

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
 Data File : BG063835.D
 Acq On : 26 Dec 2024 15:08
 Operator : RC/JU
 Sample : P5333-11DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2913DL

Quant Time: Dec 27 02:18:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 24 00:44:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
 Supervised By :mohammad ahmed 12/30/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.794	152	73820	20.000	ng/ul	0.00
20) Naphthalene-d8	10.585	136	317429	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.439	164	262792	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.195	188	663269	20.000	ng/ul	0.00
79) Chrysene-d12	21.442	240	692813	20.000	ng/ul	0.00
88) Perylene-d12	24.457	264	729566	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	6.989	99	22503	3.310	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.130	67	15218m	3.241	ng/ul	0.00
11) 2-Chlorophenol-d4	7.335	132	14684	3.336	ng/ul	0.00
15) 4-Methylphenol-d8	8.522	113	16413	3.109	ng/ul	0.00
21) Nitrobenzene-d5	8.957	128	7126	3.144	ng/ul	0.00
24) 2-Nitrophenol-d4	9.680	143	9534m	3.753	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.238	165	17843	3.627	ng/ul	0.02
31) 4-Chloroaniline-d4	10.732	131	12526m	2.006	ng/ul	0.00
46) Dimethylphthalate-d6	13.851	166	30028	1.679	ng/ul	0.00
49) Acenaphthylene-d8	14.128	160	74161	3.638	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.438	176	57137	3.614	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.289	188	110199	3.864	ng/ul	0.00
81) Pyrene-d10	19.592	212	110101	3.054	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.251	264	78219	2.283	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.637	128	39094	2.463	ng/ul	99
36) 2-Methylnaphthalene	12.259	142	17580	1.541	ng/ul	90
37) 1-Methylnaphthalene	12.477	142	13354	1.149	ng/ul#	81
52) Acenaphthene	14.504	153	88270	5.698	ng/ul	95
56) Dibenzofuran	14.844	168	99913	4.575	ng/ul	96
61) Fluorene	15.491	166	75970	4.356	ng/ul	99
72) Phenanthrene	17.236	178	1532105	47.934	ng/ul	99
74) Anthracene	17.324	178	270231	8.353	ng/ul	98
77) Carbazole	17.600	167	157379	6.010	ng/ul	96
80) Fluoranthene	19.257	202	1693957	41.339	ng/ul	97
82) Pyrene	19.621	202	1337494	30.679	ng/ul	95
85) Benzo(a)anthracene	21.425	228	670037	15.432	ng/ul	97
87) Chrysene	21.484	228	636368m	15.378	ng/ul	
90) Benzo(b)fluoranthene	23.511	252	744469	17.954	ng/ul	98
91) Benzo(k)fluoranthene	23.564	252	237764m	5.748	ng/ul	
93) Benzo(a)pyrene	24.310	252	452840	11.635	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.858	276	299859	6.309	ng/ul	97
95) Dibenzo(a,h)anthracene	27.870	278	86453m	2.273	ng/ul	
96) Benzo(g,h,i)perylene	28.910	276	272004m	7.212	ng/ul	

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

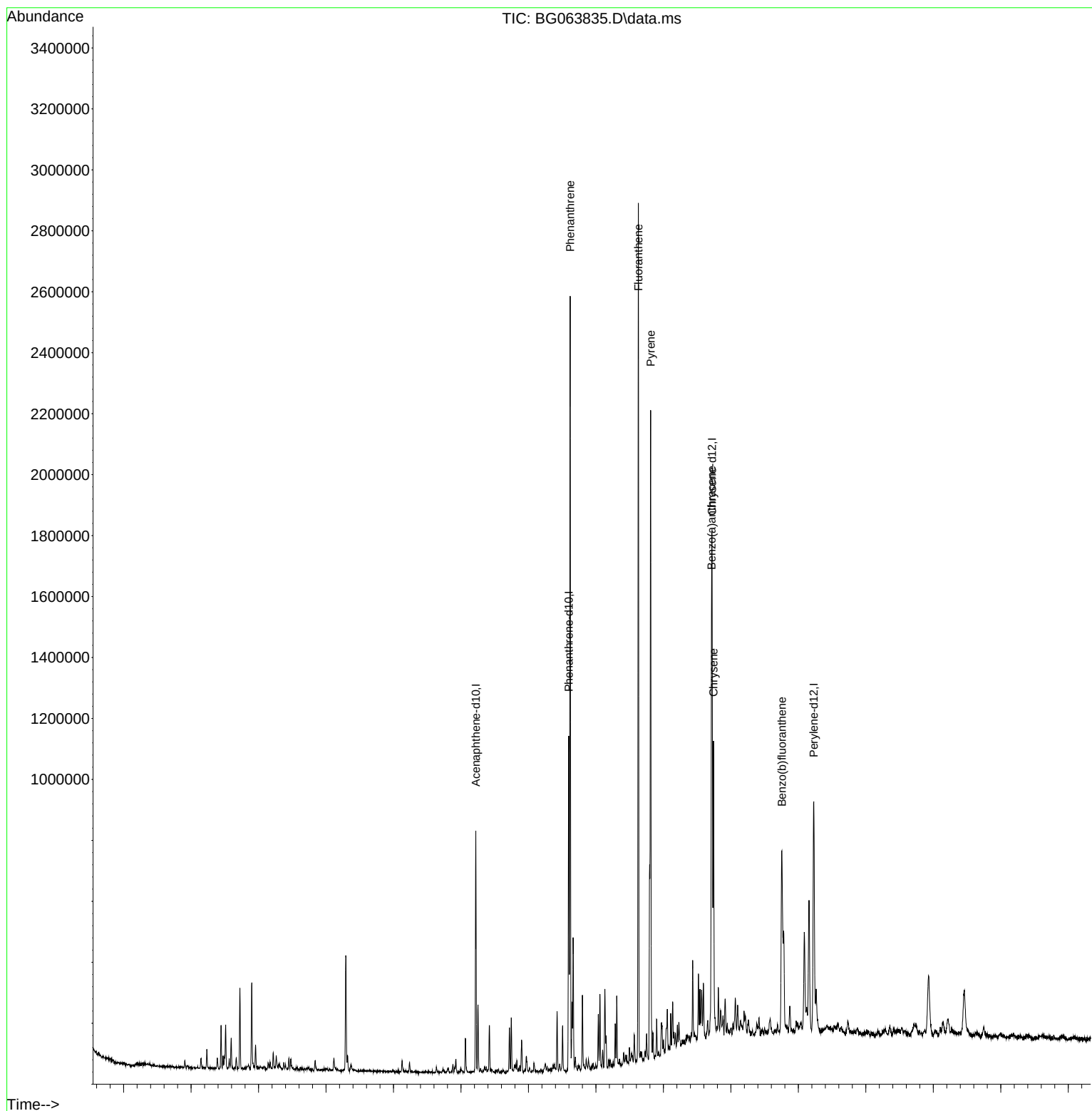
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
Data File : BG063835.D
Acq On : 26 Dec 2024 15:08
Operator : RC/JU
Sample : P5333-11DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

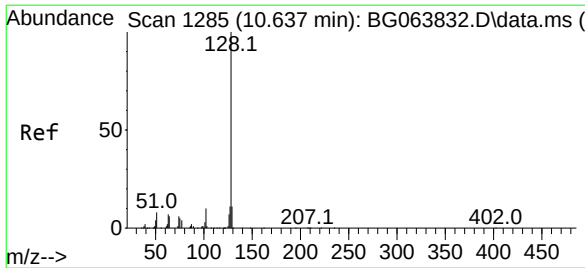
Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 24 00:44:39 2024
Response via : Initial Calibration





#30

Naphthalene

Concen: 2.463 ng/ul

RT: 10.637 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

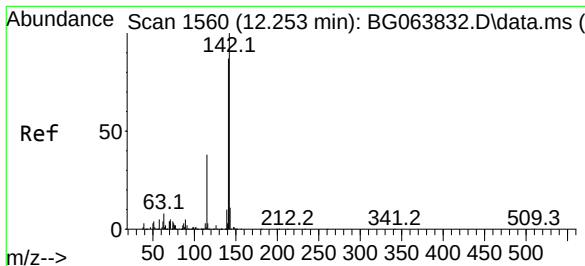
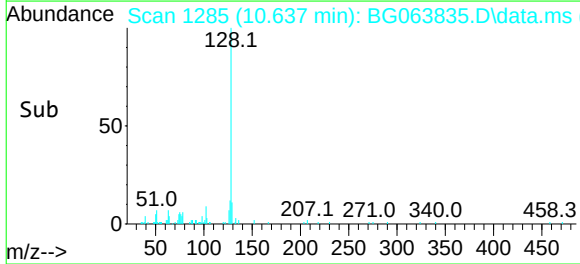
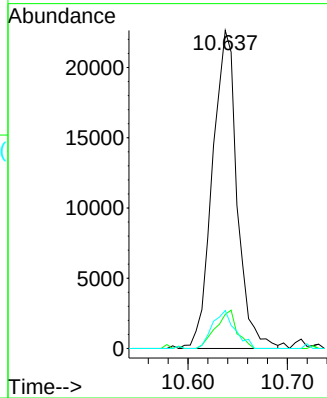
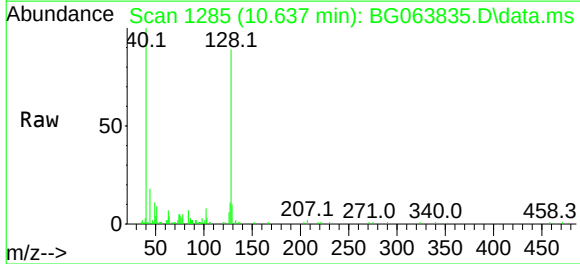
E2913DL

Tgt Ion:	128	Resp:	39094
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.2	12.2
127	11.9	9.8	14.8

Manual Integrations

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#36

2-Methylnaphthalene

Concen: 1.541 ng/ul

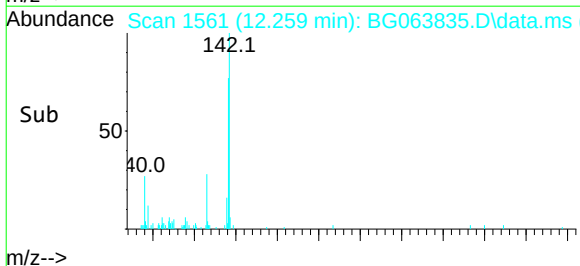
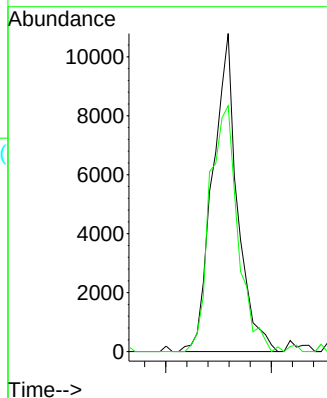
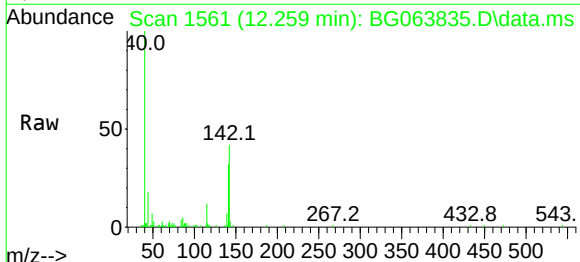
RT: 12.259 min Scan# 1561

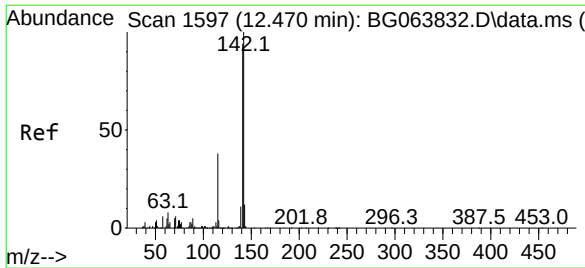
Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Tgt Ion:	142	Resp:	17580
Ion Ratio	Lower	Upper	
142	100		
141	77.3	69.5	104.3





#37

1-Methylnaphthalene

Concen: 1.149 ng/ul

RT: 12.477 min Scan# 1597

Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

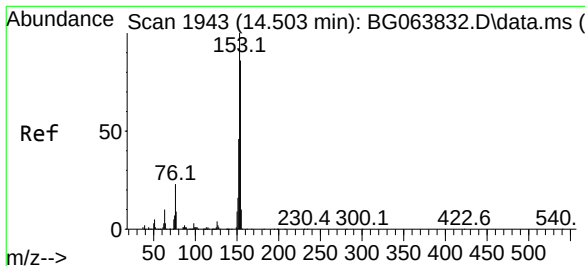
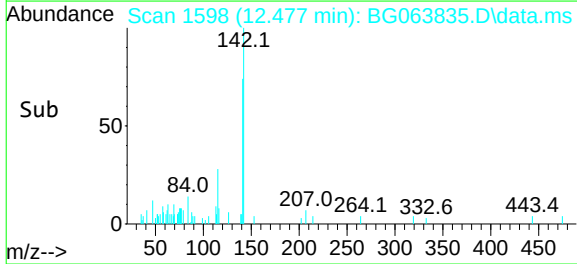
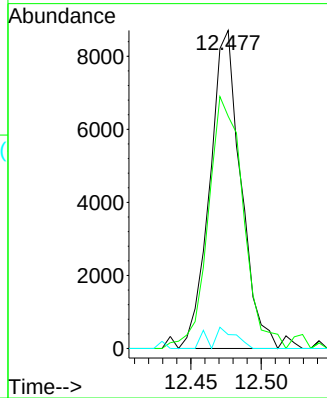
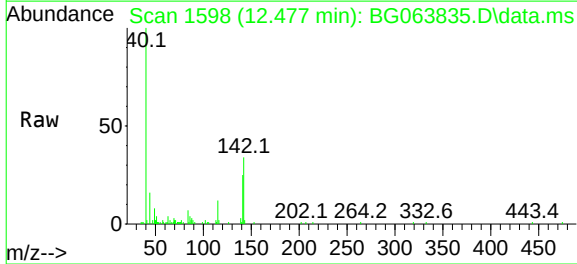
E2913DL

Tgt Ion:	142	Resp:	13354
Ion Ratio	Lower	Upper	
142	100		
141	73.0	73.8	110.6
116	4.4	3.5	5.3

Manual Integrations

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#52

Acenaphthene

Concen: 5.698 ng/ul

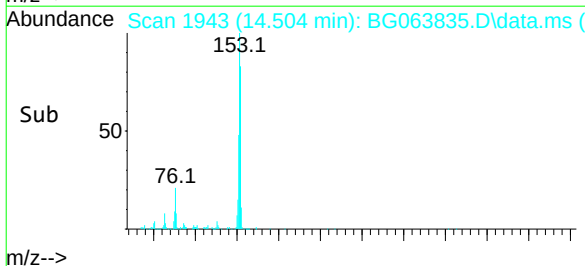
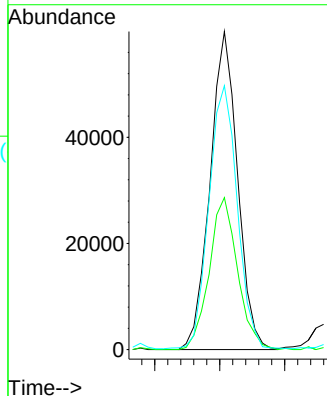
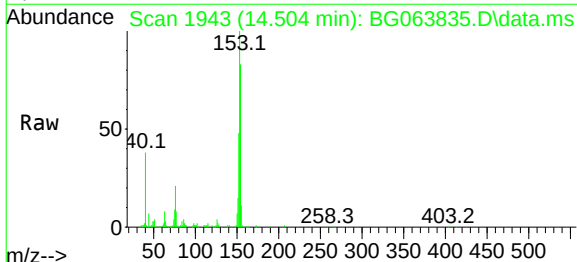
RT: 14.504 min Scan# 1943

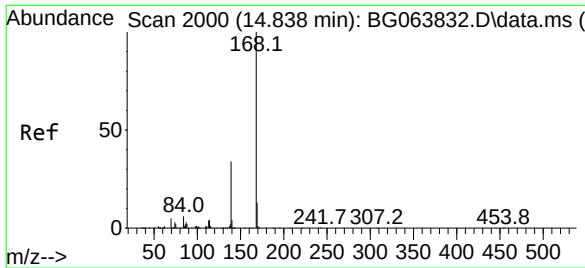
Delta R.T. 0.000 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Tgt Ion:	153	Resp:	88270
Ion Ratio	Lower	Upper	
153	100		
152	47.8	40.2	60.4
154	83.0	70.8	106.2





#56

Dibenzenofuran

Concen: 4.575 ng/u1

RT: 14.844 min Scan# 2000

Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

E2913DL

Tgt Ion:168 Resp: 99913

Ion Ratio Lower Upper

168 100

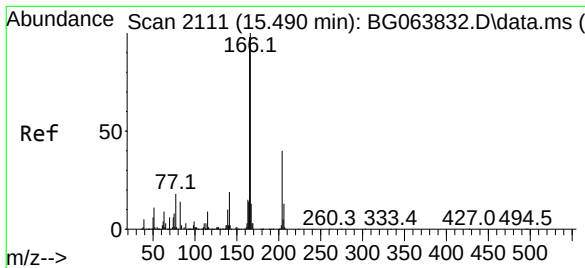
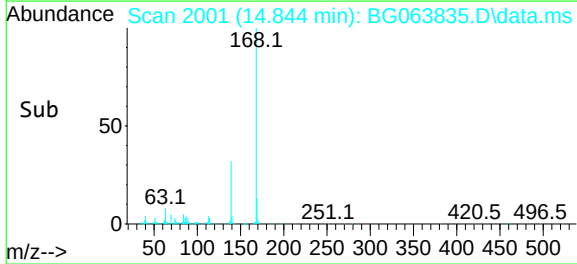
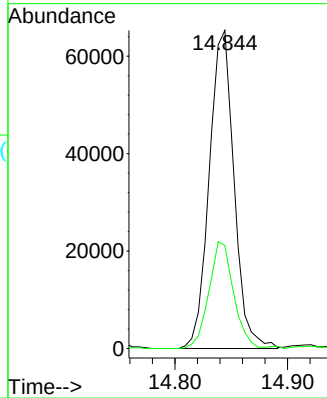
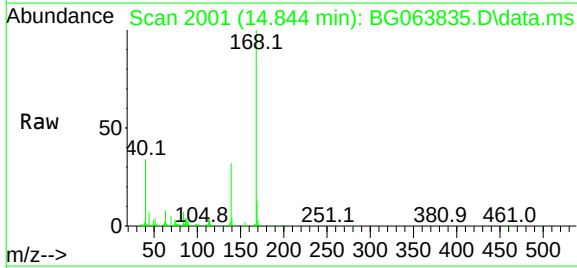
139 32.4 27.8 41.8

Manual Integrations

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#61

Fluorene

Concen: 4.356 ng/u1

RT: 15.491 min Scan# 2111

Delta R.T. -0.000 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

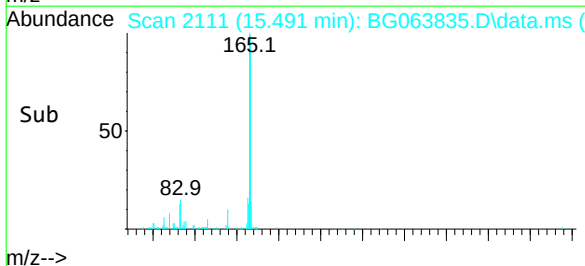
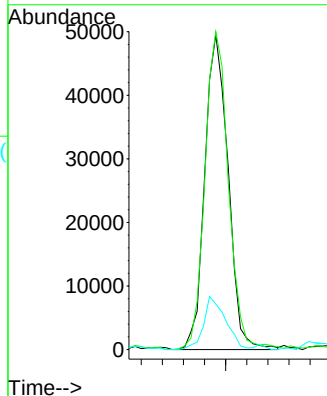
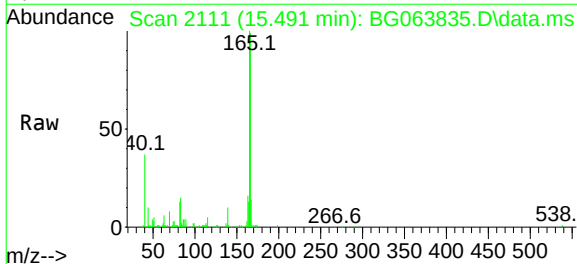
Tgt Ion:166 Resp: 75970

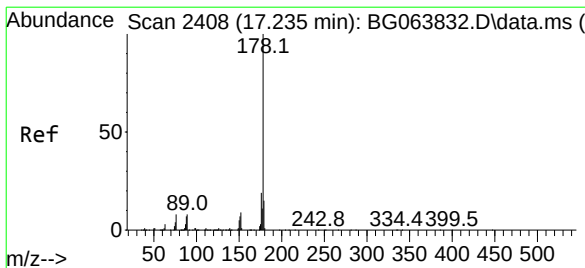
Ion Ratio Lower Upper

166 100

165 101.1 81.9 122.9

167 14.4 11.4 17.0





#72

Phenanthrene

Concen: 47.934 ng/u1

RT: 17.236 min Scan# 2408

Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

E2913DL

Tgt Ion:178 Resp: 1532105

Ion Ratio Lower Upper

178 100

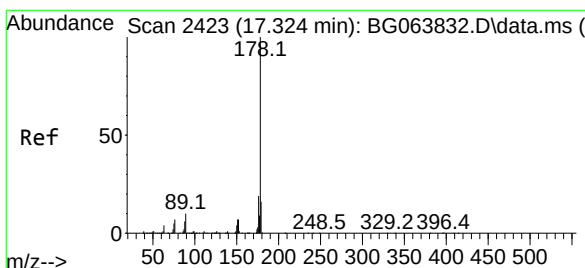
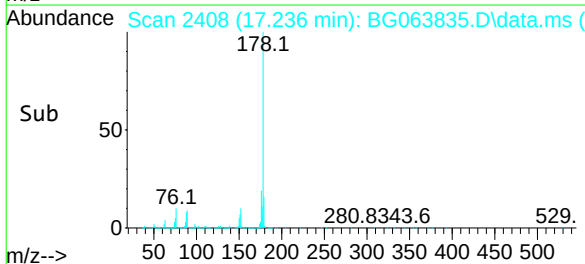
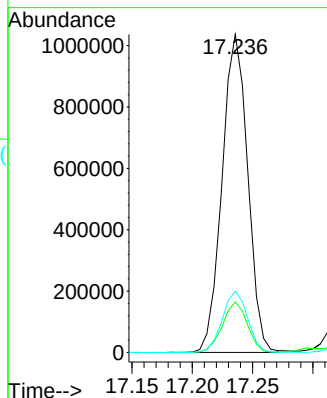
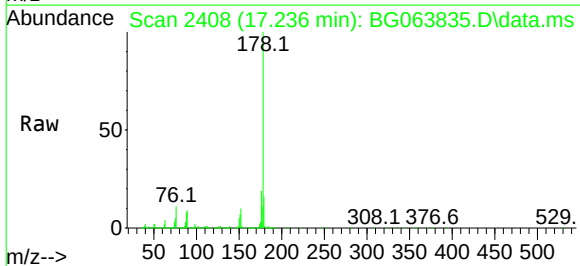
179 15.9 12.2 18.2

176 19.3 15.8 23.6

Manual Integrations

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#74

Anthracene

Concen: 8.353 ng/u1

RT: 17.324 min Scan# 2423

Delta R.T. -0.000 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

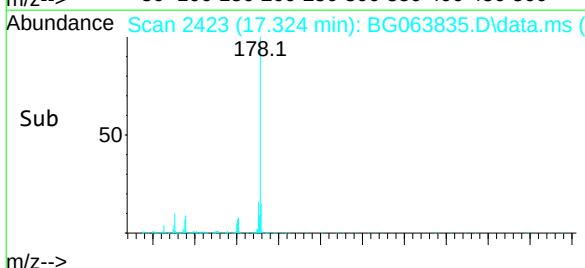
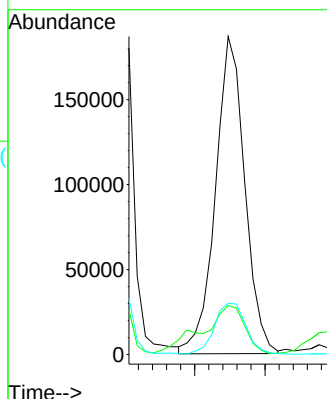
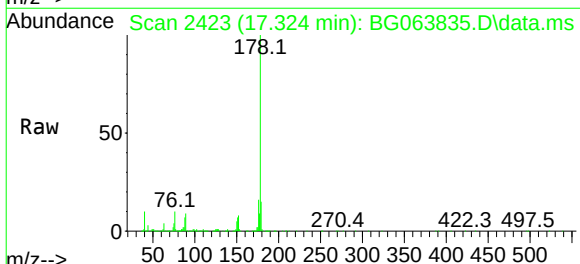
Tgt Ion:178 Resp: 270231

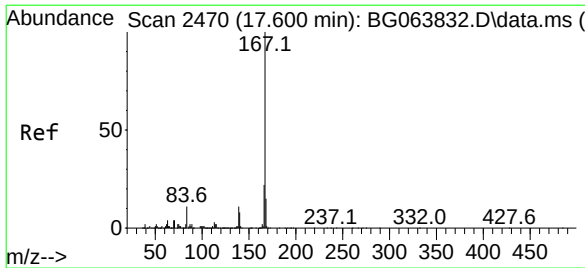
Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 16.1 14.4 21.6





#77

Carbazole

Concen: 6.010 ng/u1

RT: 17.600 min Scan# 2470

Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

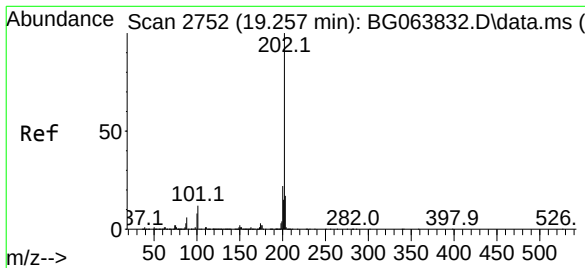
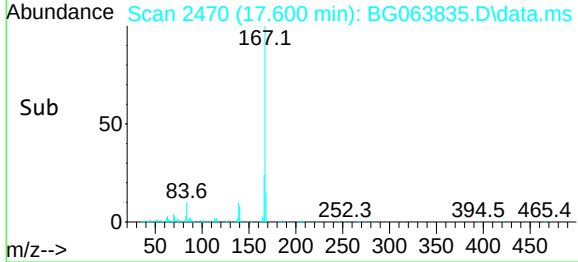
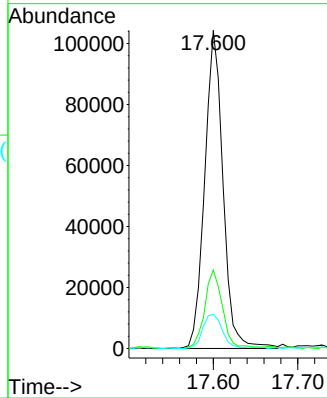
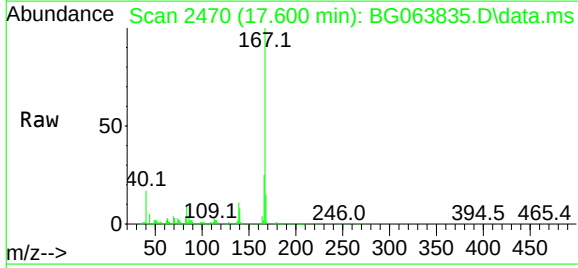
E2913DL

Tgt Ion:	167	Resp:	157379
Ion Ratio	Lower	Upper	
167	100		
166	24.7	18.2	27.4
139	10.7	10.1	15.1

Manual Integrations

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#80

Fluoranthene

Concen: 41.339 ng/u1

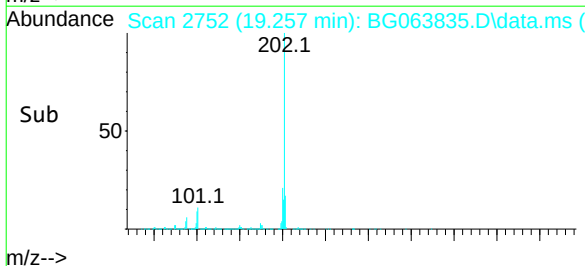
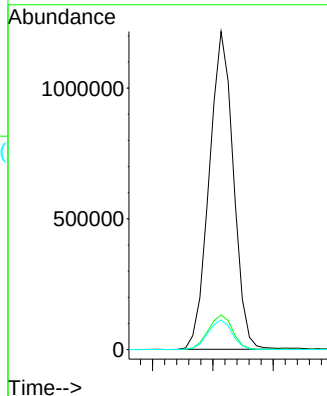
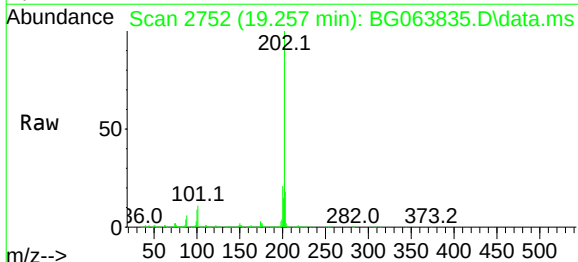
RT: 19.257 min Scan# 2752

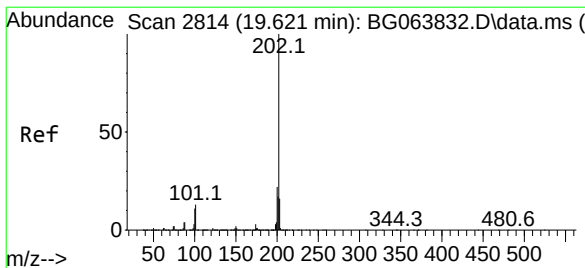
Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Tgt Ion:	202	Resp:	1693957
Ion Ratio	Lower	Upper	
202	100		
101	10.9	8.1	12.1
100	9.3	6.5	9.7





#82

Pyrene

Concen: 30.679 ng/u1

RT: 19.621 min Scan# 2814

Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

E2913DL

Tgt Ion:202 Resp: 1337494

Ion Ratio Lower Upper

202 100

101 12.7 8.7 13.1

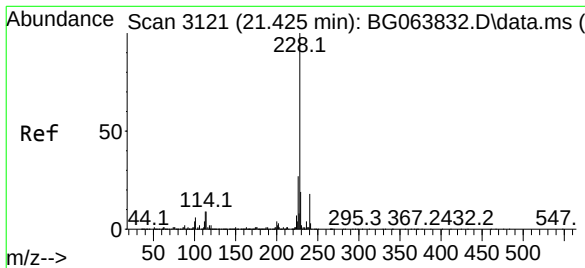
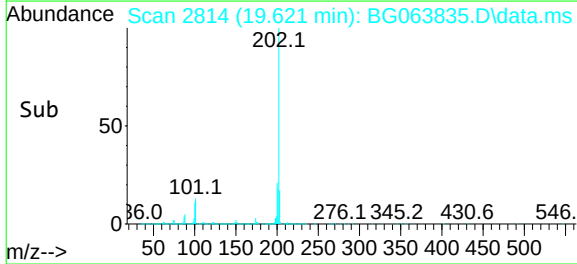
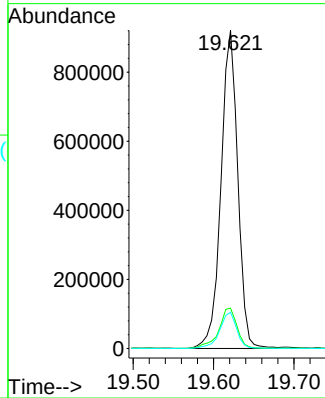
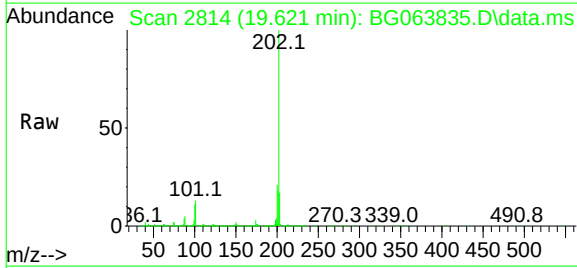
100 11.4 7.8 11.6

Manual Integrations

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Supervised By :mohammad ahmed 12/30/2024



#85

Benzo(a)anthracene

Concen: 15.432 ng/u1

RT: 21.425 min Scan# 3121

Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

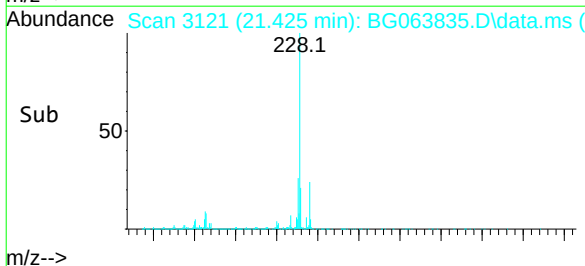
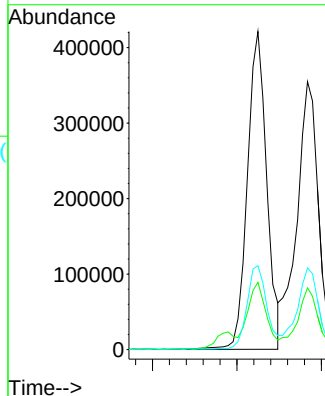
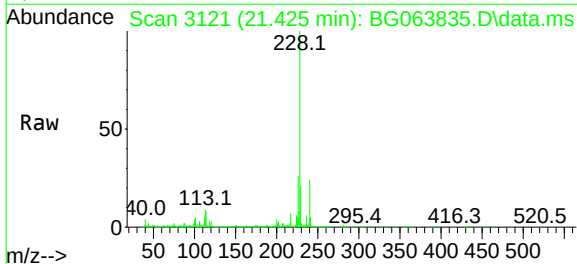
Tgt Ion:228 Resp: 670037

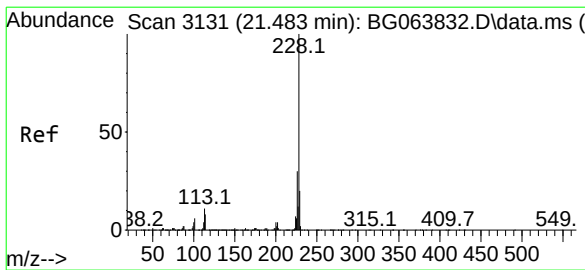
Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

226 26.4 22.0 33.0





#87

Chrysene

Concen: 15.378 ng/u1 m

RT: 21.484 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

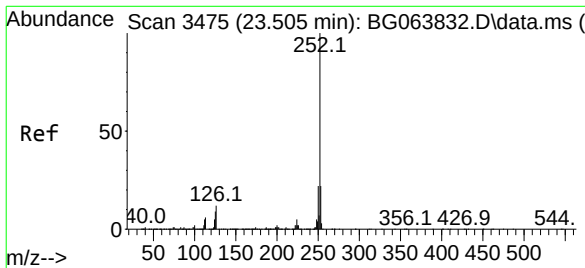
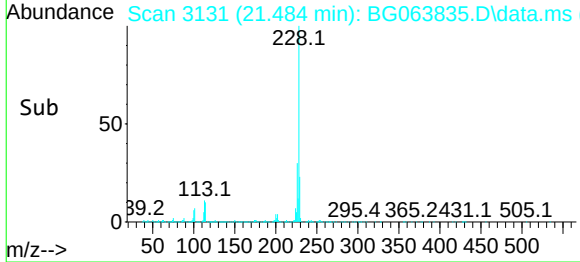
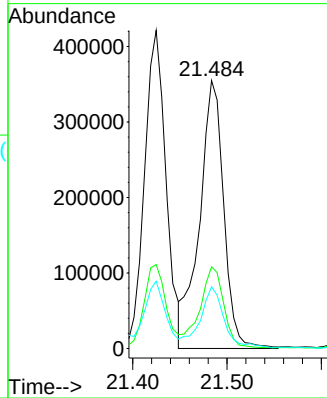
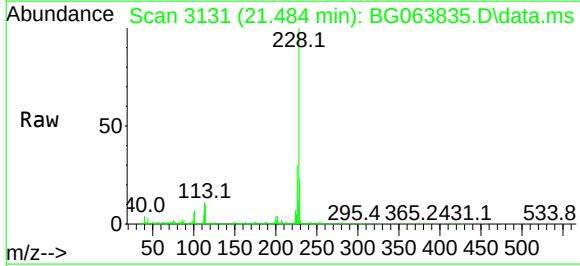
E2913DL

Tgt Ion:228	Resp: 636368
Ion Ratio	Lower Upper
228 100	
226 30.5	23.4 35.0
229 23.0	14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#90

Benzo(b)fluoranthene

Concen: 17.954 ng/u1

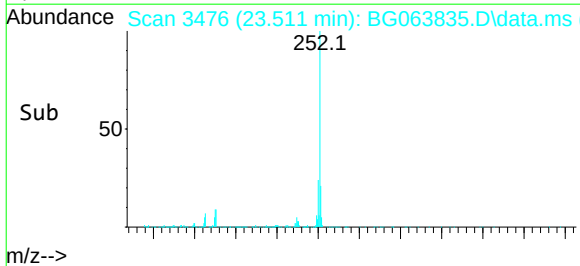
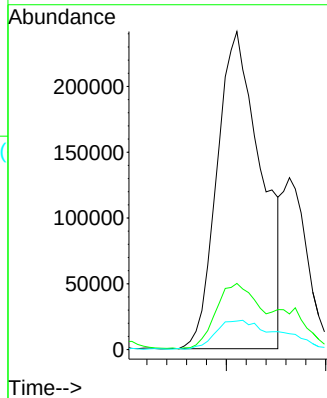
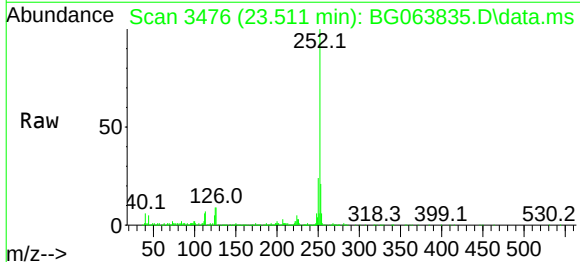
RT: 23.511 min Scan# 3476

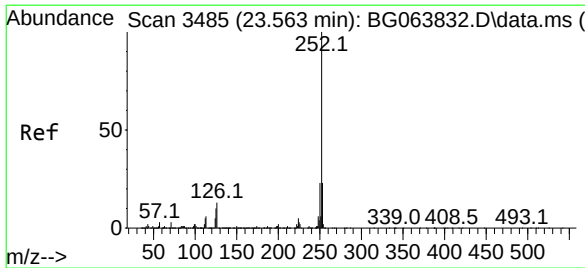
Delta R.T. 0.012 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Tgt Ion:252	Resp: 744469
Ion Ratio	Lower Upper
252 100	
253 20.8	17.7 26.5
125 9.0	7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 5.748 ng/u1 m

RT: 23.564 min Scan# 34

Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

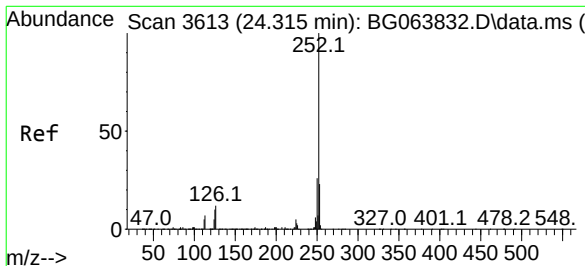
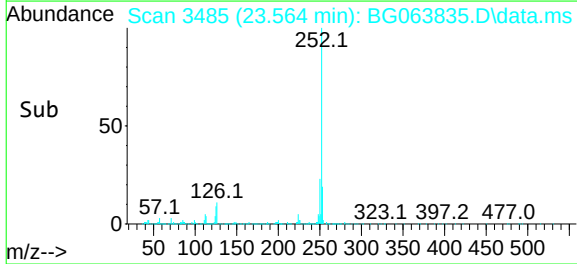
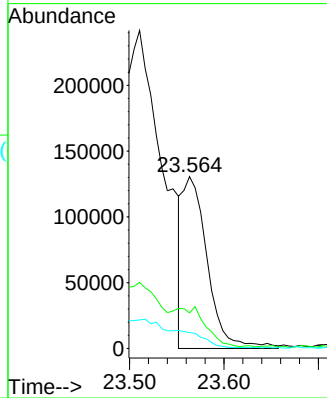
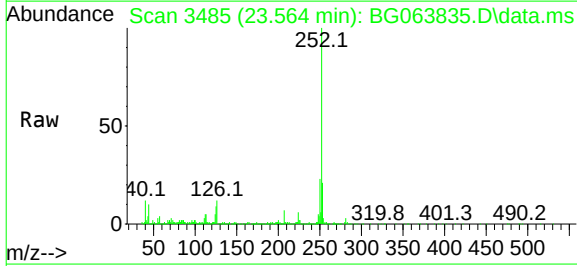
E2913DL

Tgt Ion:	252	Resp:	237764
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.7	26.5
125	9.2	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#93

Benzo(a)pyrene

Concen: 11.635 ng/u1

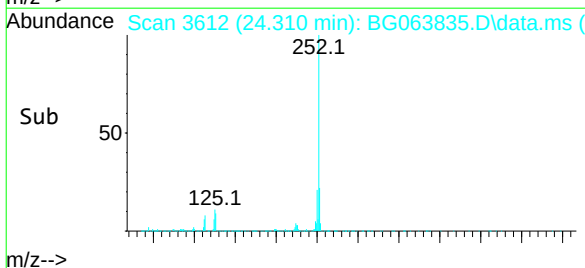
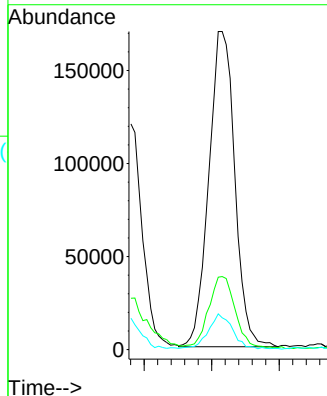
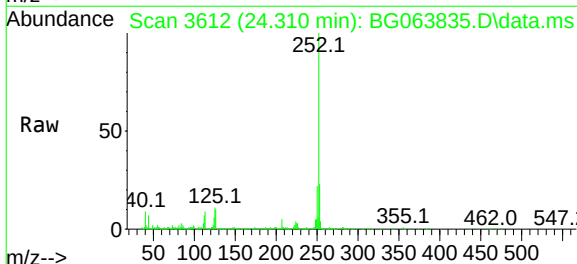
RT: 24.310 min Scan# 3612

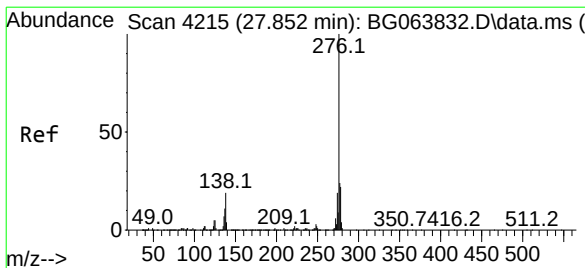
Delta R.T. 0.006 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Tgt Ion:	252	Resp:	452840
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.6	24.8
125	11.2	8.0	12.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.309 ng/ul

RT: 27.858 min Scan# 4215

Delta R.T. 0.012 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Instrument :

BNA_G

ClientSampleId :

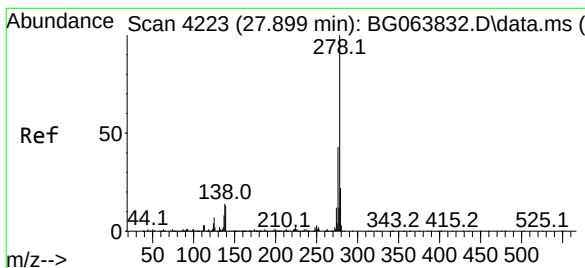
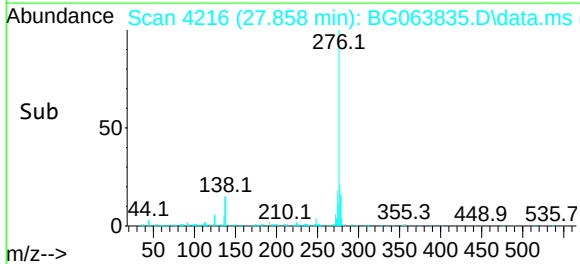
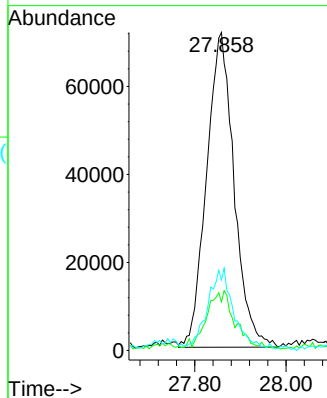
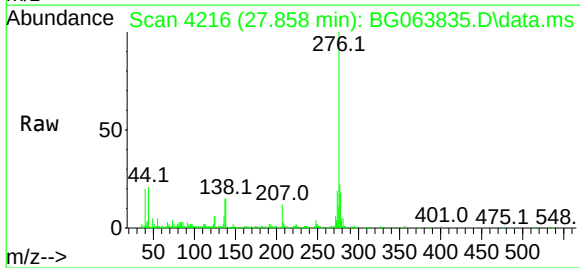
E2913DL

Tgt Ion:	276	Resp:	299859
Ion Ratio	Lower	Upper	
276	100		
138	15.3	13.7	20.5
277	22.1	18.4	27.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.273 ng/ul m

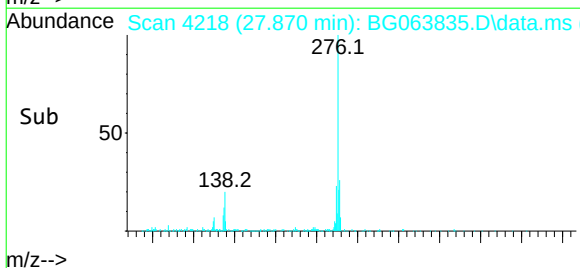
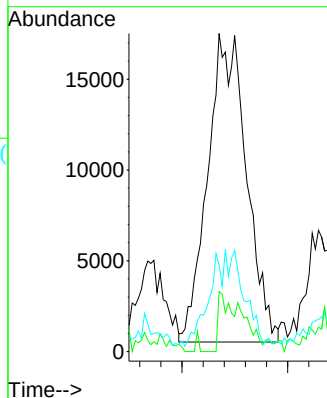
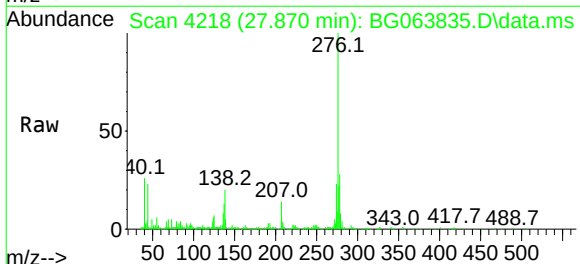
RT: 27.870 min Scan# 4218

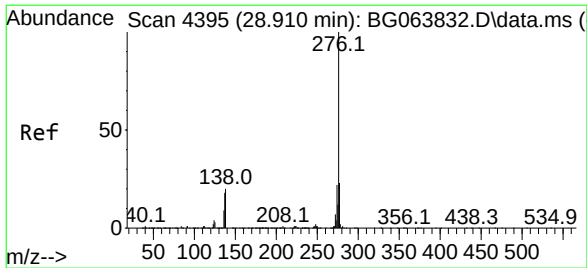
Delta R.T. -0.018 min

Lab File: BG063835.D

Acq: 26 Dec 2024 15:08

Tgt Ion:	278	Resp:	86453
Ion Ratio	Lower	Upper	
278	100		
139	18.9	9.7	14.5#
279	27.2	17.3	25.9#





#96
 Benzo(g,h,i)perylene
 Concen: 7.212 ng/u1 m
 RT: 28.910 min Scan# 43
 Delta R.T. 0.012 min
 Lab File: BG063835.D
 Acq: 26 Dec 2024 15:08

Instrument :
 BNA_G
 ClientSampleId :
 E2913DL

Tgt Ion:	276	Resp:	272004
Ion Ratio	Lower	Upper	
276	100		
138	20.8	13.8	20.8#
277	22.2	17.8	26.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
 Supervised By :mohammad ahmed 12/30/2024

