

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092324\
 Data File : BG063005.D
 Acq On : 23 Sep 2024 23:06
 Operator : RC/JU
 Sample : P3879-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DDC59

Manual Integrations
 APPROVED

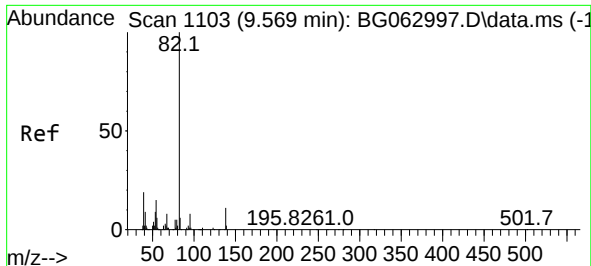
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/26/2024

Quant Time: Sep 24 01:12:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 18 00:45:18 2024
 Response via : Initial Calibration

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

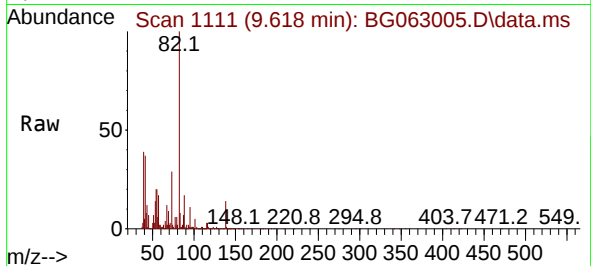
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	28478	20.000	ng/u1	0.00
20) Naphthalene-d8	10.664	136	103812	20.000	ng/u1	# 0.02
38) Acenaphthene-d10	14.501	164	71416	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.262	188	190454	20.000	ng/u1	0.03
79) Chrysene-d12	21.486	240	147626m	20.000	ng/u1	0.00
88) Perylene-d12	24.536	264	245974	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	3988	4.102	ng/uL	0.00
4) Pyridine-d5	3.743	84	8048	3.049	ng/u1	0.00
7) Phenol-d5	7.203	99	108152m	36.599	ng/u1	0.17
9) Bis-(2-Chloroethyl)eth...	7.197	67	50237	30.379	ng/u1	0.01
11) 2-Chlorophenol-d4	7.468	132	66193	34.118	ng/u1	0.08
15) 4-Methylphenol-d8	8.660	113	70445m	32.542	ng/u1	0.10
21) Nitrobenzene-d5	9.031	128	33114	40.039	ng/u1	0.03
24) 2-Nitrophenol-d4	9.747	143	31394	33.460	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.341	165	67710	34.782	ng/u1	0.07
31) 4-Chloroaniline-d4	10.776	131	17634	7.279	ng/u1	0.00
46) Dimethylphthalate-d6	13.925	166	232050	43.695	ng/u1	0.03
49) Acenaphthylene-d8	14.195	160	240821	40.600	ng/u1	0.01
54) 4-Nitrophenol-d4	14.812	143	11875m	13.954	ng/u1	0.12
60) Fluorene-d10	15.499	176	209014	42.269	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.623	200	101187m	87.890	ng/u1	0.02
73) Anthracene-d10	17.356	188	330495m	36.717	ng/u1	0.02
81) Pyrene-d10	19.642	212	295170	33.012	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.324	264	487045	37.545	ng/u1	0.01
Target Compounds					Qvalue	
23) Isophorone	9.618	82	1261782m	258.049	ng/u1	
29) 2,4-Dichlorophenol	10.364	162	67886	35.227	ng/u1	90
30) Naphthalene	10.711	128	589042	102.191	ng/u1	95
36) 2-Methylnaphthalene	12.315	142	204895	49.328	ng/u1	94
37) 1-Methylnaphthalene	12.544	142	141934	33.764	ng/u1#	97
41) 2,4,6-Trichlorophenol	12.985	196	61318m	38.879	ng/u1	
42) 2,4,5-Trichlorophenol	13.067	196	51503m	31.084	ng/u1	
43) 1,1'-Biphenyl	13.331	154	26262	4.950	ng/u1#	74
52) Acenaphthene	14.565	153	6364	1.403	ng/u1	96
58) 2,3,4,6-Tetrachlorophenol	15.182	232	4021994	2697.475	ng/u1	98
61) Fluorene	15.552	166	12462	2.421	ng/u1#	89
71) Pentachlorophenol	16.980	266	9698163	6956.884	ng/u1#	77
72) Phenanthrene	17.303	178	23885	2.361	ng/u1#	89

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



#23
Isophorone
Concen: 258.049 ng/ul m
RT: 9.618 min Scan# 1111
Delta R.T. 0.049 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06

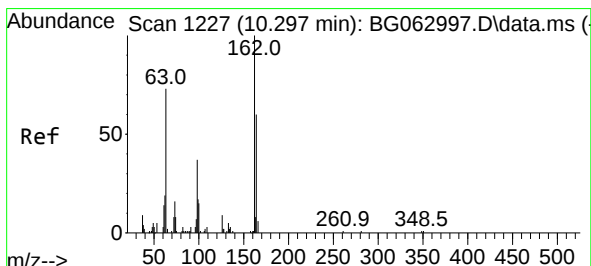
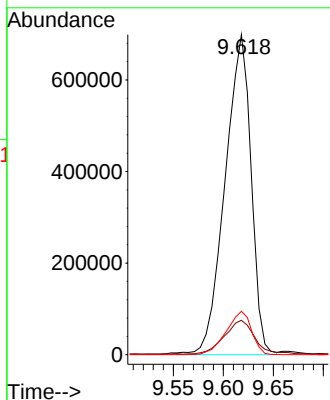
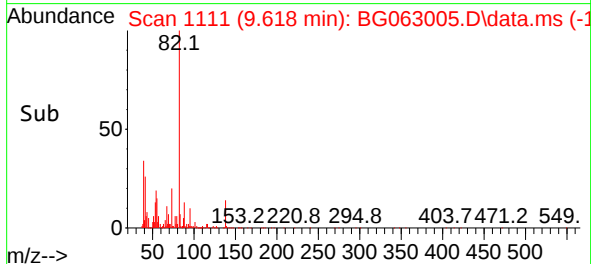
Instrument :
BNA_G
ClientSampleId :
DDC59



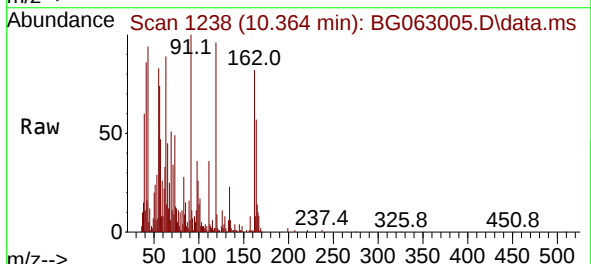
Tgt Ion: 82 Resp: 126178
Ion Ratio Lower Upper
82 100
95 10.8 6.2 9.4
138 13.6 10.9 16.3

Manual Integrations
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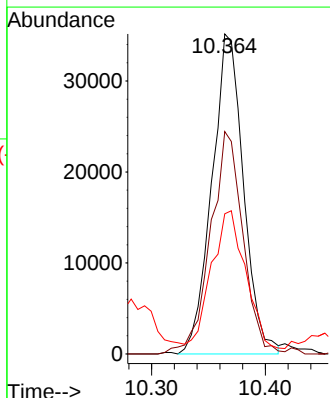
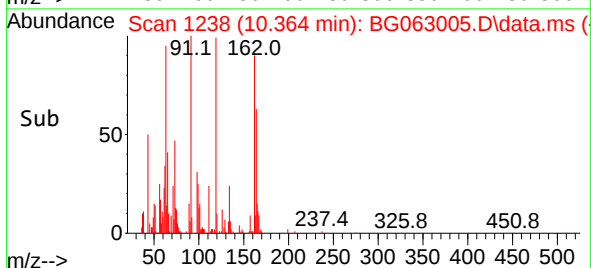
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/26/2024

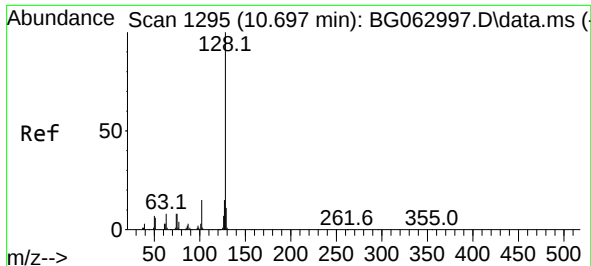


#29
2,4-Dichlorophenol
Concen: 35.227 ng/ul
RT: 10.364 min Scan# 1238
Delta R.T. 0.066 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06



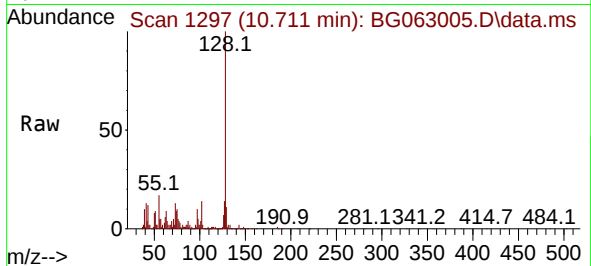
Tgt Ion:162 Resp: 67886
Ion Ratio Lower Upper
162 100
164 69.5 48.8 73.2
98 43.8 30.7 46.1





#30
Naphthalene
Concen: 102.191 ng/ul
RT: 10.711 min Scan# 11
Delta R.T. 0.014 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06

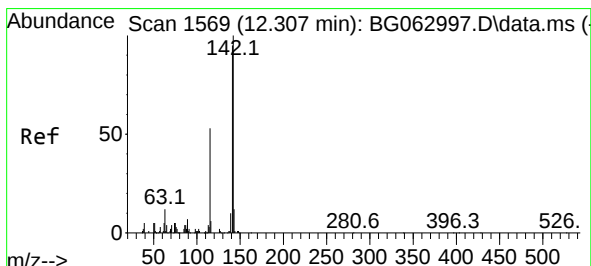
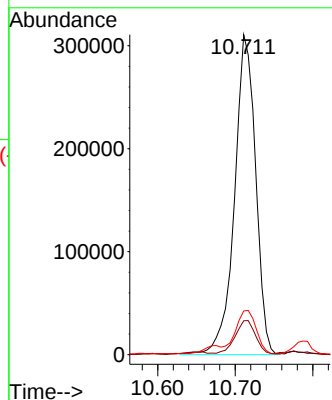
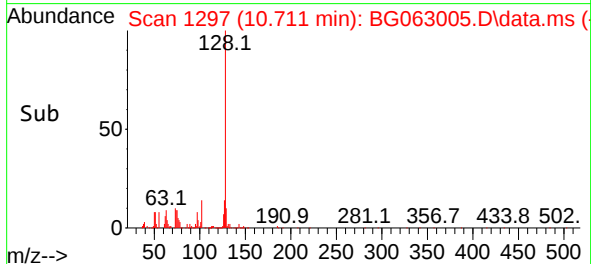
Instrument :
BNA_G
ClientSampleId :
DDC59



Tgt Ion:128 Resp: 58904
Ion Ratio Lower Upper
128 100
129 10.6 7.1 10.7
127 13.6 9.4 14.2

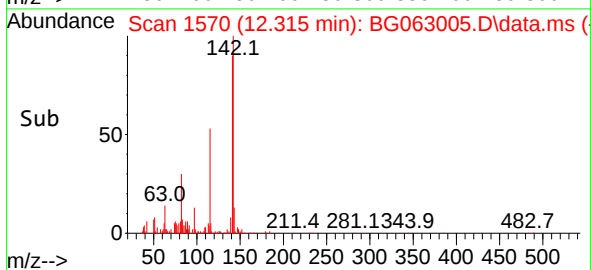
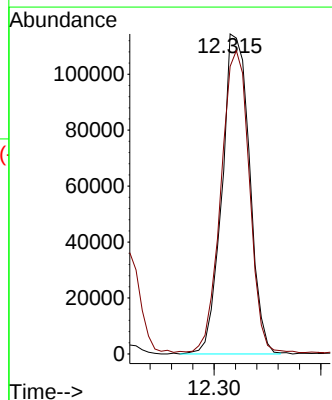
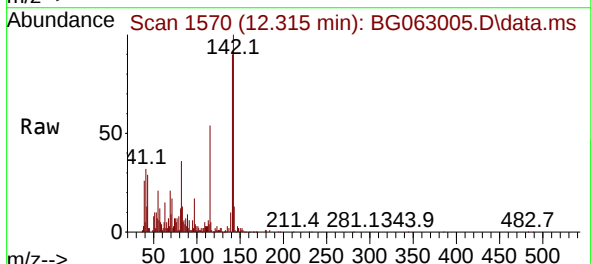
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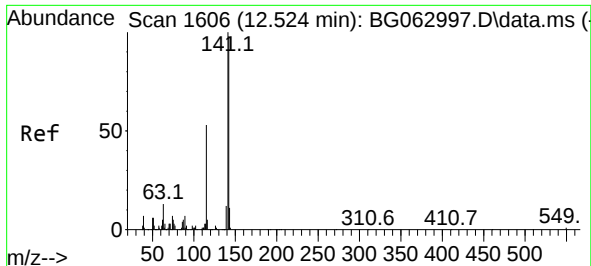
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/26/2024



#36
2-Methylnaphthalene
Concen: 49.328 ng/ul
RT: 12.315 min Scan# 1570
Delta R.T. 0.008 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06

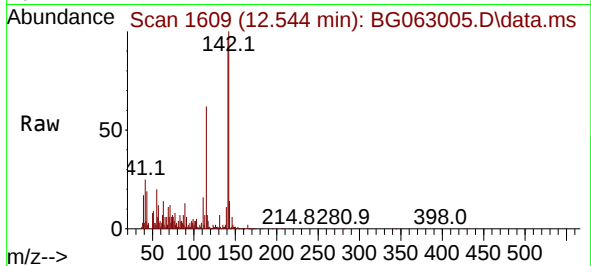
Tgt Ion:142 Resp: 204895
Ion Ratio Lower Upper
142 100
141 89.9 76.5 114.7





#37
1-Methylnaphthalene
Concen: 33.764 ng/ul
RT: 12.544 min Scan# 1609
Delta R.T. 0.019 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06

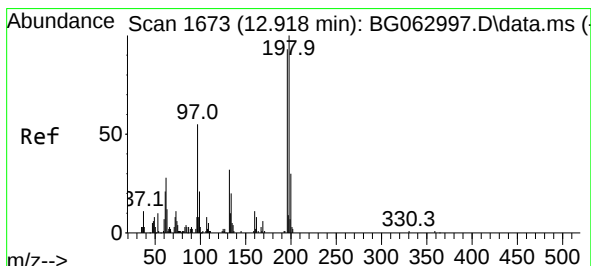
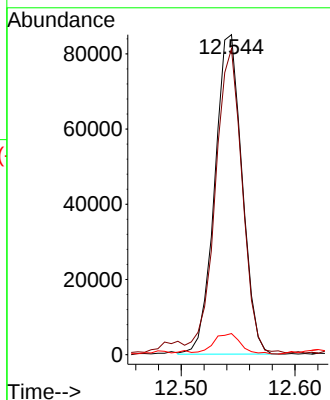
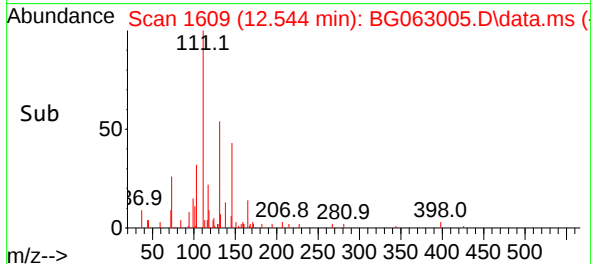
Instrument :
BNA_G
ClientSampleId :
DDC59



Tgt Ion:142 Resp: 141934
Ion Ratio Lower Upper
142 100
141 95.6 74.1 111.1
116 6.6 3.6 5.4

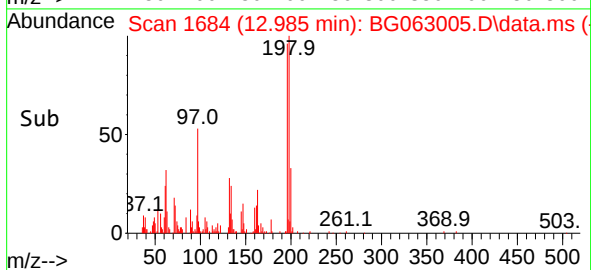
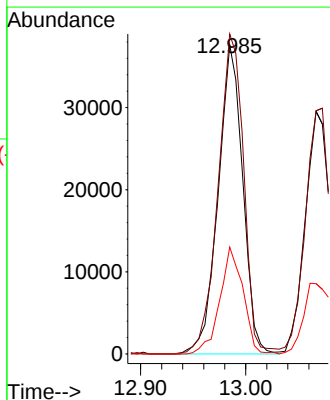
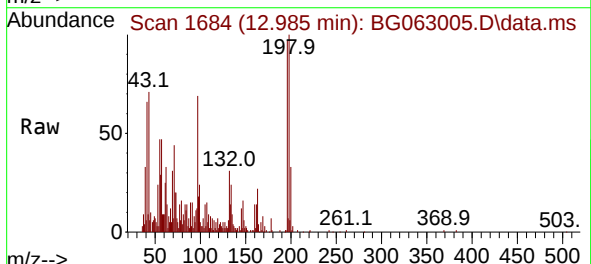
Manual Integrations
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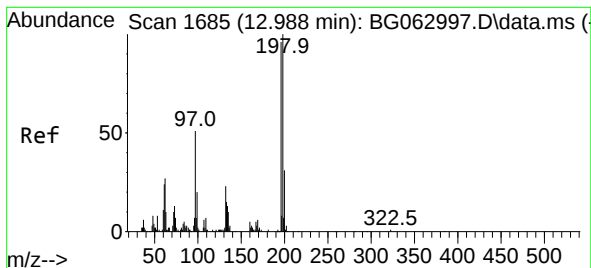
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/26/2024



#41
2,4,6-Trichlorophenol
Concen: 38.879 ng/ul m
RT: 12.985 min Scan# 1684
Delta R.T. 0.066 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06

Tgt Ion:196 Resp: 61318
Ion Ratio Lower Upper
196 100
198 103.5 81.8 122.6
200 34.6 30.5 45.7





#42

2,4,5-Trichlorophenol

Concen: 31.084 ng/ul m

RT: 13.067 min Scan# 1

Delta R.T. 0.072 min

Lab File: BG063005.D

Acq: 23 Sep 2024 23:06

Instrument :

BNA_G

ClientSampleId :

DDC59

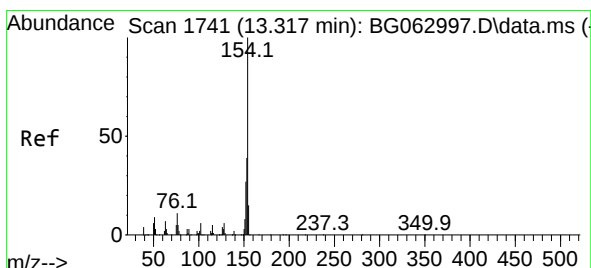
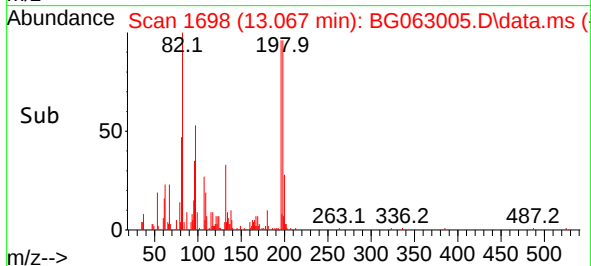
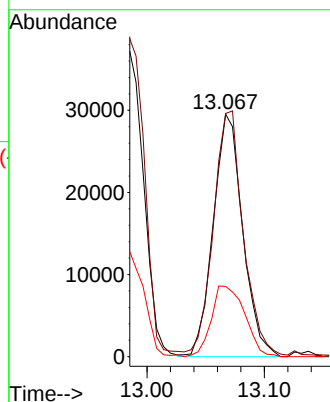
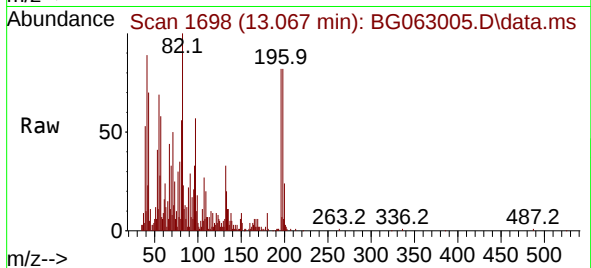
Tgt Ion:	196	Resp:	5150
Ion Ratio	Lower	Upper	
196	100		
198	100.2	75.5	113.3
200	29.0	25.5	38.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/26/2024



#43

1,1'-Biphenyl

Concen: 4.950 ng/ul

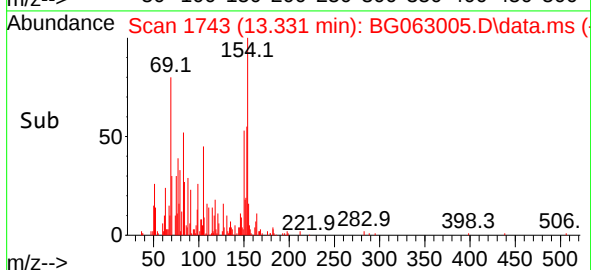
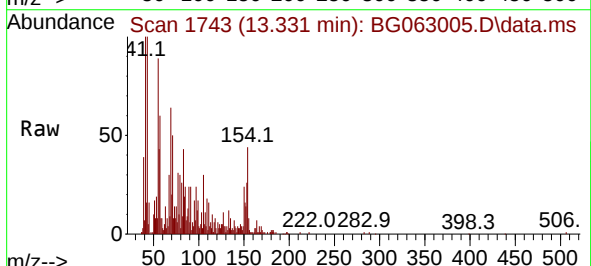
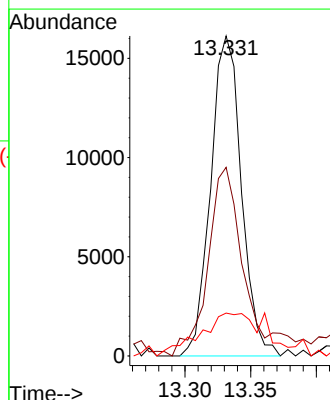
RT: 13.331 min Scan# 1743

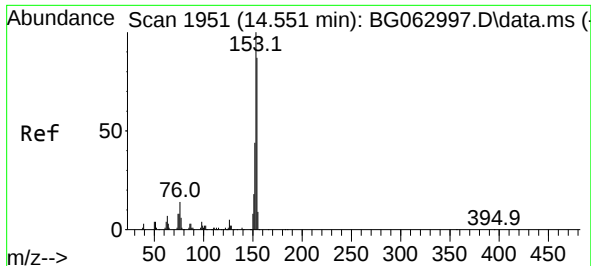
Delta R.T. 0.013 min

Lab File: BG063005.D

Acq: 23 Sep 2024 23:06

Tgt Ion:	154	Resp:	26262
Ion Ratio	Lower	Upper	
154	100		
153	59.0	30.3	45.5
76	13.4	11.9	17.9





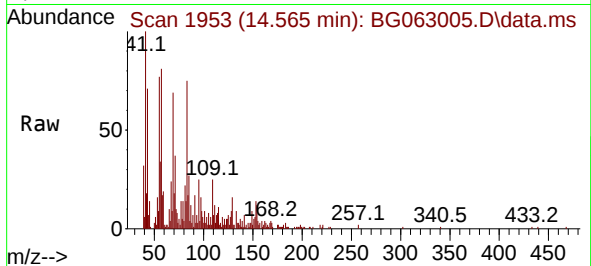
#52
Acenaphthene
Concen: 1.403 ng/u1
RT: 14.565 min Scan# 1953
Delta R.T. 0.013 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06

Instrument :

BNA_G

ClientSampleId :

DDC59



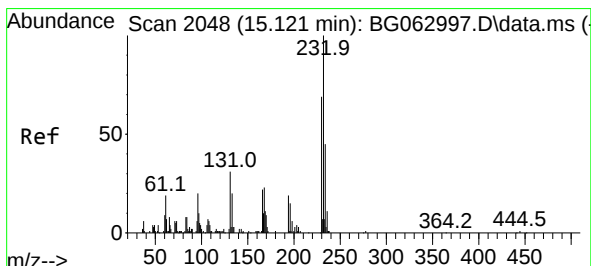
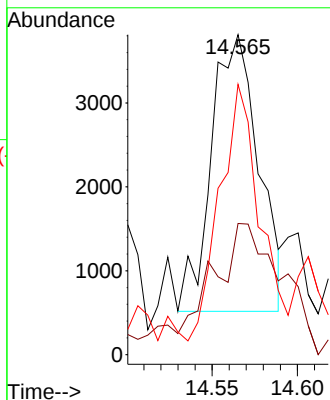
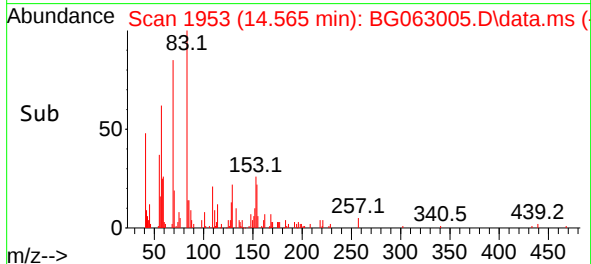
Tgt Ion:153 Resp: 6364
Ion Ratio Lower Upper
153 100
152 41.0 35.8 53.8
154 84.4 69.5 104.3

Manual Integrations

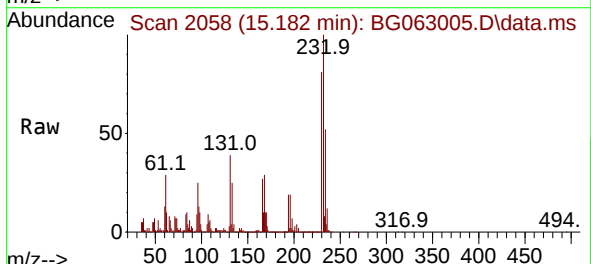
APPROVED

Reviewed By :Yogesh Patel 09/25/2024

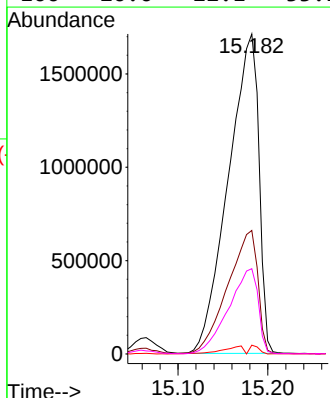
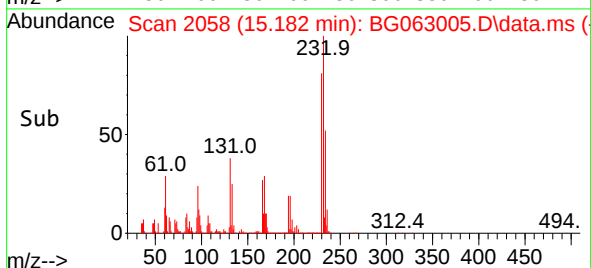
Supervised By :mohammad ahmed 09/26/2024

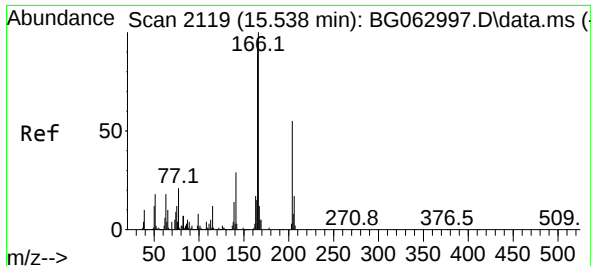


#58
2,3,4,6-Tetrachlorophenol
Concen: 2697.475 ng/u1
RT: 15.182 min Scan# 2058
Delta R.T. 0.066 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06



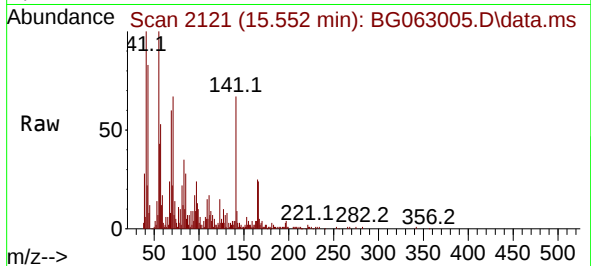
Tgt Ion:232 Resp: 4021994
Ion Ratio Lower Upper
232 100
131 38.6 31.9 47.9
130 2.7 1.9 2.9
166 26.6 22.1 33.1





#61
Fluorene
Concen: 2.421 ng/ul
RT: 15.552 min Scan# 2119
Delta R.T. 0.013 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06

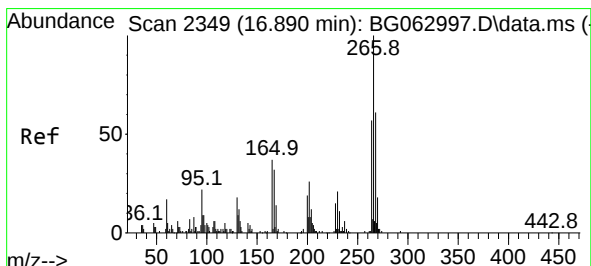
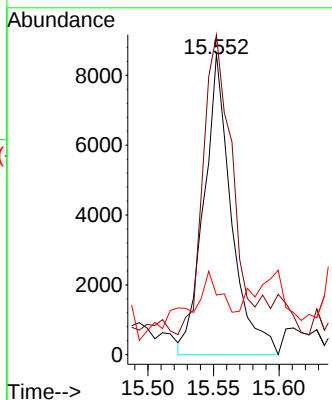
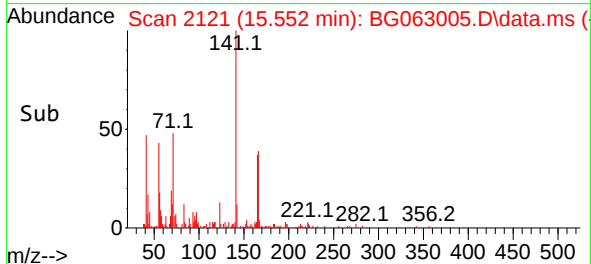
Instrument :
BNA_G
ClientSampleId :
DDC59



Tgt Ion:166 Resp: 12462
Ion Ratio Lower Upper
166 100
165 106.4 77.2 115.8
167 19.8 10.8 16.2

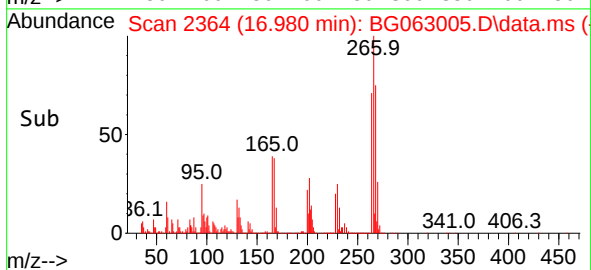
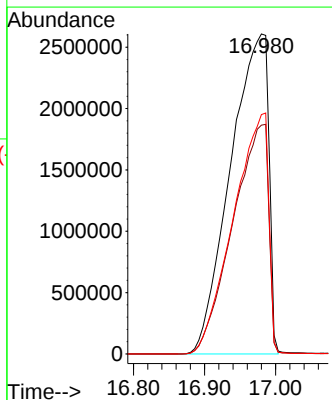
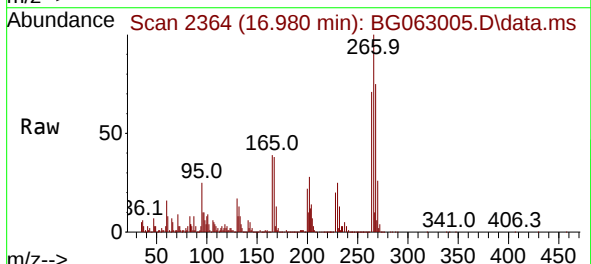
Manual Integrations
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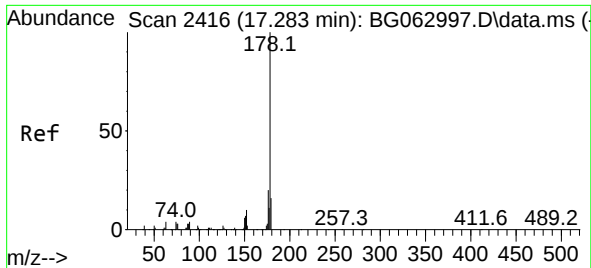
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/26/2024



#71
Pentachlorophenol
Concen: 6956.884 ng/ul
RT: 16.980 min Scan# 2364
Delta R.T. 0.090 min
Lab File: BG063005.D
Acq: 23 Sep 2024 23:06

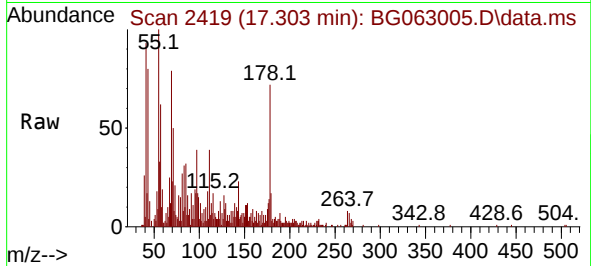
Tgt Ion:266 Resp: 9698163
Ion Ratio Lower Upper
266 100
264 71.5 43.0 64.4#
268 74.8 47.2 70.8#





#72
 Phenanthrene
 Concen: 2.361 ng/ul
 RT: 17.303 min Scan# 2419
 Delta R.T. 0.025 min
 Lab File: BG063005.D
 Acq: 23 Sep 2024 23:06

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.1	12.3	18.5
176	17.1	15.5	23.3

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 Supervised By :mohammad ahmed 09/26/2024

