966	10.416	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	47334	8.590	ng	-0.02
79) Terphenyl-d14	19.932	244	85222	8.261	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.358	178	141126	17.470	ng	98
72) Anthracene	17.446	178	34848	4.323	ng	97
75) Fluoranthene	19.374	202	406064	36.692	ng	99
78) Pyrene	19.732	202	398671	36.551	ng	99
81) Benzo(a)anthracene	21.559	228	238339	21.230	ng	96
83) Chrysene	21.624	228	224200	21.315	ng	97
87) Indeno(1,2,3-cd)pyrene	28.263	276	39047m	4.626	ng	
88) Benzo(b)fluoranthene	23.727	252	161339	22.670	ng	# 95
89) Benzo(k)fluoranthene	23.774	252	101458m	14.818	ng	
90) Benzo(a)pyrene	24.556	252	112447	18.135	ng	# 92

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

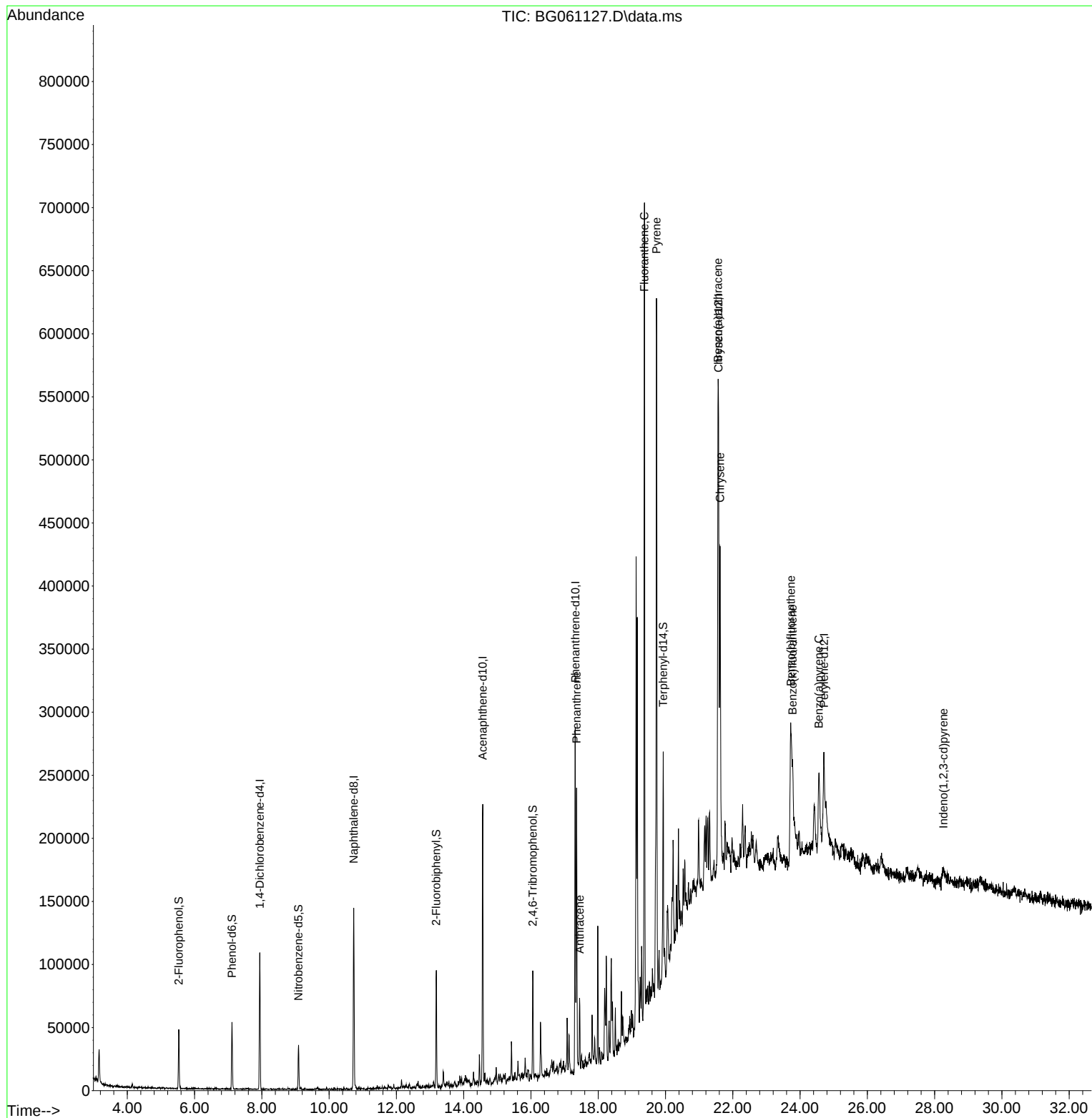
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
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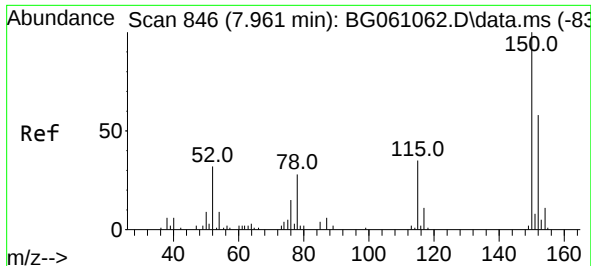
Instrument :
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EO-01-050324-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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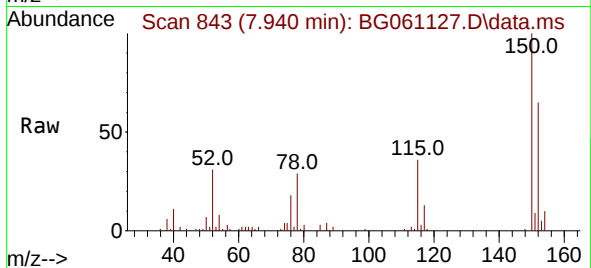
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 84
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-B

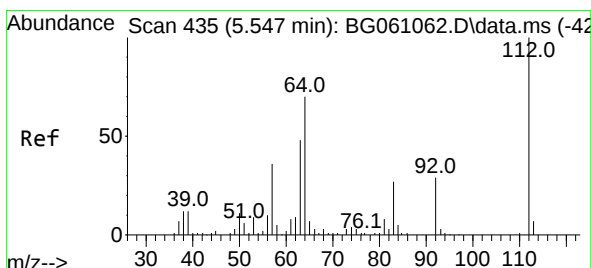
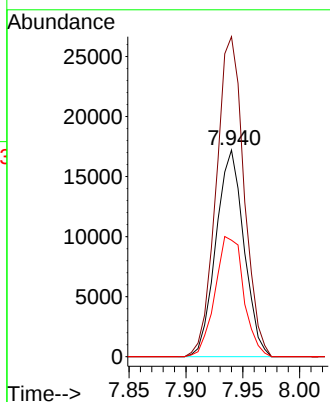
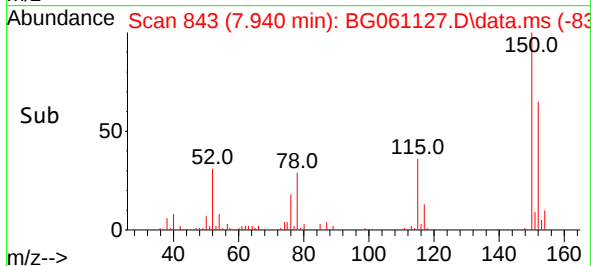


Tgt Ion:152 Resp: 29389
Ion Ratio Lower Upper
152 100
150 154.9 138.3 207.5
115 56.4 48.0 72.0

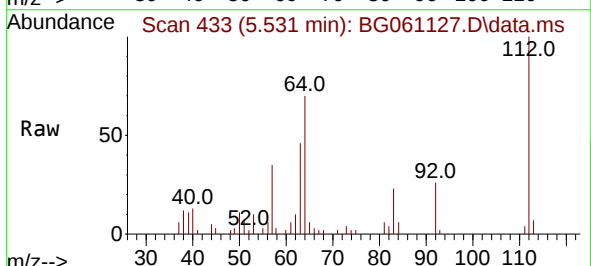
Manual Integrations

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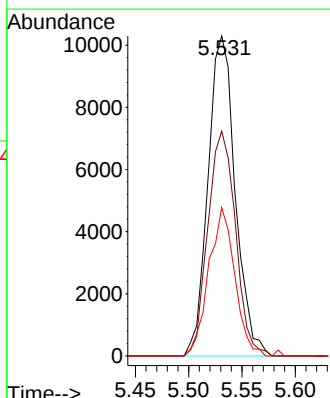
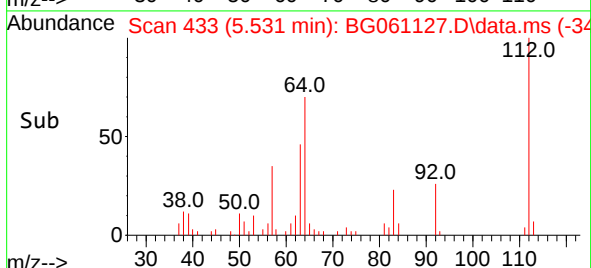
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#5
2-Fluorophenol
Concen: 12.661 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.016 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35



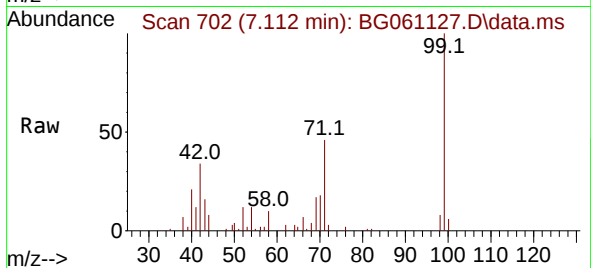
Tgt Ion:112 Resp: 18296
Ion Ratio Lower Upper
112 100
64 70.3 55.7 83.5
63 46.4 38.1 57.1





#7
Phenol-d6
Concen: 11.232 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

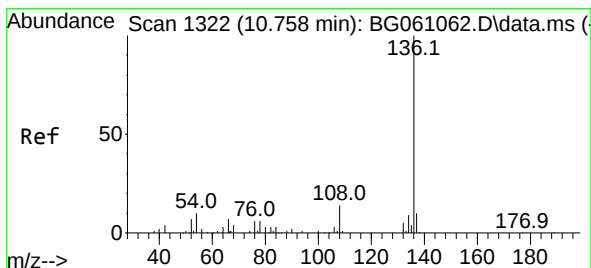
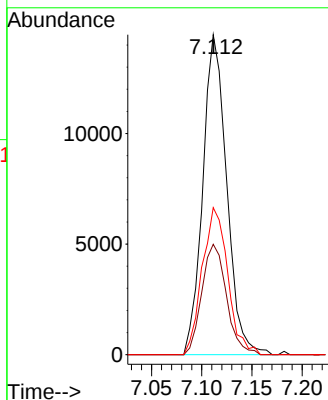
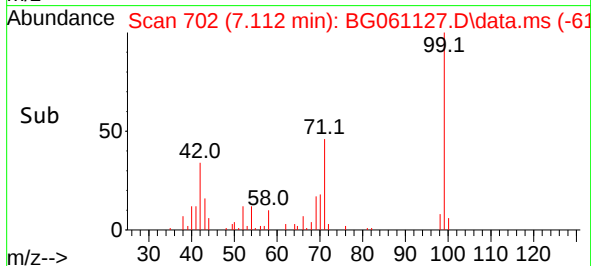
Instrument :
BNA_G
ClientSampleId :
EO-01-050324-B



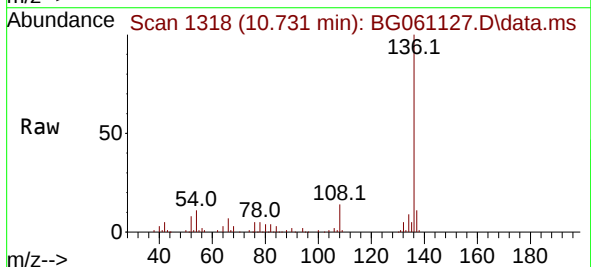
Tgt Ion: 99 Resp: 24010
Ion Ratio Lower Upper
99 100
42 34.5 29.2 43.8
71 46.0 39.7 59.5

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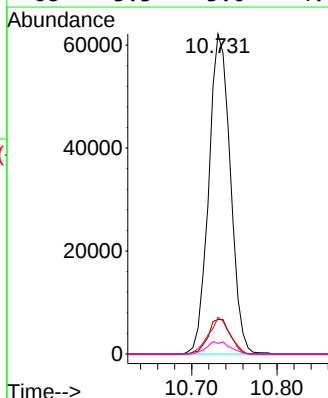
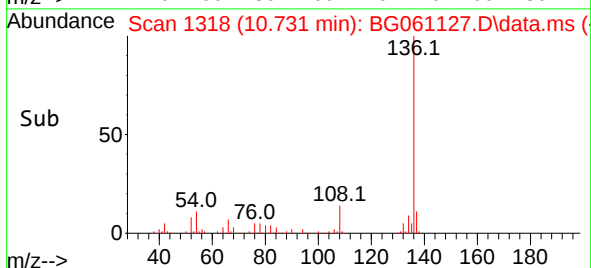
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1318
Delta R.T. -0.027 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35



Tgt Ion:136 Resp: 109533
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 11.4 8.1 12.1
68 3.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 7.949 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.027 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-B

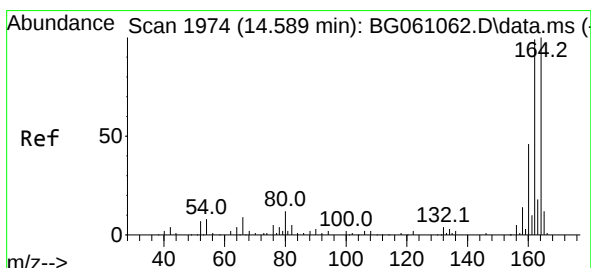
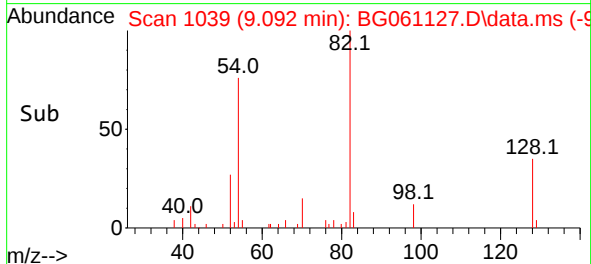
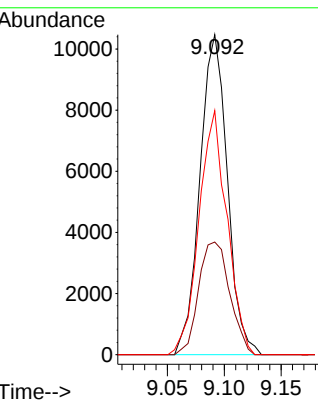
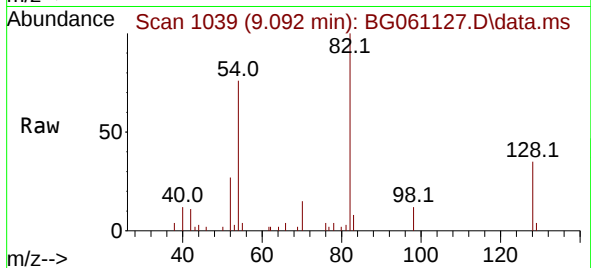
Tgt Ion: 82 Resp: 1756

Ion	Ratio	Lower	Upper
82	100		
128	35.2	32.7	49.1
54	76.2	65.6	98.4

Manual Integrations

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Supervised By :mohammad ahmed 05/08/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.567 min Scan# 1971

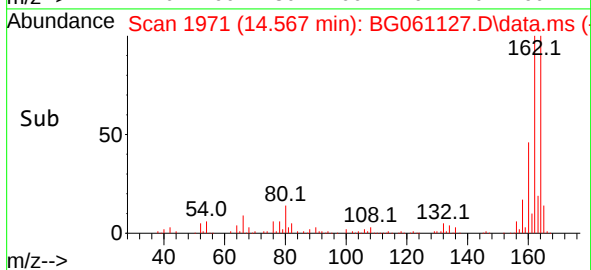
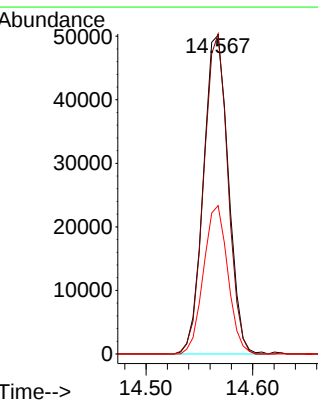
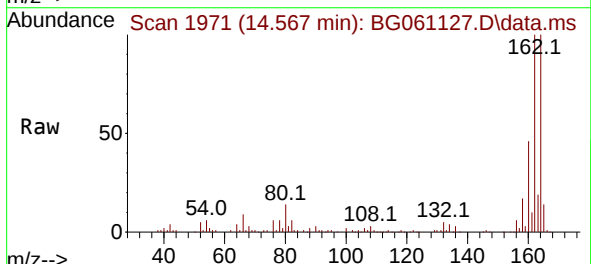
Delta R.T. -0.021 min

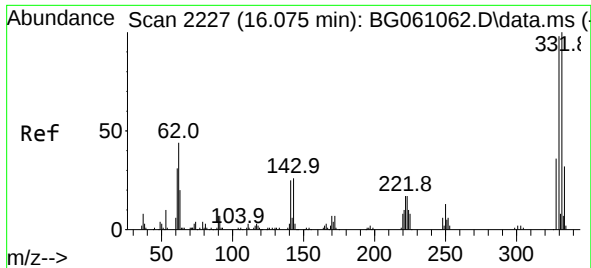
Lab File: BG061127.D

Acq: 6 May 2024 19:35

Tgt Ion:164 Resp: 81486

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.2
160	46.5	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 10.416 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

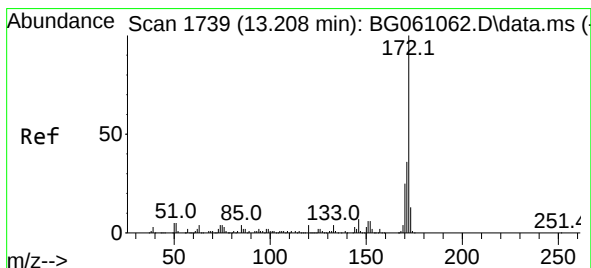
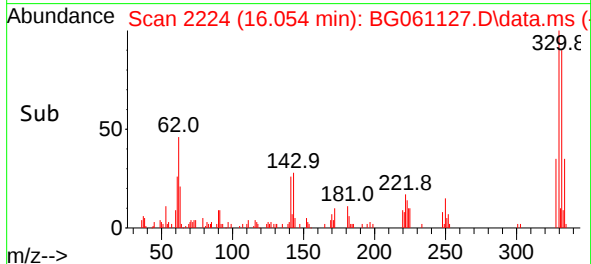
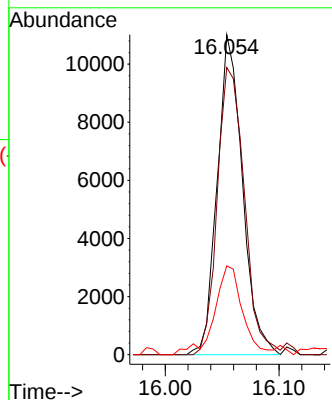
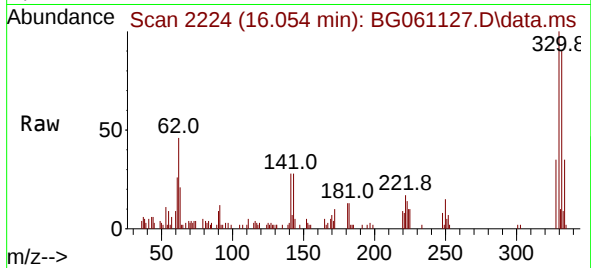
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Tgt Ion:330 Resp: 1696
Ion Ratio Lower Upper
330 100
332 96.1 78.6 117.8
141 30.7 20.5 30.7

Manual Integrations

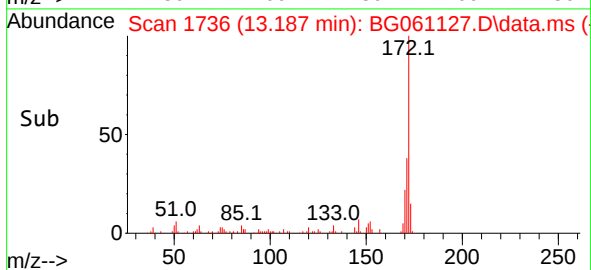
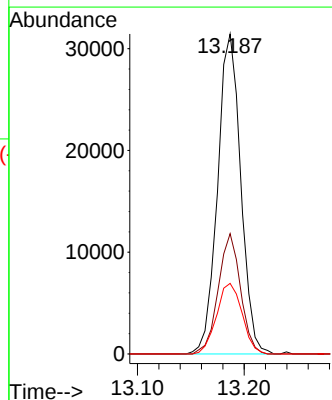
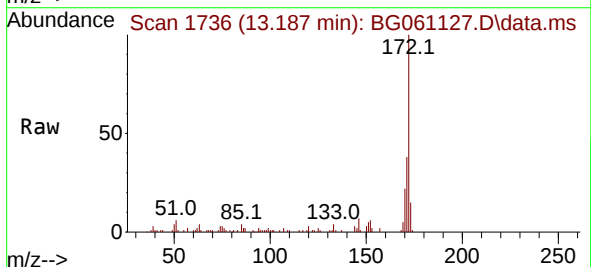
APPROVED

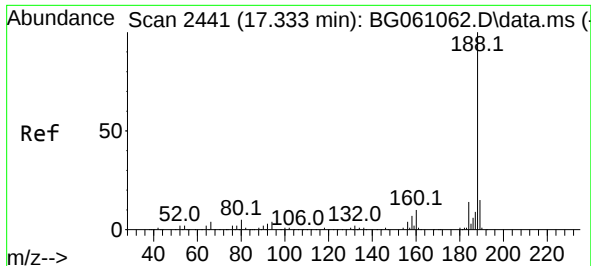
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#45
2-Fluorobiphenyl
Concen: 8.590 ng
RT: 13.187 min Scan# 1736
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:172 Resp: 47334
Ion Ratio Lower Upper
172 100
171 37.6 29.0 43.6
170 22.0 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.317 min Scan# 2439
Delta R.T. -0.016 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

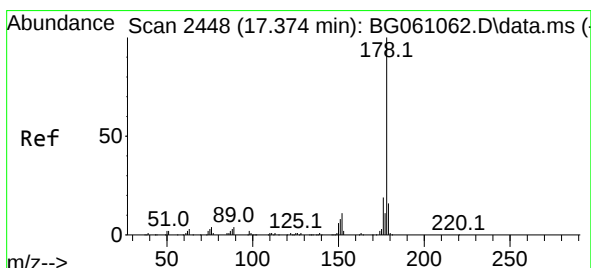
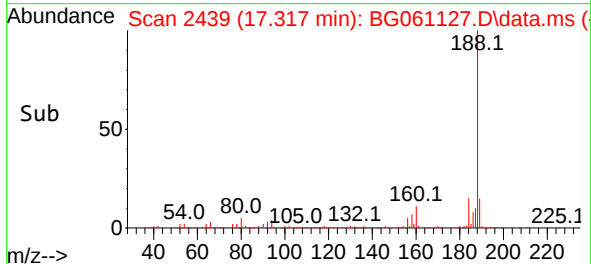
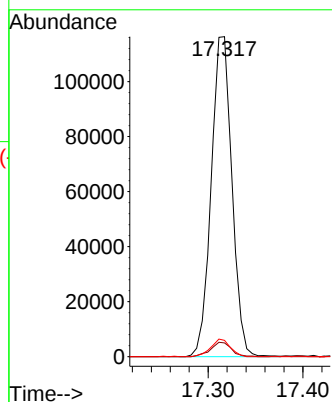
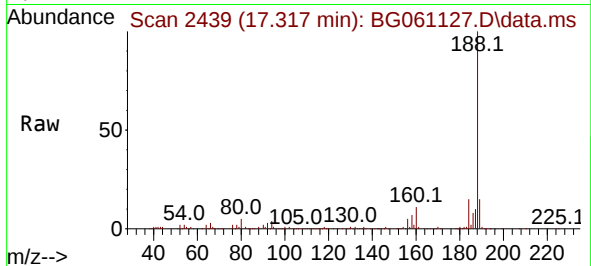
EO-01-050324-B

Tgt Ion:188 Resp: 17667
Ion Ratio Lower Upper
188 100
94 4.3 3.6 5.4
80 5.1 4.2 6.2

Manual Integrations

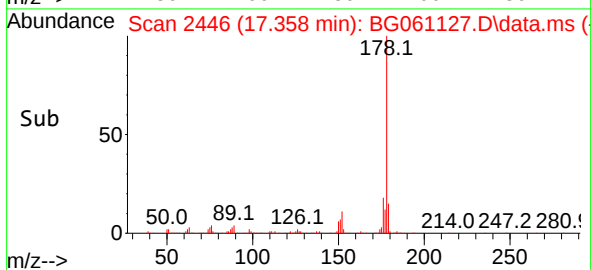
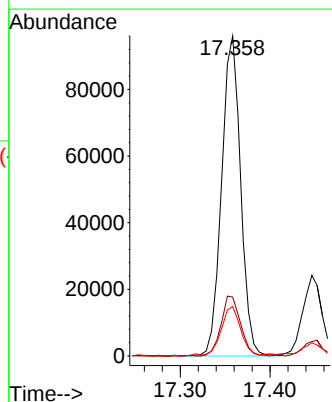
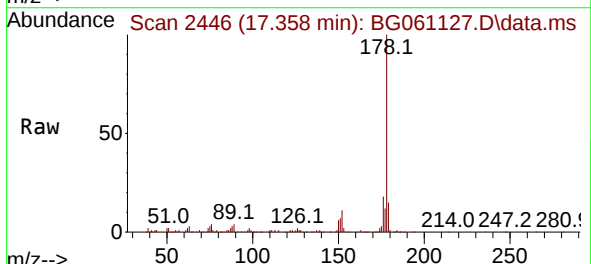
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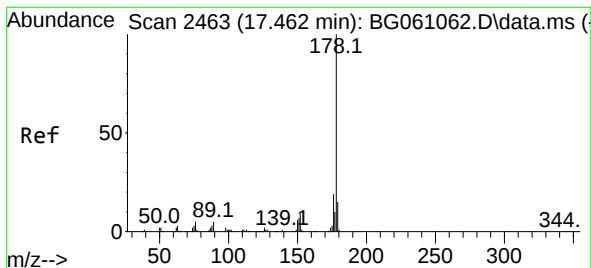
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#71
Phenanthrene
Concen: 17.470 ng
RT: 17.358 min Scan# 2446
Delta R.T. -0.016 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:178 Resp: 141126
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.4 12.6 19.0





#72

Anthracene

Concen: 4.323 ng

RT: 17.446 min Scan# 2461

Delta R.T. -0.016 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

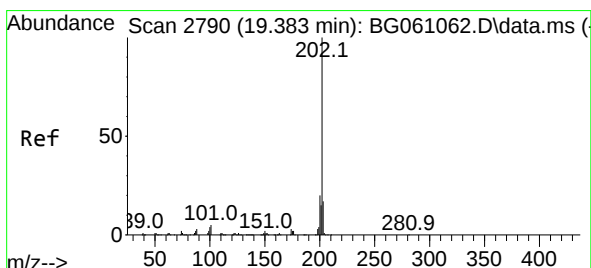
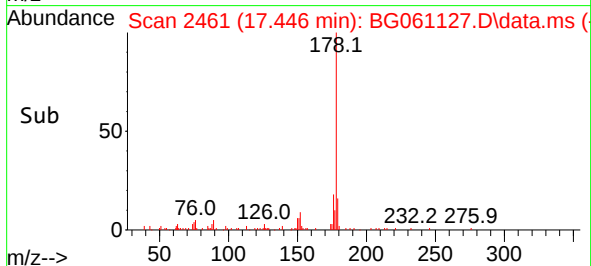
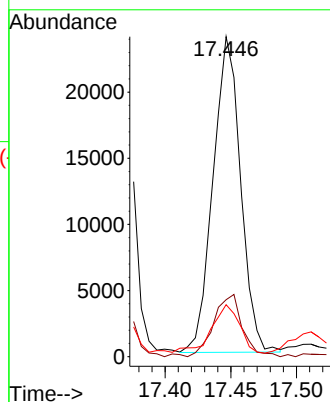
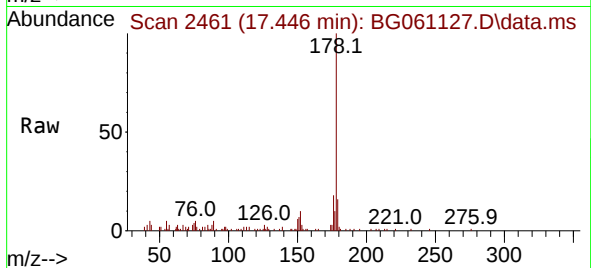
EO-01-050324-B

Tgt Ion:178	Resp:	3484
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.0 22.6
179	16.3	12.0 18.0

Manual Integrations

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#75

Fluoranthene

Concen: 36.692 ng

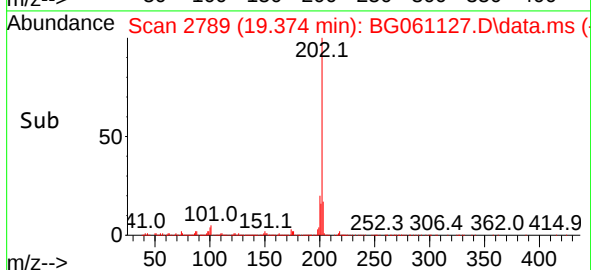
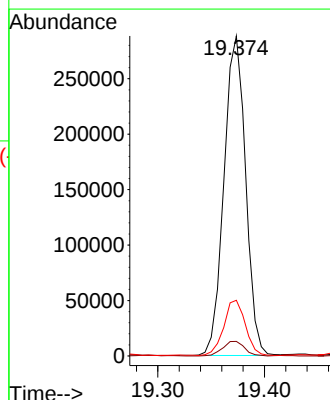
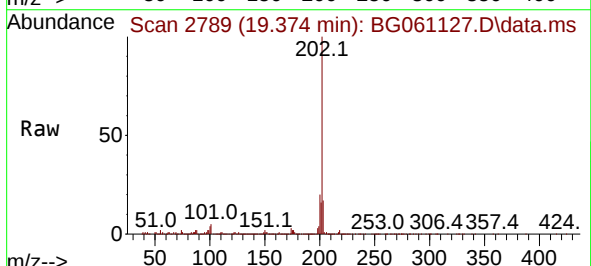
RT: 19.374 min Scan# 2789

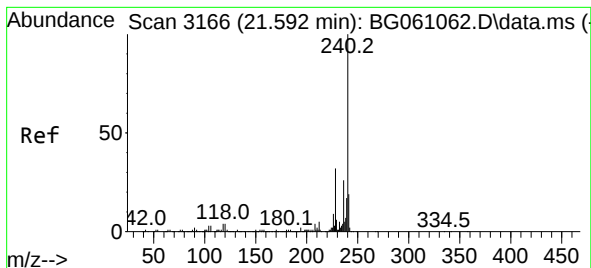
Delta R.T. -0.010 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Tgt Ion:202	Resp:	406064
Ion Ratio	Lower	Upper
202	100	
101	4.6	0.0 24.7
203	17.4	0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.577 min Scan# 3166

Delta R.T. -0.016 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

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EO-01-050324-B

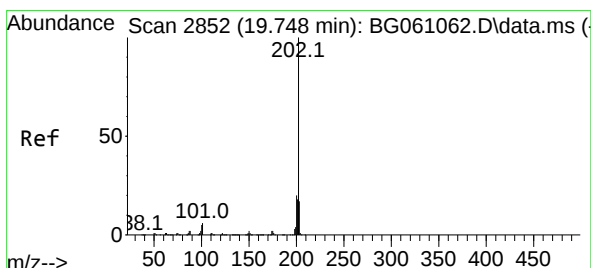
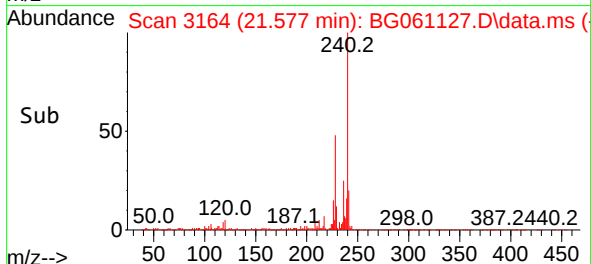
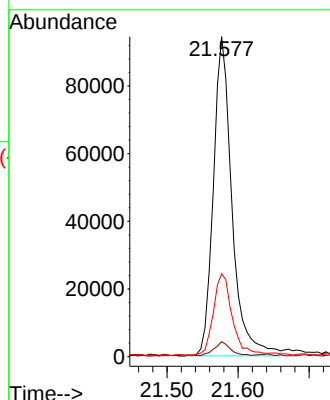
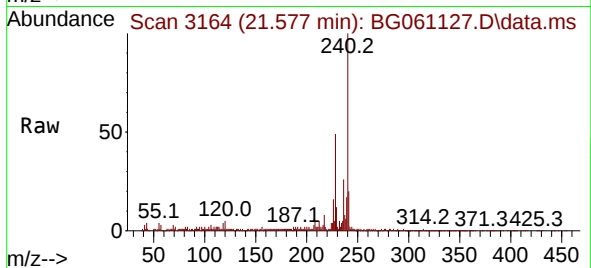
Tgt Ion:240 Resp: 17156

Ion	Ratio	Lower	Upper
240	100		
120	4.7	3.2	4.8
236	25.9	21.0	31.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#78

Pyrene

Concen: 36.551 ng

RT: 19.732 min Scan# 2850

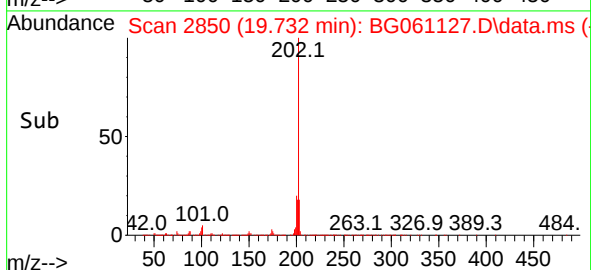
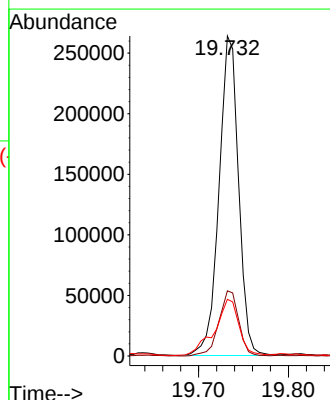
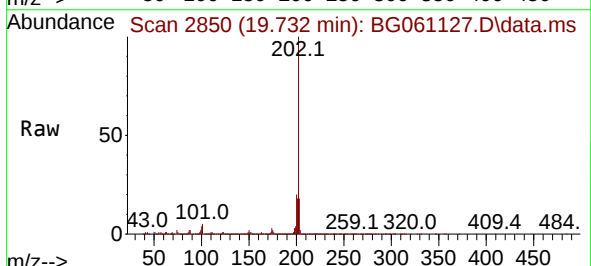
Delta R.T. -0.016 min

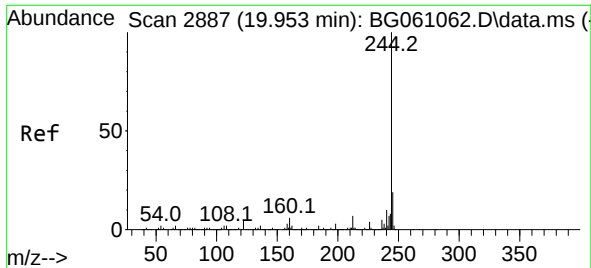
Lab File: BG061127.D

Acq: 6 May 2024 19:35

Tgt Ion:202 Resp: 398671

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.7	13.3	19.9





#79
 Terphenyl-d14
 Concen: 8.261 ng
 RT: 19.932 min Scan# 21
 Delta R.T. -0.021 min
 Lab File: BG061127.D
 Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

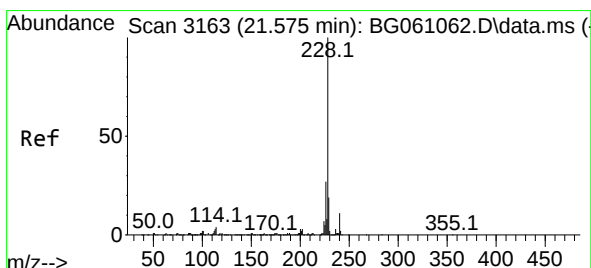
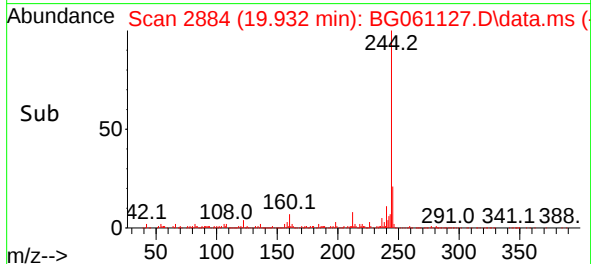
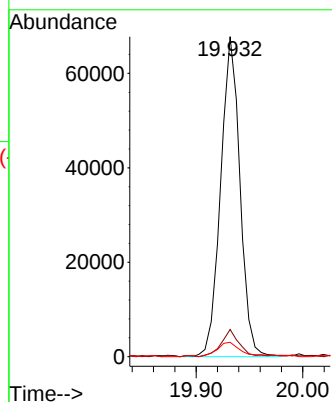
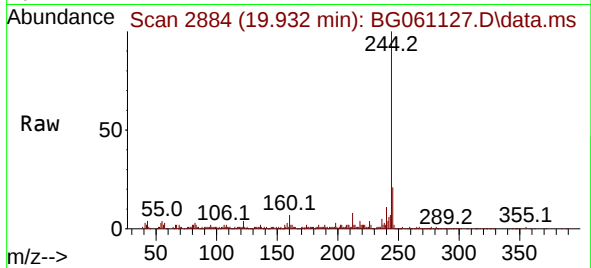
EO-01-050324-B

Tgt Ion:244 Resp: 8522
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.7 8.5
 122 4.5 4.2 6.2

Manual Integrations

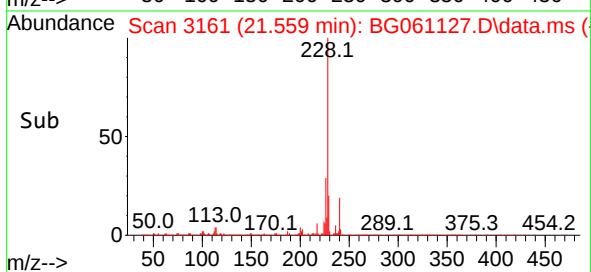
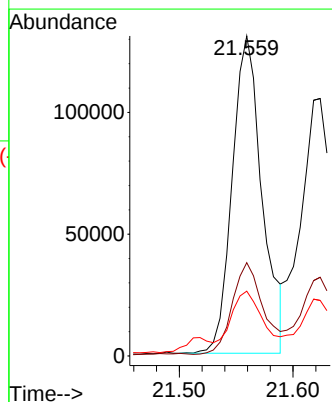
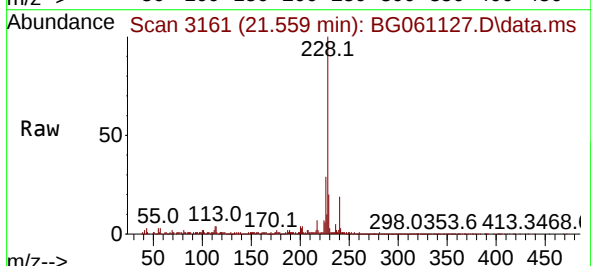
APPROVED

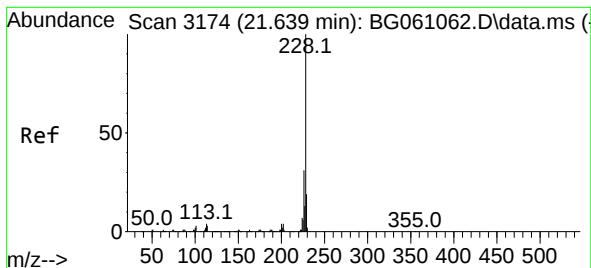
Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024



#81
 Benzo(a)anthracene
 Concen: 21.230 ng
 RT: 21.559 min Scan# 3161
 Delta R.T. -0.016 min
 Lab File: BG061127.D
 Acq: 6 May 2024 19:35

Tgt Ion:228 Resp: 238339
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 20.3 15.0 22.4





#83

Chrysene

Concen: 21.315 ng

RT: 21.624 min Scan# 3174

Delta R.T. -0.016 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

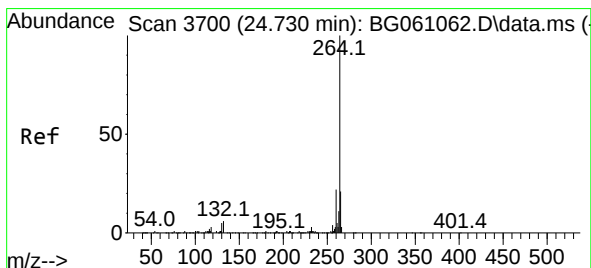
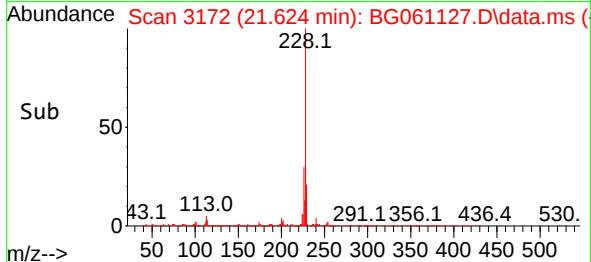
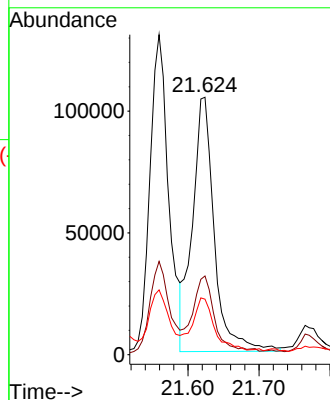
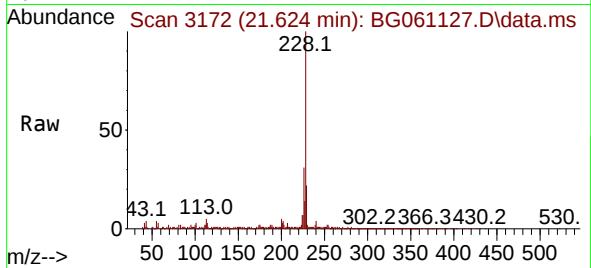
EO-01-050324-B

Tgt Ion:	228	Resp:	224200
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.4	36.6
229	21.6	14.8	22.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#86

Perylene-d12

Concen: 20.000 ng m

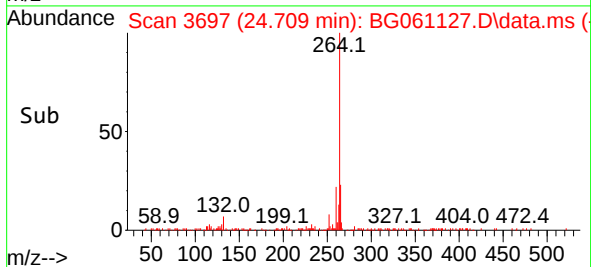
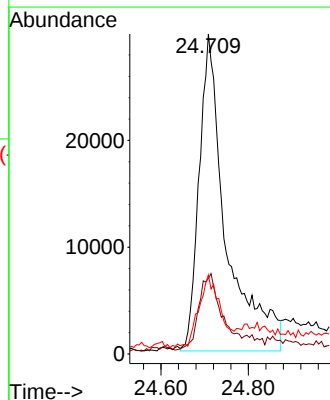
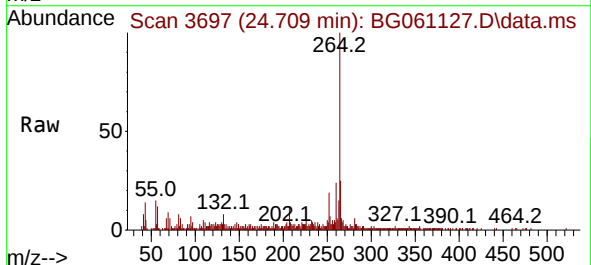
RT: 24.709 min Scan# 3697

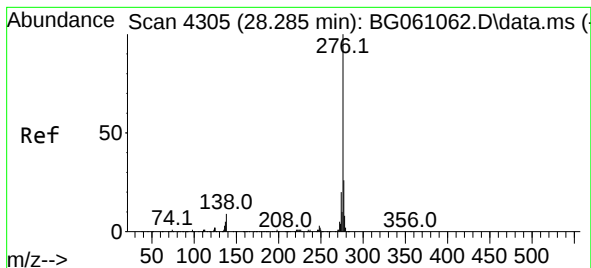
Delta R.T. -0.021 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Tgt Ion:	264	Resp:	127361
Ion Ratio	Lower	Upper	
264	100		
260	23.6	17.7	26.5
265	24.7	16.4	24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.626 ng m

RT: 28.263 min Scan# 41

Delta R.T. -0.021 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

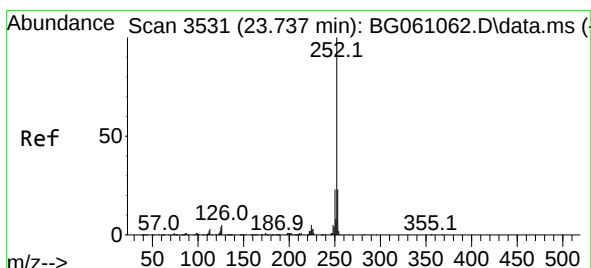
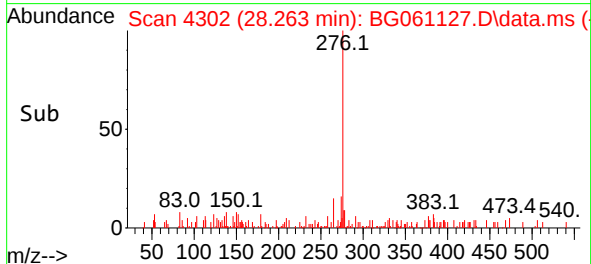
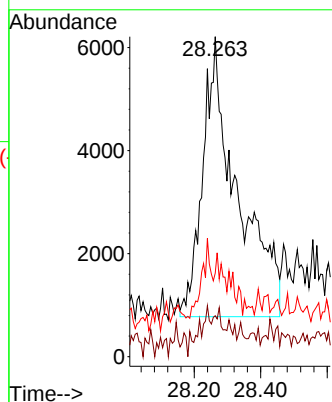
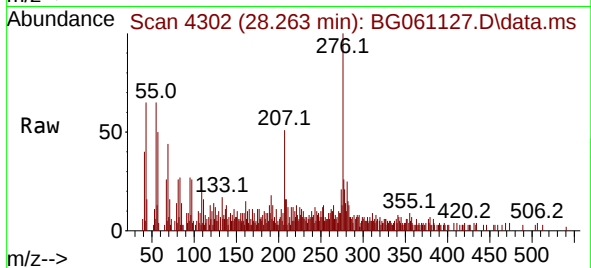
EO-01-050324-B

Tgt Ion:	276	Resp:	3904
Ion Ratio	Lower	Upper	
276	100		
138	0.0	5.1	7.7
277	2.4	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#88

Benzo(b)fluoranthene

Concen: 22.670 ng

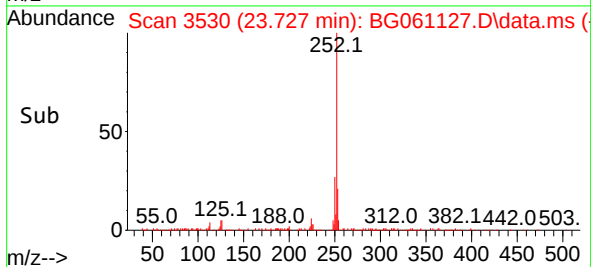
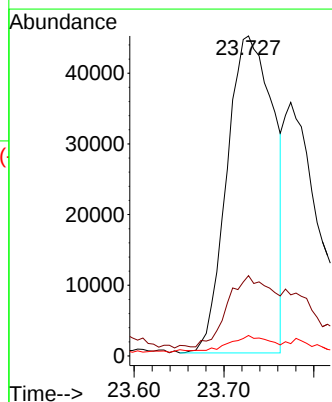
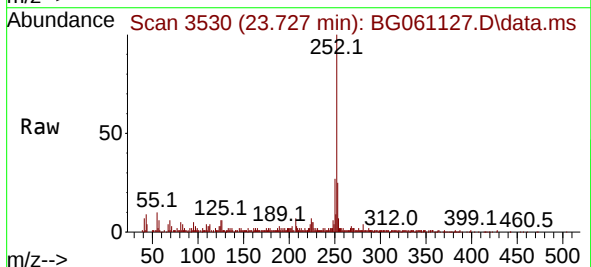
RT: 23.727 min Scan# 3530

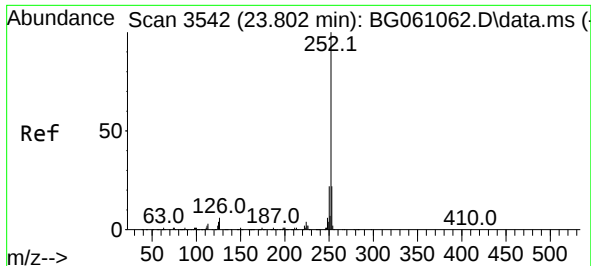
Delta R.T. -0.010 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

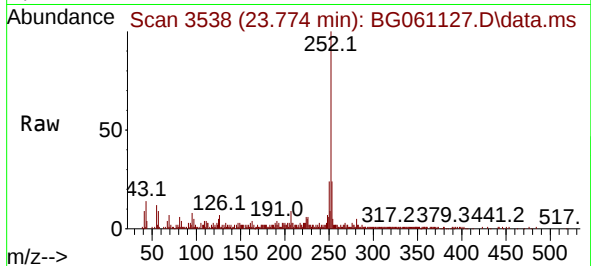
Tgt Ion:	252	Resp:	161339
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.2	27.2
125	6.4	3.4	5.0





#89
Benzo(k)fluoranthene
Concen: 14.818 ng m
RT: 23.774 min Scan# 3538
Delta R.T. -0.027 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

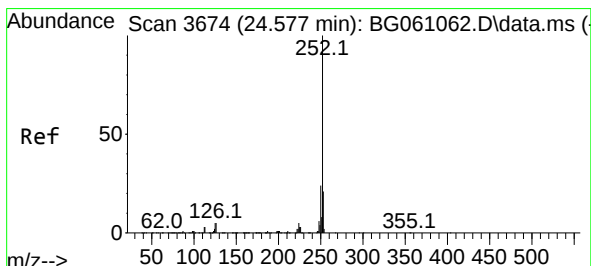
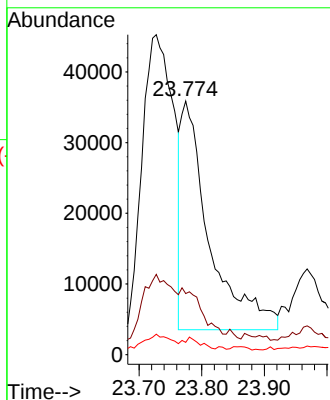
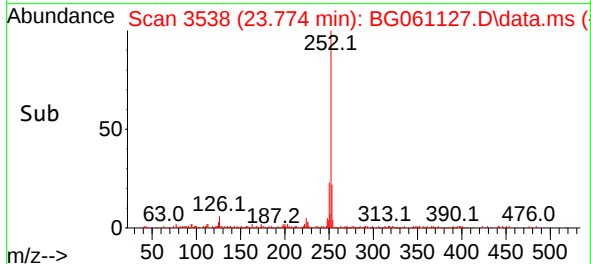
Instrument :
BNA_G
ClientSampleId :
EO-01-050324-B



Tgt Ion:252 Resp: 101458
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 4.9 3.2 4.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#90
Benzo(a)pyrene
Concen: 18.135 ng
RT: 24.556 min Scan# 3671
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:252 Resp: 112447
Ion Ratio Lower Upper
252 100
253 25.0 16.9 25.3
125 6.8 3.8 5.8

