

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120924\
 Data File : BG063603.D
 Acq On : 9 Dec 2024 15:26
 Operator : RC/JU
 Sample : P5066-02DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28M1DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/11/2024
 Supervised By :mohammad ahmed 12/11/2024

Quant Time: Dec 10 00:35:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 06 15:14:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	144763	20.000	ng/u1	0.00
20) Naphthalene-d8	10.614	136	601522	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.463	164	448381	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.218	188	979907	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.478	240	851795	20.000	ng/u1	# 0.00
88) Perylene-d12	24.527	264	933109	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.288	96	2520	0.768	ng/uL	0.00
4) Pyridine-d5	3.699	84	32900	2.712	ng/u1	0.01
7) Phenol-d5	7.007	99	25238	1.771	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.154	67	60103	6.237	ng/u1	0.00
11) 2-Chlorophenol-d4	7.359	132	8296	0.988	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	26151	2.475	ng/u1	0.01
21) Nitrobenzene-d5	8.981	128	21726	5.146	ng/u1	0.00
24) 2-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
28) 2,4-Dichlorophenol-d3	10.262	165	8451m	0.812	ng/u1	0.03
31) 4-Chloroaniline-d4	10.732	131	117995	9.385	ng/u1	-0.01
46) Dimethylphthalate-d6	13.869	166	156125	4.791	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	167128	4.692	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.462	176	136497	4.249	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.318	188	227612	5.087	ng/u1	0.00
81) Pyrene-d10	19.616	212	249430	5.283	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.328	264	225425	4.810	ng/u1	0.03
Target Compounds						
					Qvalue	
30) Naphthalene	10.661	128	309259	9.987	ng/u1#	97
36) 2-Methylnaphthalene	12.277	142	729601	30.563	ng/u1	95
37) 1-Methylnaphthalene	12.500	142	499587	20.640	ng/u1#	95
43) 1,1'-Biphenyl	13.294	154	62794	2.110	ng/u1#	92
52) Acenaphthene	14.527	153	101944	3.748	ng/u1	88
61) Fluorene	15.520	166	376570	10.999	ng/u1#	97
72) Phenanthrene	17.265	178	2655577	55.017	ng/u1	98
74) Anthracene	17.353	178	774682	15.542	ng/u1	96
80) Fluoranthene	19.281	202	839775	15.826	ng/u1#	96
82) Pyrene	19.645	202	987607	17.508	ng/u1#	93
85) Benzo(a)anthracene	21.460	228	149409	2.601	ng/u1#	81
87) Chrysene	21.519	228	96084	1.780	ng/u1#	81

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

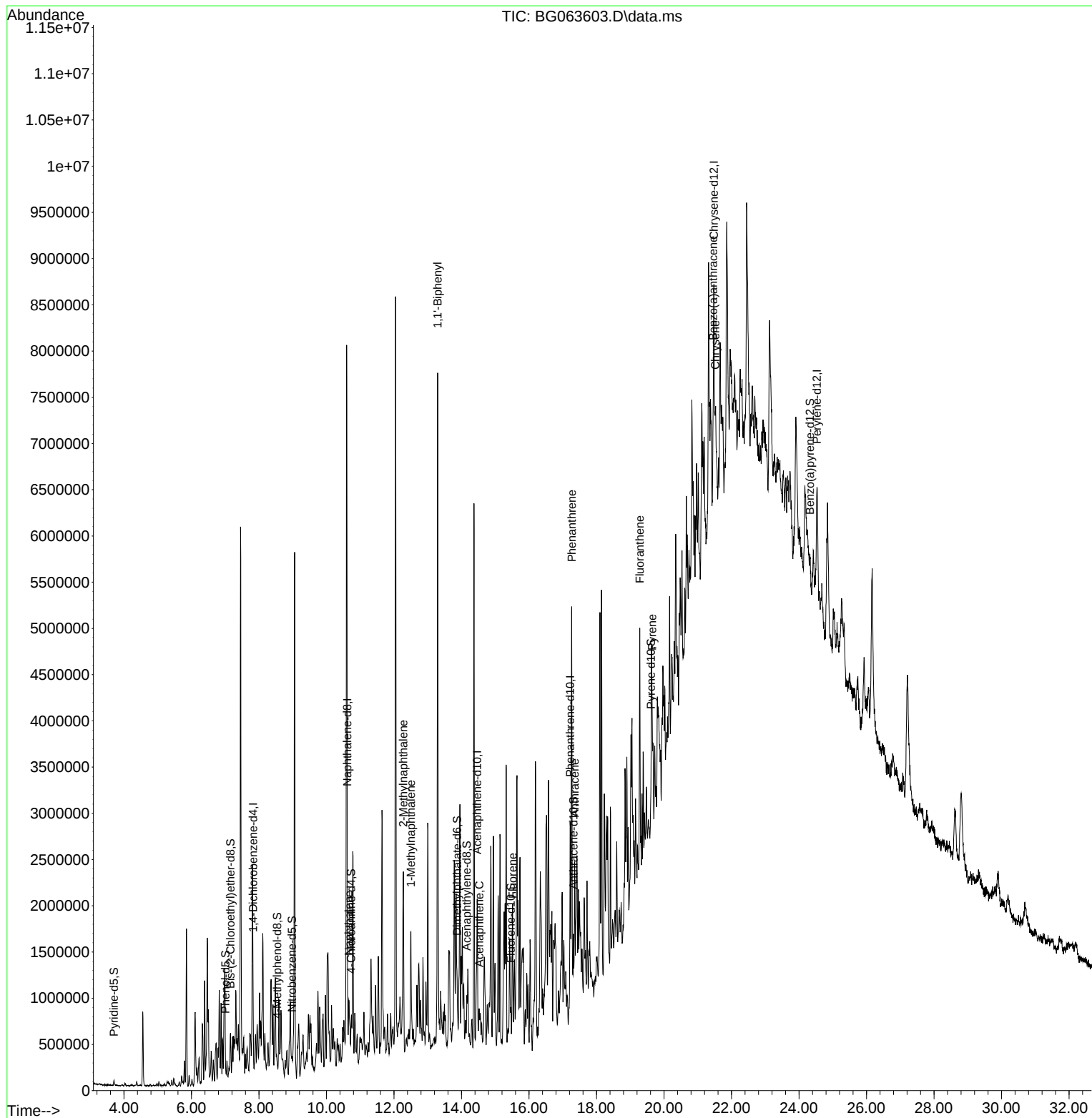
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120924\
Data File : BG063603.D
Acq On : 9 Dec 2024 15:26
Operator : RC/JU
Sample : P5066-02DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

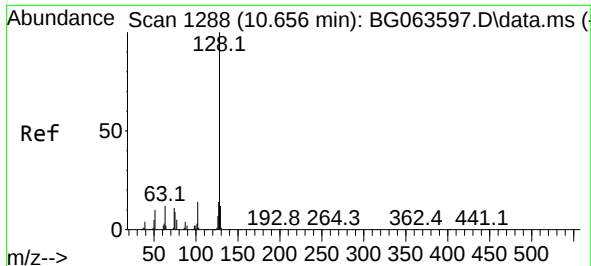
Instrument :
BNA_G
ClientSampleId :
E28M1DL

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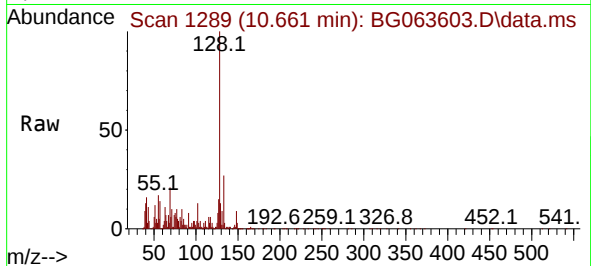
Quant Time: Dec 10 00:35:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 06 15:14:46 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 9.987 ng/ul
RT: 10.661 min Scan# 1289
Delta R.T. 0.004 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26

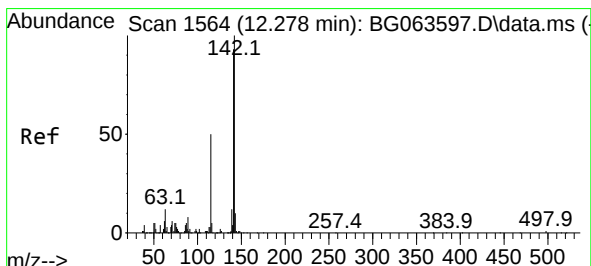
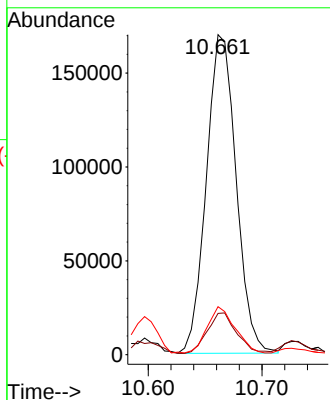
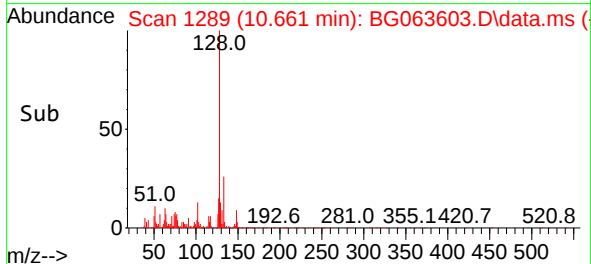
Instrument :
BNA_G
ClientSampleId :
E28M1DL



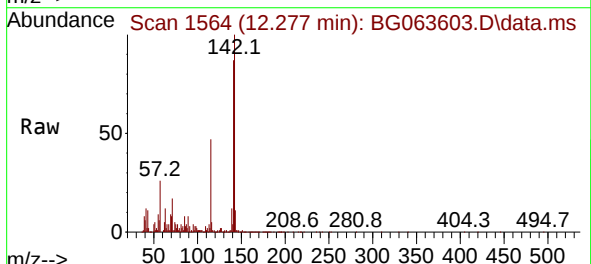
Tgt Ion:128 Resp: 309259
Ion Ratio Lower Upper
128 100
129 12.9 8.4 12.6
127 15.0 12.5 18.7

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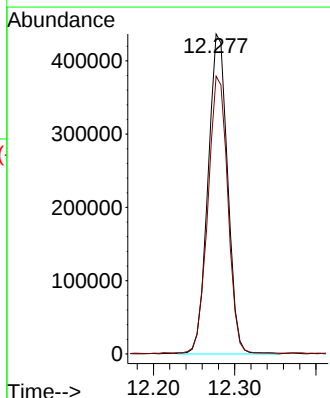
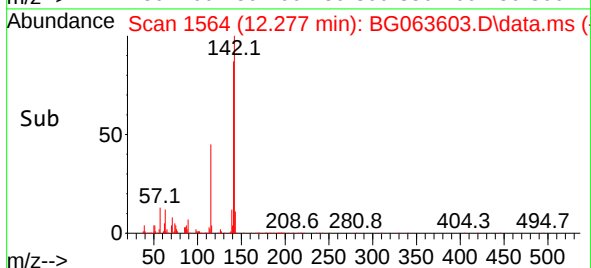
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024

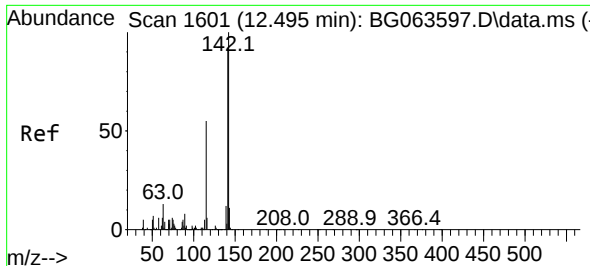


#36
2-Methylnaphthalene
Concen: 30.563 ng/ul
RT: 12.277 min Scan# 1564
Delta R.T. 0.004 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26



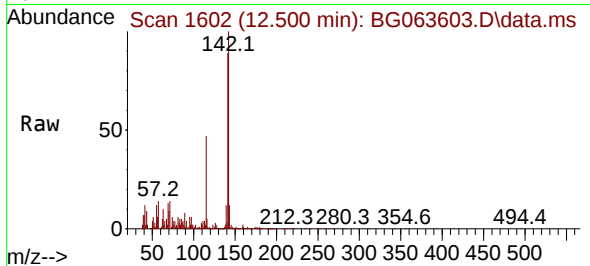
Tgt Ion:142 Resp: 729601
Ion Ratio Lower Upper
142 100
141 86.8 73.4 110.0





#37
1-Methylnaphthalene
Concen: 20.640 ng/ul
RT: 12.500 min Scan# 1601
Delta R.T. 0.004 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26

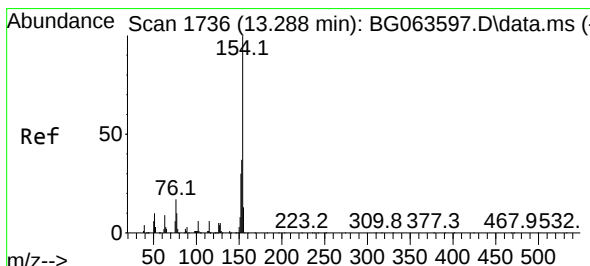
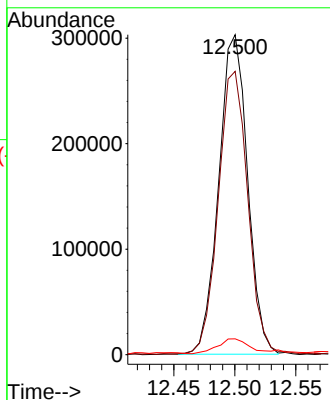
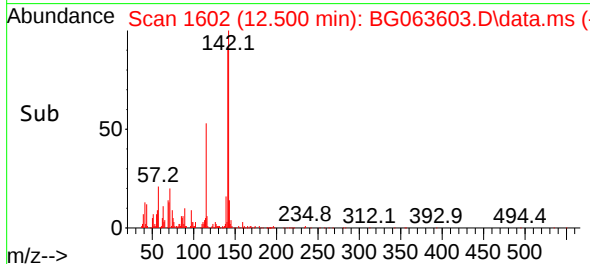
Instrument :
BNA_G
ClientSampleId :
E28M1DL



Tgt Ion:142 Resp: 49958
Ion Ratio Lower Upper
142 100
141 88.5 74.6 111.8
116 5.0 5.2 7.8

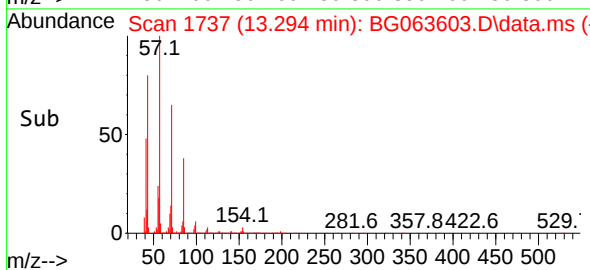
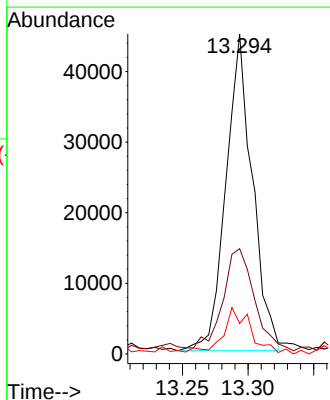
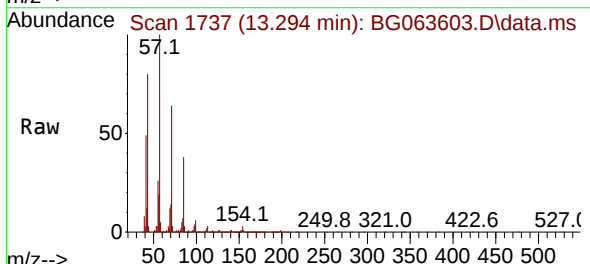
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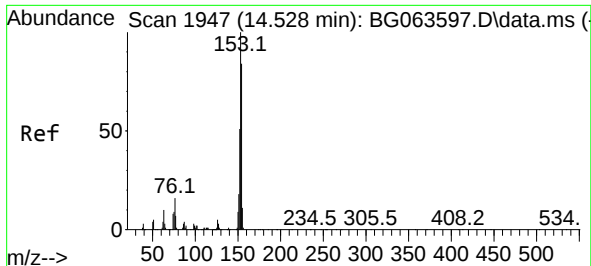
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#43
1,1'-Biphenyl
Concen: 2.110 ng/ul
RT: 13.294 min Scan# 1737
Delta R.T. 0.004 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26

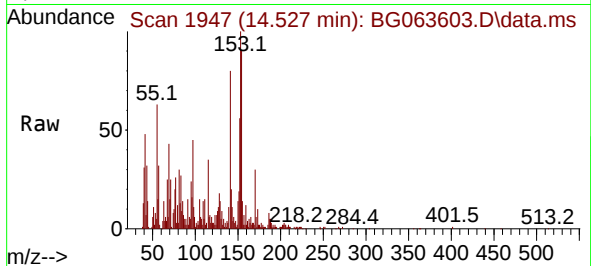
Tgt Ion:154 Resp: 62794
Ion Ratio Lower Upper
154 100
153 32.9 30.6 45.8
76 9.6 9.9 14.9





#52
Acenaphthene
Concen: 3.748 ng/u1
RT: 14.527 min Scan# 1947
Delta R.T. 0.004 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26

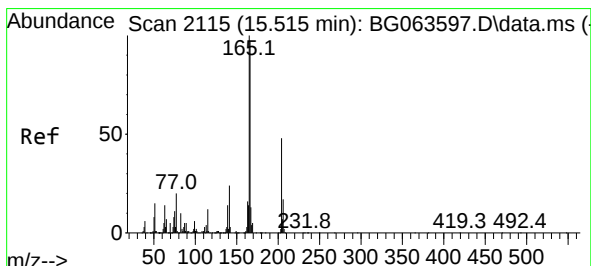
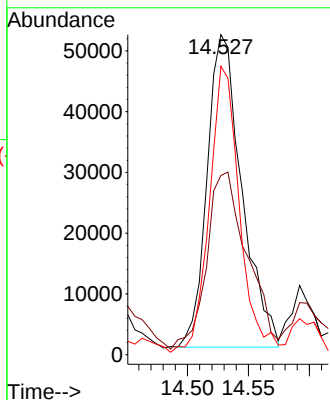
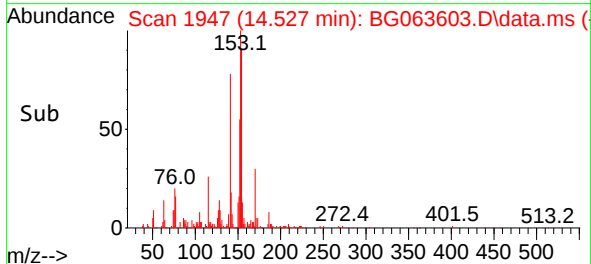
Instrument :
BNA_G
ClientSampleId :
E28M1DL



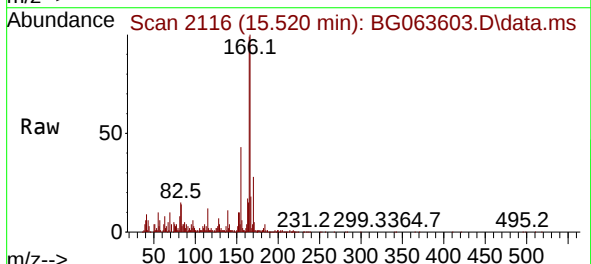
Tgt Ion:153 Resp: 101944
Ion Ratio Lower Upper
153 100
152 56.0 37.8 56.8
154 90.1 64.5 96.7

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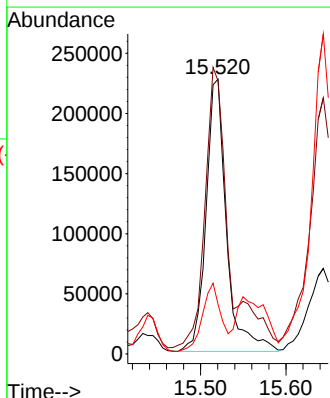
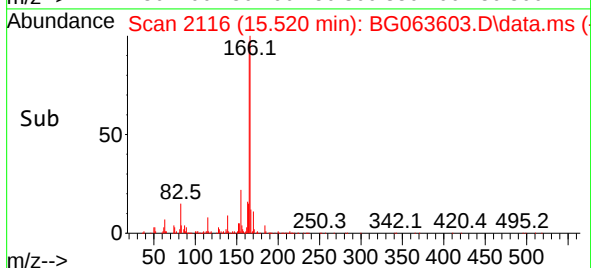
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024

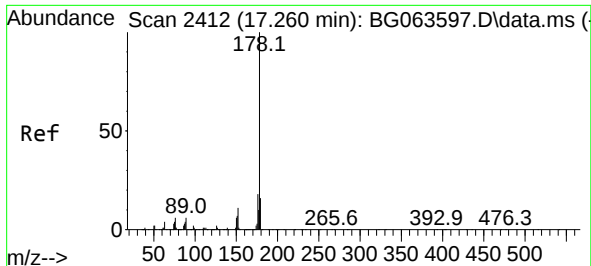


#61
Fluorene
Concen: 10.999 ng/u1
RT: 15.520 min Scan# 2116
Delta R.T. 0.010 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26



Tgt Ion:166 Resp: 376570
Ion Ratio Lower Upper
166 100
165 99.3 80.6 121.0
167 18.0 10.6 15.8#





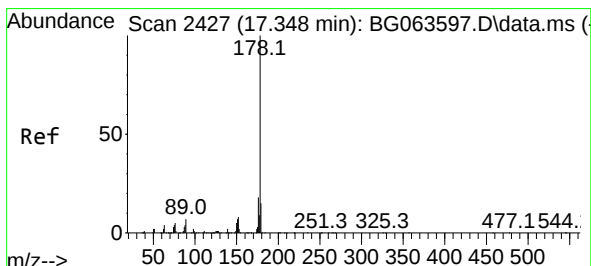
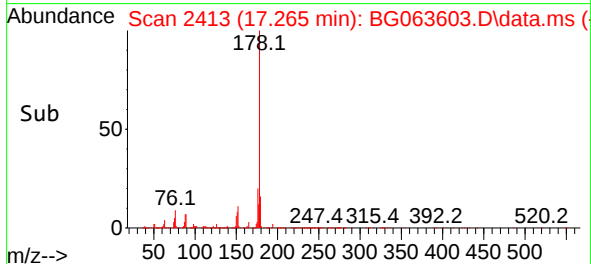
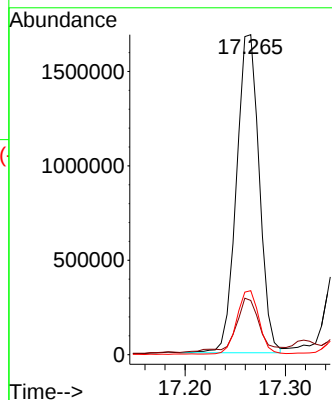
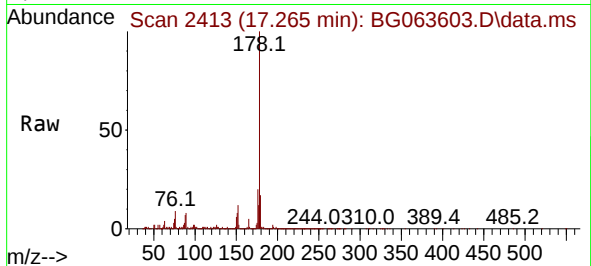
#72
Phenanthrene
Concen: 55.017 ng/u1
RT: 17.265 min Scan# 2412
Delta R.T. 0.010 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26

Instrument :
BNA_G
ClientSampleId :
E28M1DL

Tgt Ion:178 Resp: 265557
Ion Ratio Lower Upper
178 100
179 17.0 13.2 19.8
176 20.0 15.0 22.6

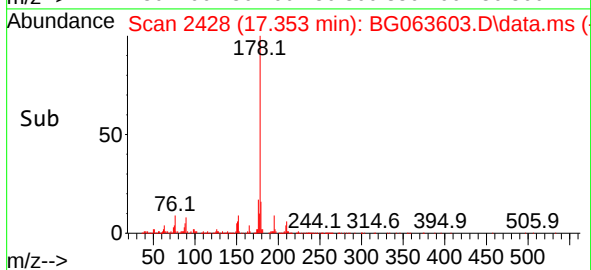
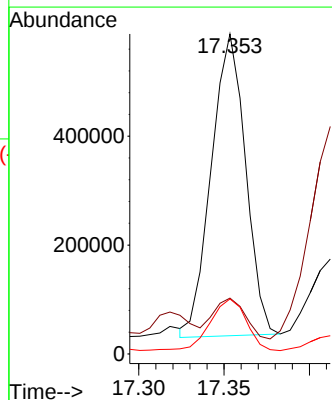
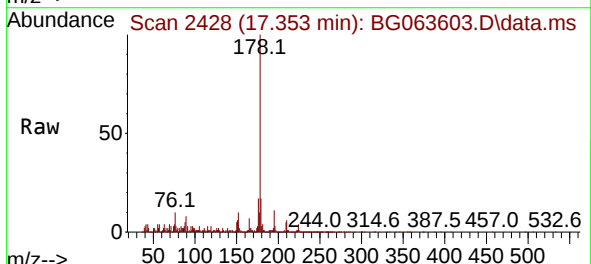
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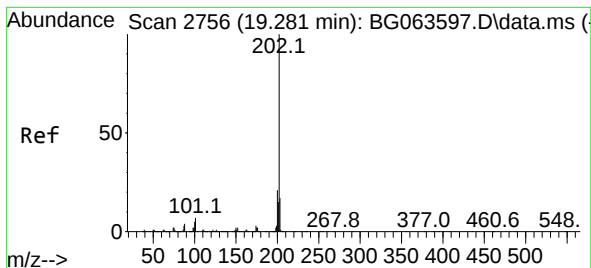
Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024



#74
Anthracene
Concen: 15.542 ng/u1
RT: 17.353 min Scan# 2428
Delta R.T. 0.004 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26

Tgt Ion:178 Resp: 774682
Ion Ratio Lower Upper
178 100
179 17.4 11.8 17.6
176 17.2 14.2 21.2





#80

Fluoranthene

Concen: 15.826 ng/u1

RT: 19.281 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG063603.D

Acq: 9 Dec 2024 15:26

Instrument :

BNA_G

ClientSampleId :

E28M1DL

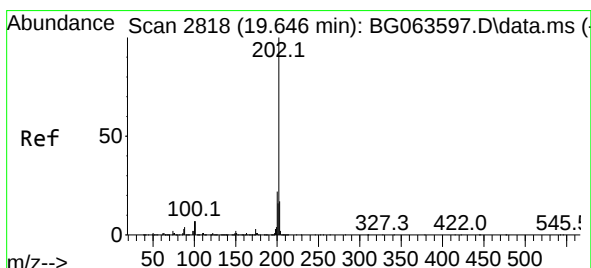
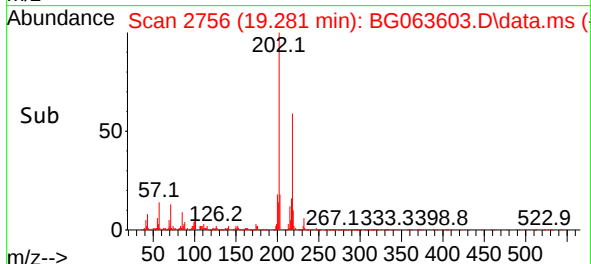
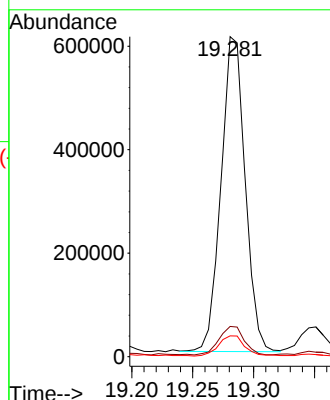
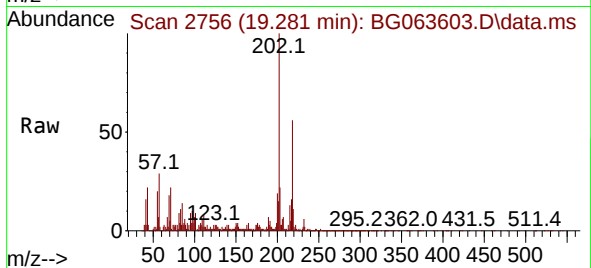
Tgt Ion:	202	Resp:	839775
Ion Ratio	Lower	Upper	
202	100		
101	9.5	5.9	8.9#
100	6.5	4.7	7.1#

Manual Integrations

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#82

Pyrene

Concen: 17.508 ng/u1

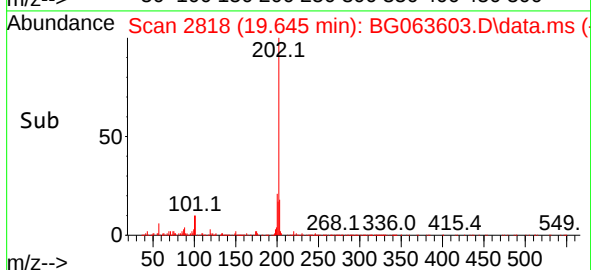
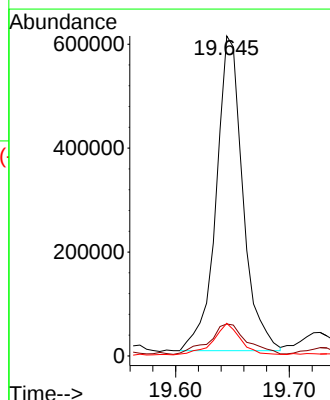
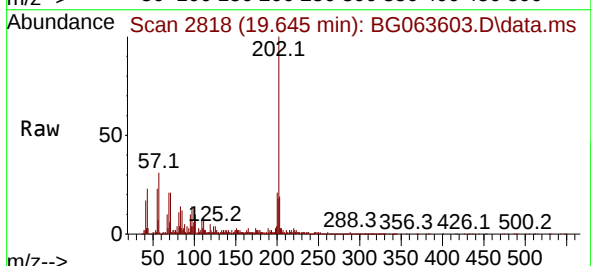
RT: 19.645 min Scan# 2818

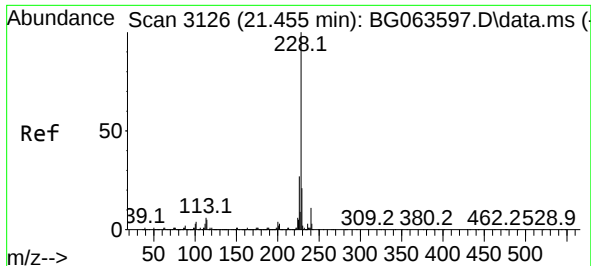
Delta R.T. 0.004 min

Lab File: BG063603.D

Acq: 9 Dec 2024 15:26

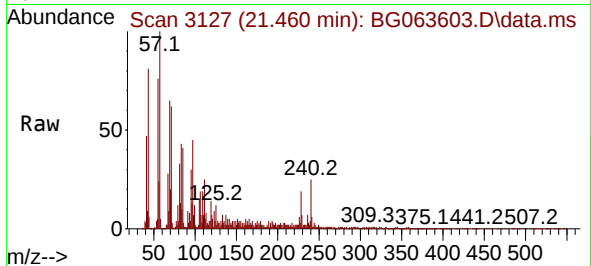
Tgt Ion:	202	Resp:	987607
Ion Ratio	Lower	Upper	
202	100		
101	10.0	6.5	9.7#
100	10.2	5.9	8.9#





#85
Benzo(a)anthracene
Concen: 2.601 ng/u1
RT: 21.460 min Scan# 3126
Delta R.T. 0.010 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26

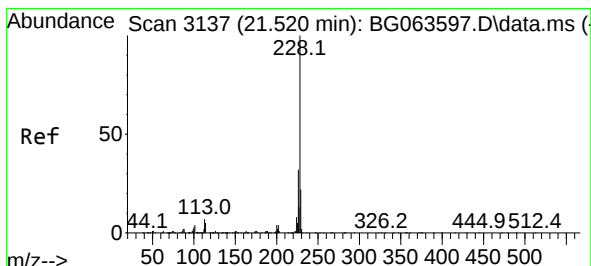
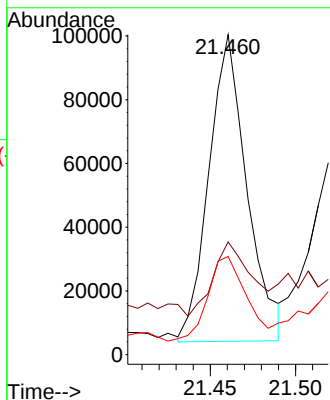
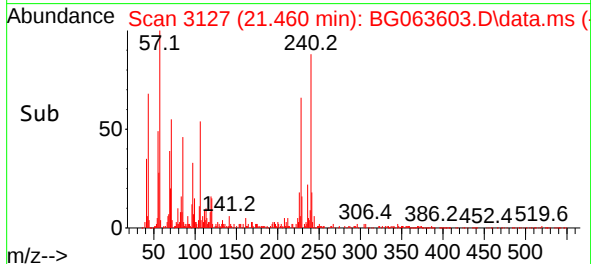
Instrument :
BNA_G
ClientSampleId :
E28M1DL



Tgt Ion:228 Resp: 149409
Ion Ratio Lower Upper
228 100
229 35.3 16.0 24.0
226 30.7 21.0 31.6

Manual Integrations
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Supervised By :mohammad ahmed 12/11/2024



#87
Chrysene
Concen: 1.780 ng/u1
RT: 21.519 min Scan# 3137
Delta R.T. 0.004 min
Lab File: BG063603.D
Acq: 9 Dec 2024 15:26

Tgt Ion:228 Resp: 96084
Ion Ratio Lower Upper
228 100
226 32.9 24.6 37.0
229 39.2 16.2 24.2

