

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
 Data File : BG063827.D
 Acq On : 24 Dec 2024 19:51
 Operator : RC/JU
 Sample : P5333-18
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2920

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/26/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 02:14:52 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.801	152	117423	20.000	ng/u1	0.00
20) Naphthalene-d8	10.585	136	504818	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.440	164	385811	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.189	188	860334	20.000	ng/u1	0.00
79) Chrysene-d12	21.443	240	834378	20.000	ng/u1	0.00
88) Perylene-d12	24.457	264	886922	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.259	96	13166	4.394	ng/uL	0.00
4) Pyridine-d5	3.670	84	200442	21.205	ng/u1	0.00
7) Phenol-d5	6.990	99	292828	27.077	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.131	67	189344	25.350	ng/u1	0.00
11) 2-Chlorophenol-d4	7.336	132	188852	26.973	ng/u1	0.00
15) 4-Methylphenol-d8	8.517	113	176011	20.963	ng/u1	0.00
21) Nitrobenzene-d5	8.958	128	105193	29.184	ng/u1	0.00
24) 2-Nitrophenol-d4	9.675	143	125345	31.023	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.221	165	221371	28.299	ng/u1	0.00
31) 4-Chloroaniline-d4	10.726	131	202513	20.389	ng/u1	0.00
46) Dimethylphthalate-d6	13.846	166	799656	30.460	ng/u1	0.00
49) Acenaphthylene-d8	14.134	160	859209	28.711	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	95178	25.588	ng/u1	0.01
60) Fluorene-d10	15.433	176	615337	26.510	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.568	200	67780	15.174	ng/u1	0.00
73) Anthracene-d10	17.289	188	970248	26.231	ng/u1	0.00
81) Pyrene-d10	19.587	212	985423	22.696	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.252	264	695830	16.707	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.013	94	20131m	1.747	ng/u1	
36) 2-Methylnaphthalene	12.254	142	22125	1.220	ng/u1	98
72) Phenanthrene	17.236	178	142672	3.441	ng/u1	98
80) Fluoranthene	19.252	202	383846	7.778	ng/u1#	94
82) Pyrene	19.616	202	406644	7.745	ng/u1#	94
85) Benzo(a)anthracene	21.420	228	318732	6.095	ng/u1	97
87) Chrysene	21.484	228	355891	7.141	ng/u1	98
90) Benzo(b)fluoranthene	23.506	252	617697	12.254	ng/u1#	95
91) Benzo(k)fluoranthene	23.559	252	242987m	4.832	ng/u1	
93) Benzo(a)pyrene	24.316	252	474512	10.029	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.848	276	339618	5.877	ng/u1	97
95) Dibenzo(a,h)anthracene	27.877	278	86368m	1.868	ng/u1	
96) Benzo(g,h,i)perylene	28.911	276	361477	7.884	ng/u1#	93

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

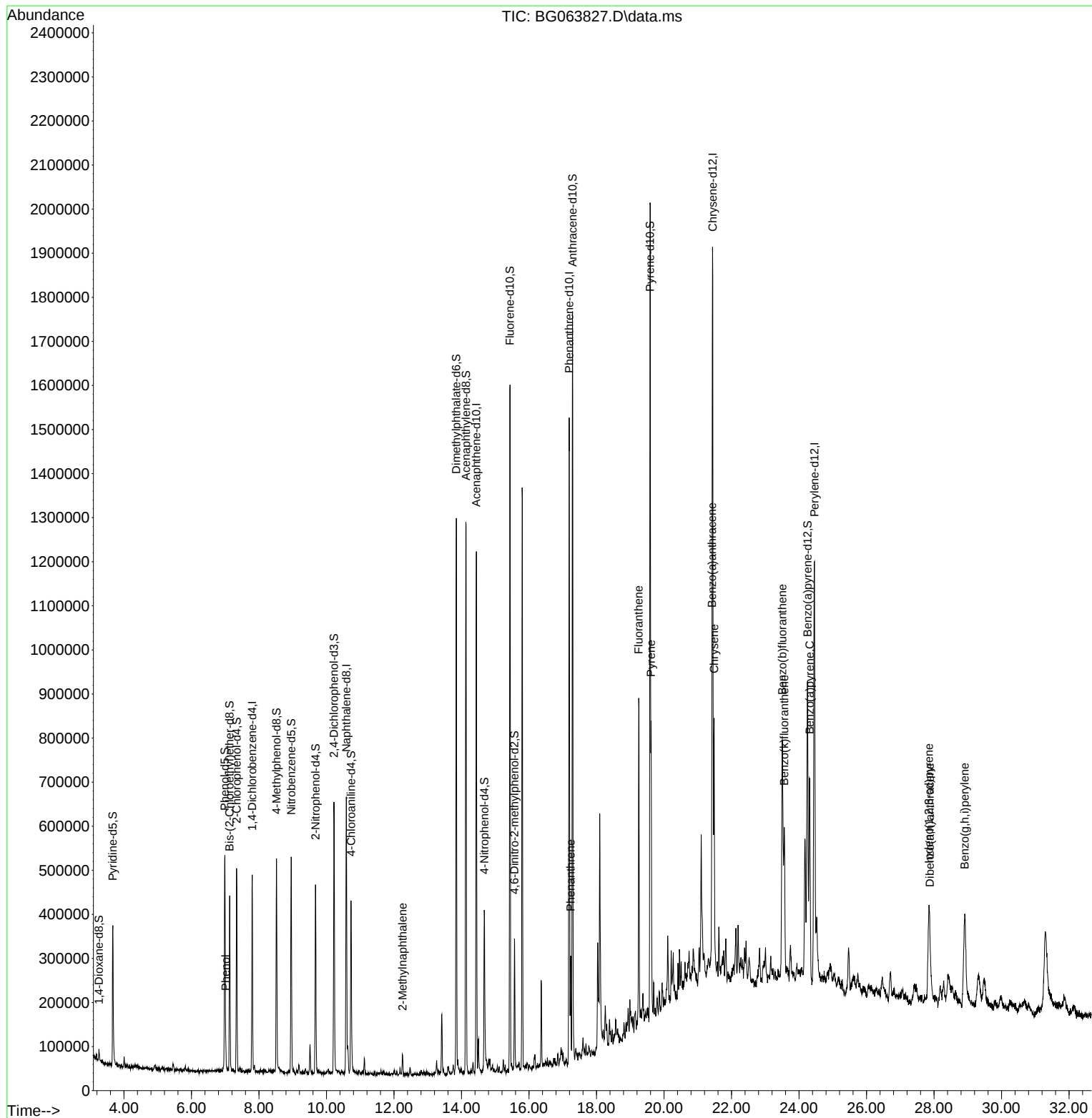
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
Data File : BG063827.D
Acq On : 24 Dec 2024 19:51
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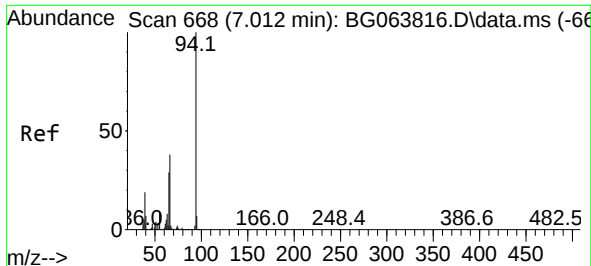
Instrument :
BNA_G
ClientSampleId :
E2920

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Quant Title : SVOA CALIBRATION
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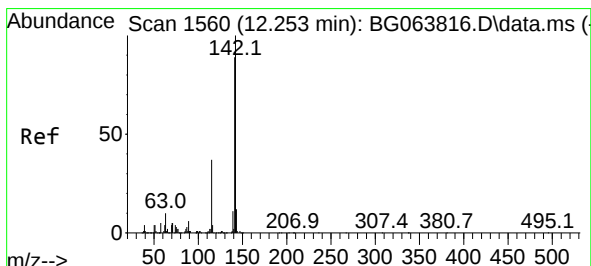
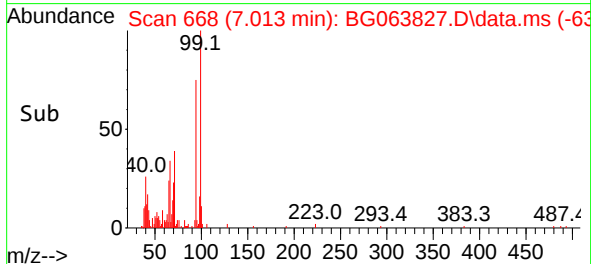
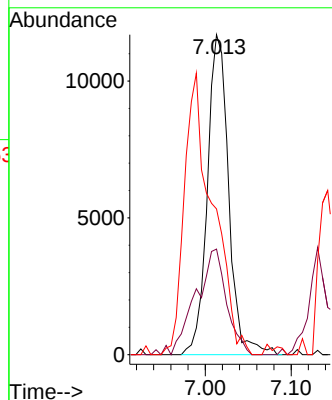
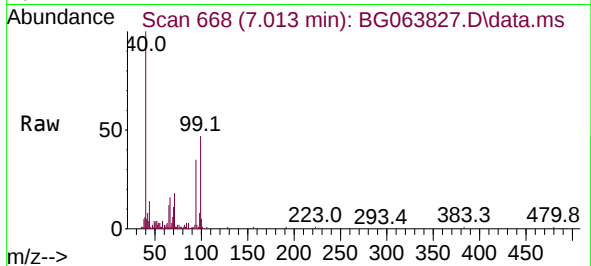
#8
Phenol
Concen: 1.747 ng/ul m
RT: 7.013 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG063827.D
Acq: 24 Dec 2024 19:51

Instrument :
BNA_G
ClientSampleId :
E2920

Tgt Ion: 94 Resp: 2013
Ion Ratio Lower Upper
94 100
65 33.0 25.6 38.4
66 45.5 34.2 51.2

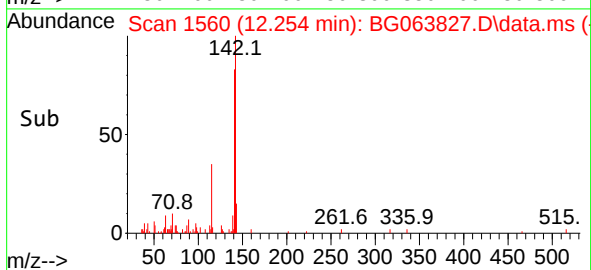
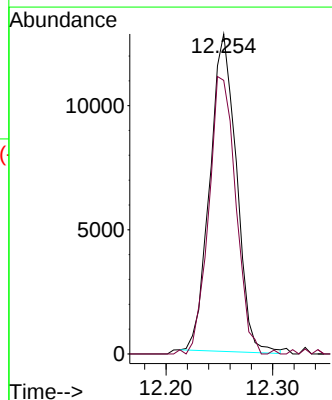
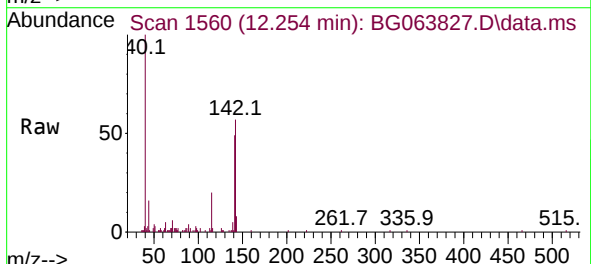
Manual Integrations
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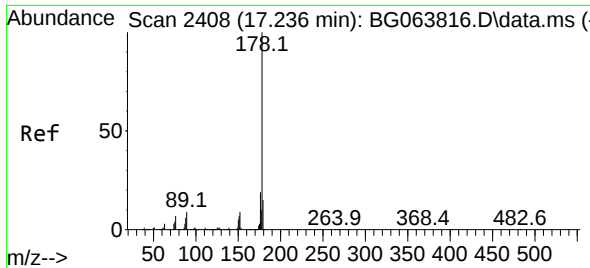
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#36
2-Methylnaphthalene
Concen: 1.220 ng/ul
RT: 12.254 min Scan# 1560
Delta R.T. 0.001 min
Lab File: BG063827.D
Acq: 24 Dec 2024 19:51

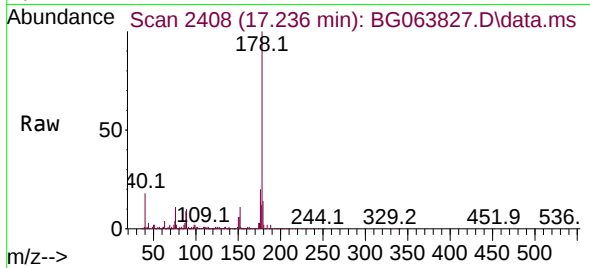
Tgt Ion:142 Resp: 22125
Ion Ratio Lower Upper
142 100
141 85.5 69.5 104.3





#72
Phenanthrene
Concen: 3.441 ng/ul
RT: 17.236 min Scan# 2408
Delta R.T. 0.007 min
Lab File: BG063827.D
Acq: 24 Dec 2024 19:51

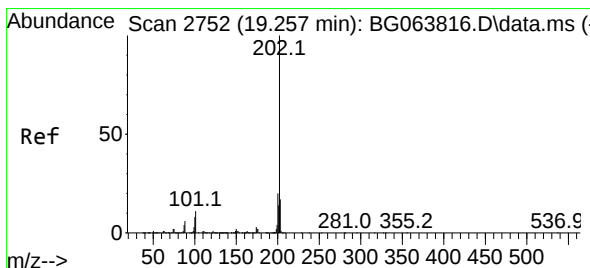
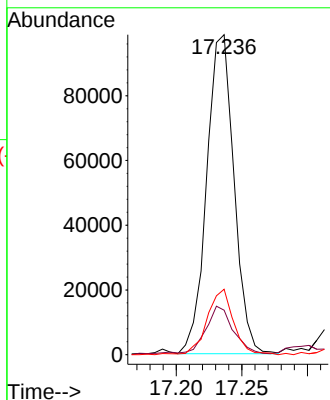
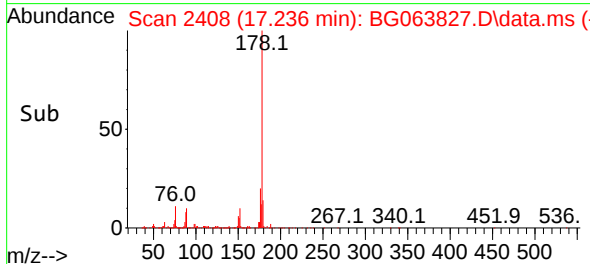
Instrument :
BNA_G
ClientSampleId :
E2920



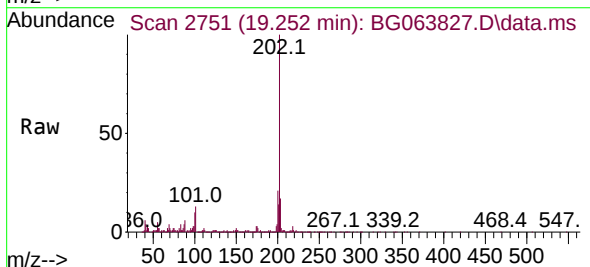
Tgt Ion:178 Resp: 142672
Ion Ratio Lower Upper
178 100
179 13.9 12.2 18.2
176 20.4 15.8 23.6

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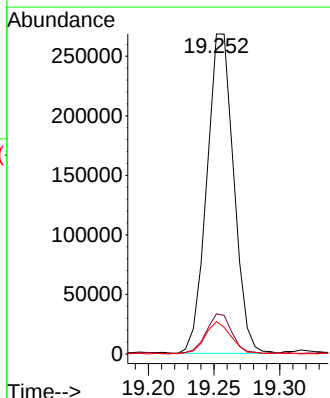
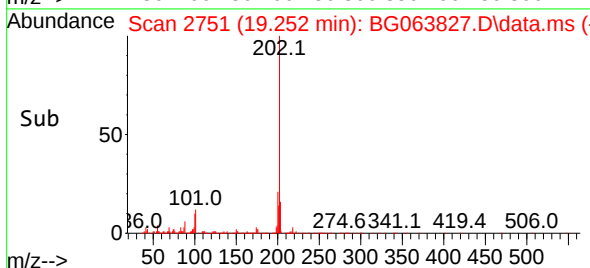
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

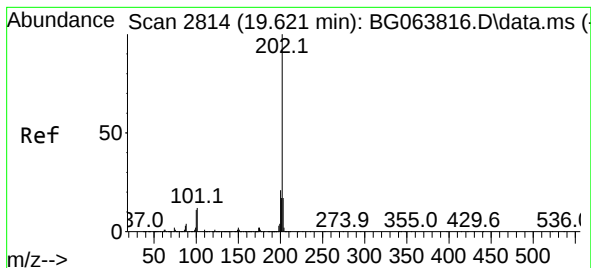


#80
Fluoranthene
Concen: 7.778 ng/ul
RT: 19.252 min Scan# 2751
Delta R.T. 0.001 min
Lab File: BG063827.D
Acq: 24 Dec 2024 19:51



Tgt Ion:202 Resp: 383846
Ion Ratio Lower Upper
202 100
101 12.5 8.1 12.1#
100 10.1 6.5 9.7#





#82

Pyrene

Concen: 7.745 ng/ul

RT: 19.616 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG063827.D

Acq: 24 Dec 2024 19:51

Instrument :

BNA_G

ClientSampleId :

E2920

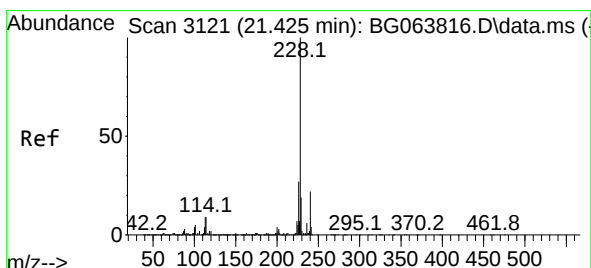
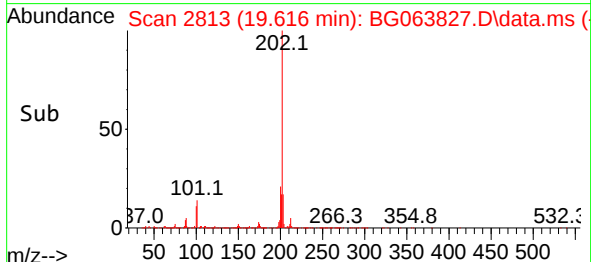
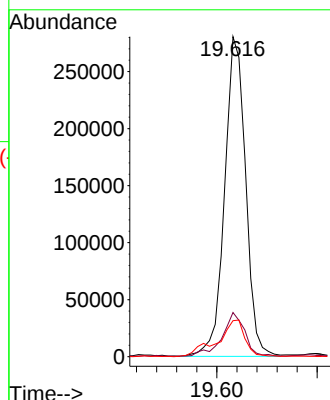
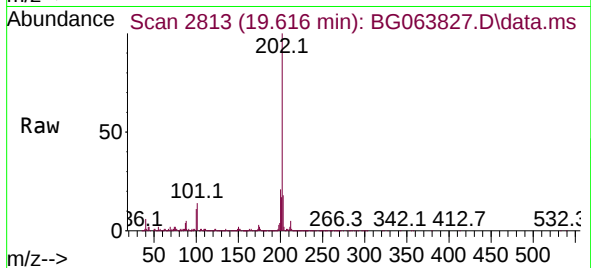
Tgt Ion:202 Resp: 406644
 Ion Ratio Lower Upper
 202 100
 101 13.8 8.7 13.1
 100 11.2 7.8 11.6

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#85

Benzo(a)anthracene

Concen: 6.095 ng/ul

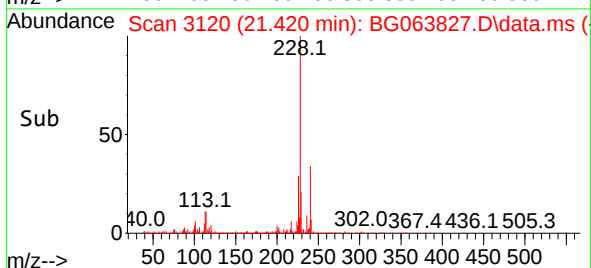
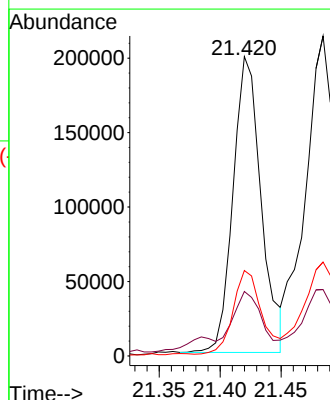
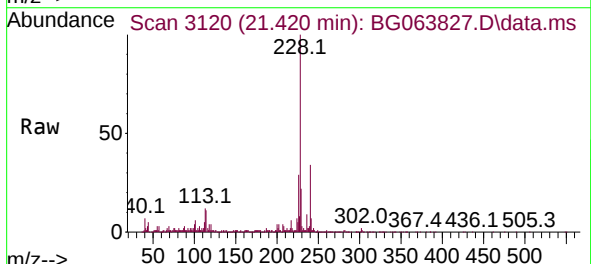
RT: 21.420 min Scan# 3120

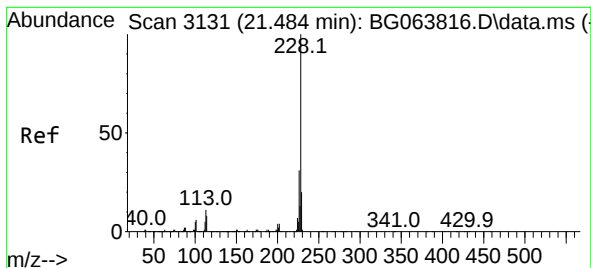
Delta R.T. 0.001 min

Lab File: BG063827.D

Acq: 24 Dec 2024 19:51

Tgt Ion:228 Resp: 318732
 Ion Ratio Lower Upper
 228 100
 229 21.5 15.7 23.5
 226 28.6 22.0 33.0





#87

Chrysene

Concen: 7.141 ng/ul

RT: 21.484 min Scan# 3131

Delta R.T. 0.001 min

Lab File: BG063827.D

Acq: 24 Dec 2024 19:51

Instrument :

BNA_G

ClientSampleId :

E2920

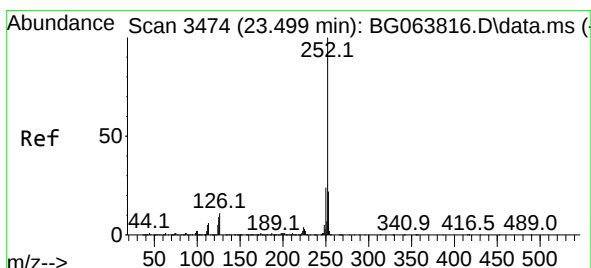
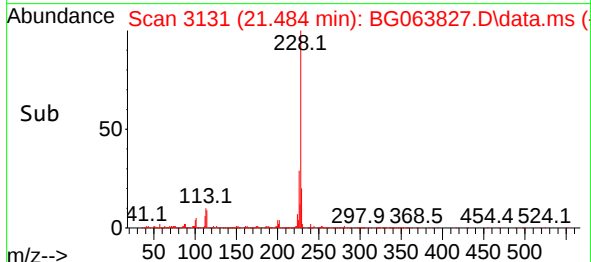
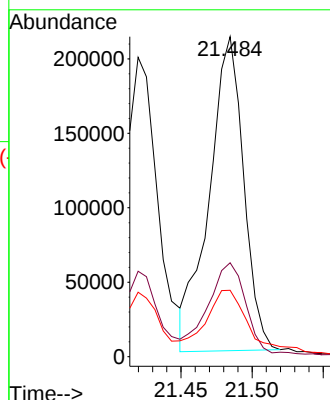
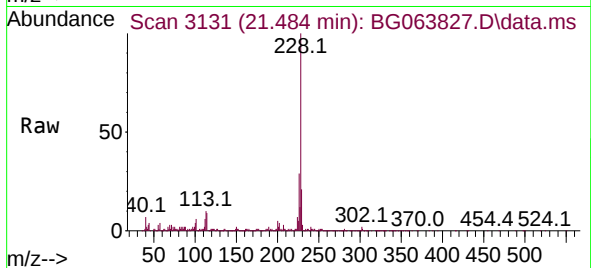
Tgt Ion:228	Resp: 35589
Ion Ratio	Lower Upper
228 100	
226 29.3	23.4 35.0
229 20.8	14.8 22.2

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 12.254 ng/ul

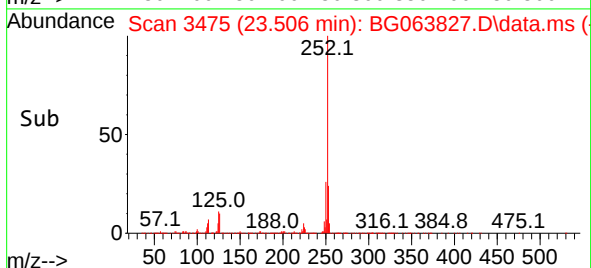
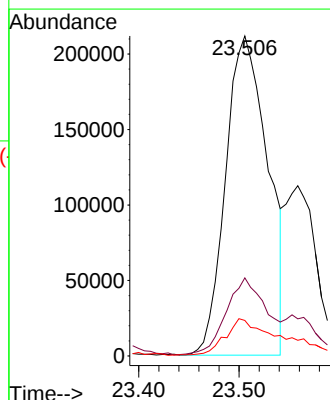
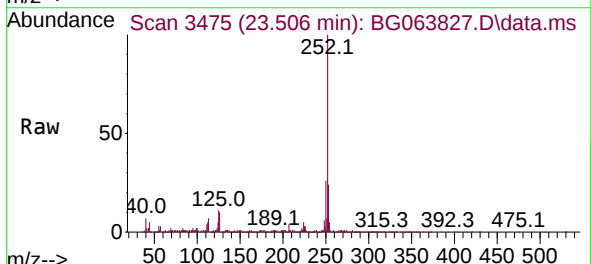
RT: 23.506 min Scan# 3475

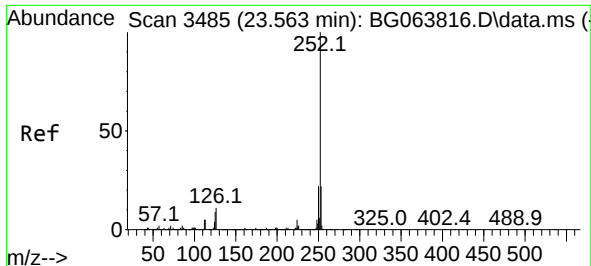
Delta R.T. 0.007 min

Lab File: BG063827.D

Acq: 24 Dec 2024 19:51

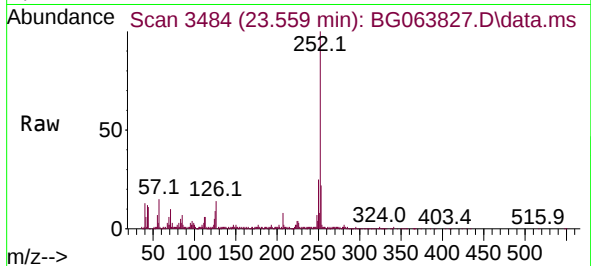
Tgt Ion:252	Resp: 617697
Ion Ratio	Lower Upper
252 100	
253 24.4	17.7 26.5
125 11.1	7.0 10.4





#91
Benzo(k)fluoranthene
Concen: 4.832 ng/ul m
RT: 23.559 min Scan# 3485
Delta R.T. 0.001 min
Lab File: BG063827.D
Acq: 24 Dec 2024 19:51

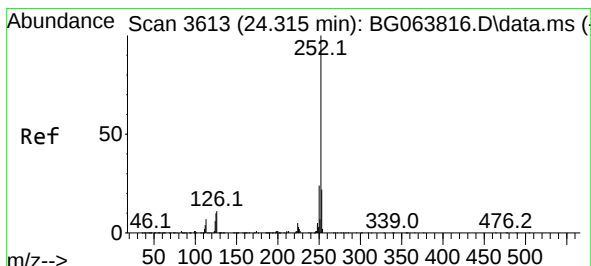
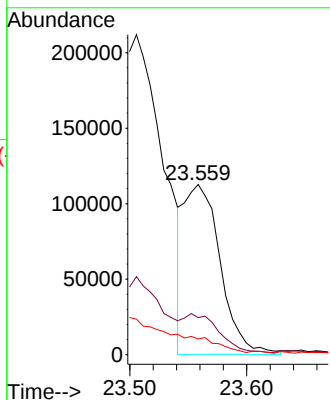
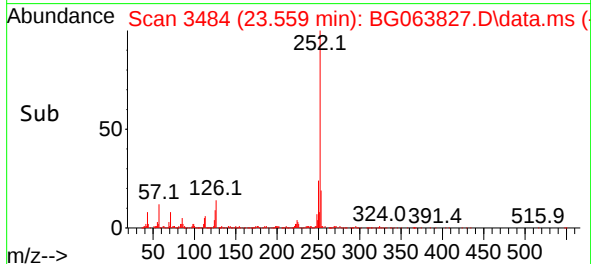
Instrument :
BNA_G
ClientSampleId :
E2920



Tgt Ion:252 Resp: 242985
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 9.2 6.5 9.7

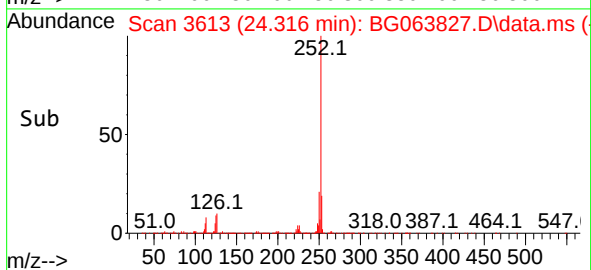
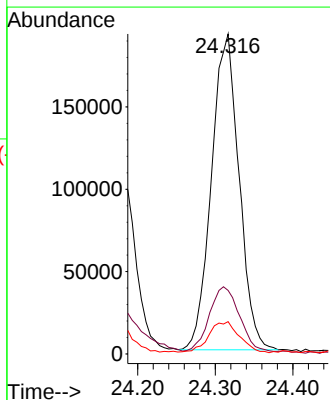
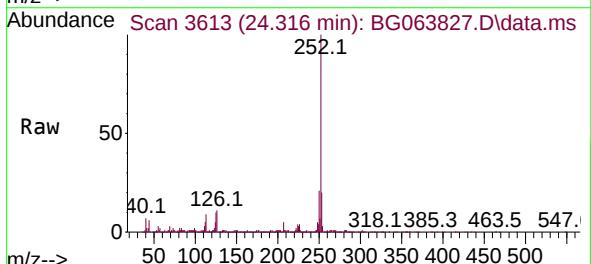
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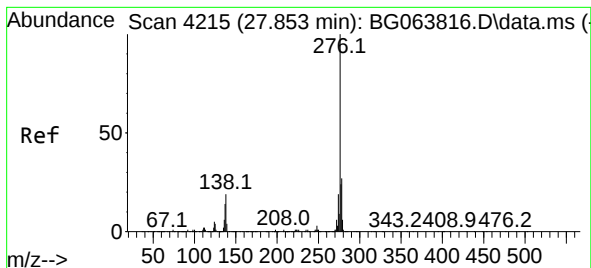
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#93
Benzo(a)pyrene
Concen: 10.029 ng/ul
RT: 24.316 min Scan# 3613
Delta R.T. 0.013 min
Lab File: BG063827.D
Acq: 24 Dec 2024 19:51

Tgt Ion:252 Resp: 474512
Ion Ratio Lower Upper
252 100
253 19.8 16.6 24.8
125 10.1 8.0 12.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.877 ng/ul

RT: 27.848 min Scan# 4215

Delta R.T. 0.001 min

Lab File: BG063827.D

Acq: 24 Dec 2024 19:51

Instrument :

BNA_G

ClientSampleId :

E2920

Tgt Ion:276 Resp: 339618

Ion Ratio Lower Upper

276 100

138 18.1 13.7 20.5

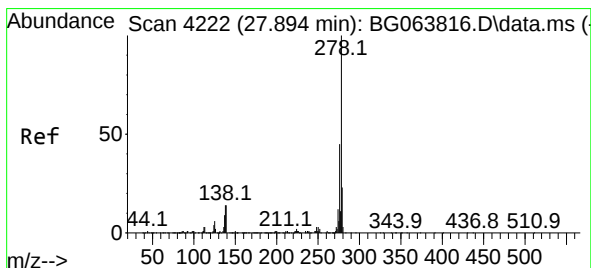
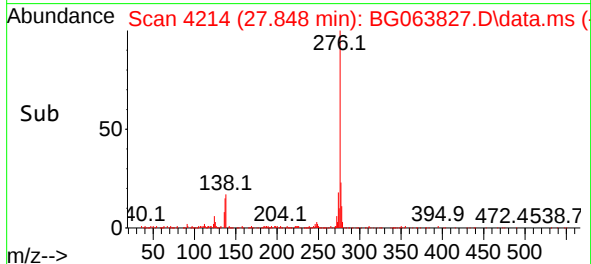
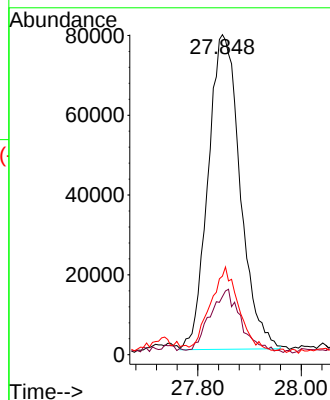
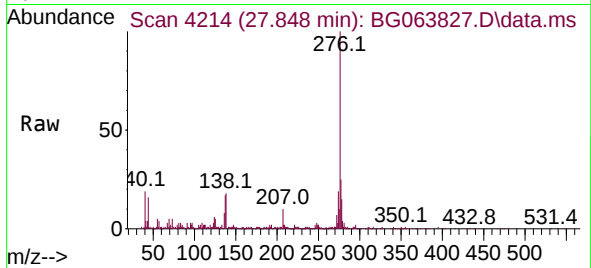
277 24.6 18.4 27.6

Manual Integrations

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#95

Dibenzo(a,h)anthracene

Concen: 1.868 ng/ul m

RT: 27.877 min Scan# 4219

Delta R.T. -0.011 min

Lab File: BG063827.D

Acq: 24 Dec 2024 19:51

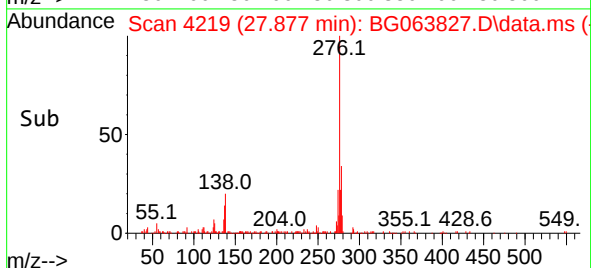
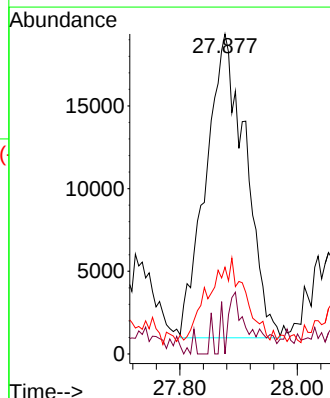
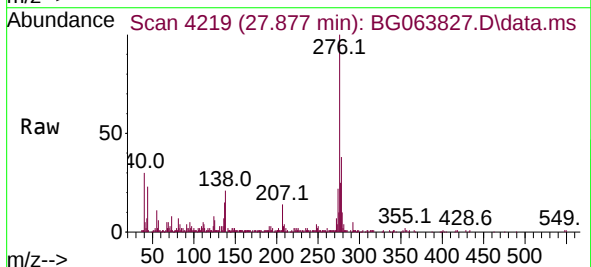
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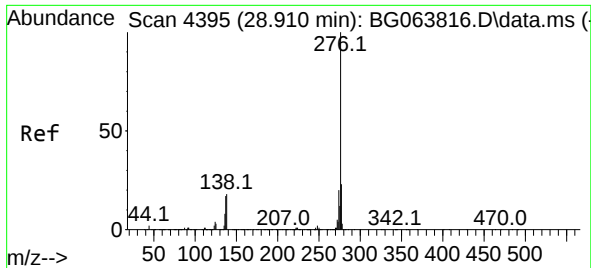
Ion Ratio Lower Upper

278 100

139 0.0 9.7 14.5#

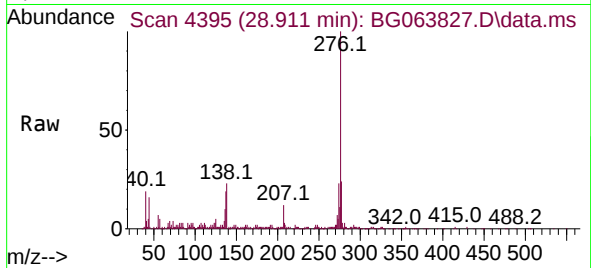
279 27.1 17.3 25.9#





#96
 Benzo(g,h,i)perylene
 Concen: 7.884 ng/ul
 RT: 28.911 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: BG063827.D
 Acq: 24 Dec 2024 19:51

Instrument :
 BNA_G
 ClientSampleId :
 E2920



Tgt Ion:276 Resp: 36147
 Ion Ratio Lower Upper
 276 100
 138 22.6 13.8 20.8
 277 24.0 17.8 26.8

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