

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082324\
 Data File : BG062563.D
 Acq On : 23 Aug 2024 11:48
 Operator : MA/JU
 Sample : P3696-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GCN87

Manual Integrations
 APPROVED

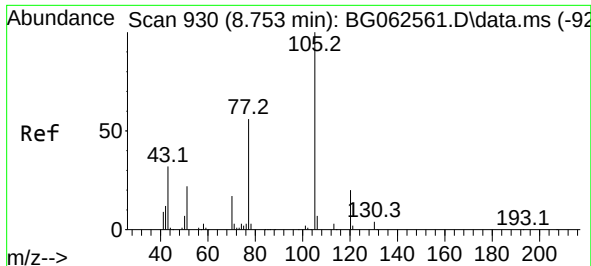
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024

Quant Time: Aug 23 13:30:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 20 23:01:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	87548	20.000	ng/u1	0.00
20) Naphthalene-d8	10.731	136	397795	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.567	164	245549	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.334	188	402060	20.000	ng/u1	# 0.03
79) Chrysene-d12	21.563	240	436998	20.000	ng/u1	0.02
88) Perylene-d12	24.653	264	505902	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	3726	1.616	ng/uL	0.00
4) Pyridine-d5	3.817	84	3718	0.529	ng/u1	0.00
7) Phenol-d5	7.100	99	94904	10.897	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.265	67	59524	10.850	ng/u1	0.00
11) 2-Chlorophenol-d4	7.470	132	74025	12.443	ng/u1	0.00
15) 4-Methylphenol-d8	8.634	113	85651	11.732	ng/u1	0.00
21) Nitrobenzene-d5	9.086	128	38264	14.999	ng/u1	0.00
24) 2-Nitrophenol-d4	9.808	143	41916	16.517	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.349	165	87038	13.466	ng/u1	0.00
31) 4-Chloroaniline-d4	10.854	131	41092	4.009	ng/u1	-0.01
46) Dimethylphthalate-d6	13.967	166	248180	12.994	ng/u1	0.00
49) Acenaphthylene-d8	14.255	160	288450	13.640	ng/u1	0.00
54) 4-Nitrophenol-d4	14.761	143	42847	14.062	ng/u1	0.01
60) Fluorene-d10	15.565	176	231670	13.448	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.683	200	34374	18.817	ng/u1	0.02
73) Anthracene-d10	17.433	188	270619	14.011	ng/u1	0.03
81) Pyrene-d10	19.707	212	276461	10.802	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.436	264	223438	8.322	ng/u1	0.02
Target Compounds					Qvalue	
16) Acetophenone	8.751	105	12692	1.061	ng/u1	98
36) 2-Methylnaphthalene	12.387	142	89978	5.523	ng/u1	94
37) 1-Methylnaphthalene	12.605	142	78160	4.702	ng/u1#	99
58) 2,3,4,6-Tetrachlorophenol	15.201	232	216708	45.514	ng/u1#	85
71) Pentachlorophenol	17.034	266	6231654m	2031.332	ng/u1	
72) Phenanthrene	17.375	178	219165	9.701	ng/u1#	85
80) Fluoranthene	19.378	202	207982	7.274	ng/u1#	94
82) Pyrene	19.736	202	820171	26.615	ng/u1	97
85) Benzo(a)anthracene	21.540	228	64141m	2.022	ng/u1	
87) Chrysene	21.604	228	315288	10.485	ng/u1	99

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



#16
Acetophenone
Concen: 1.061 ng/ul
RT: 8.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG062563.D
Acq: 23 Aug 2024 11:48

Instrument :

BNA_G

ClientSampleId :

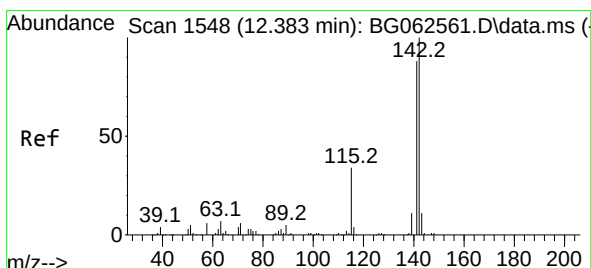
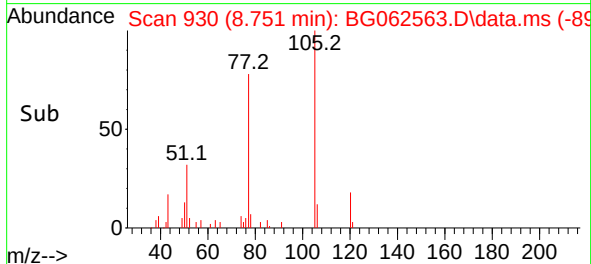
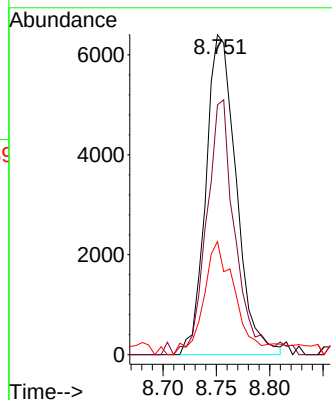
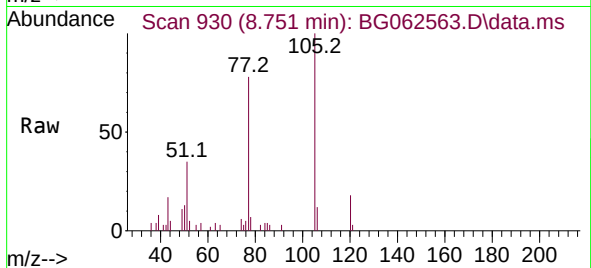
GCN87

Tgt Ion:105 Resp: 12692
Ion Ratio Lower Upper
105 100
77 78.0 64.6 97.0
51 35.3 27.8 41.8

Manual Integrations

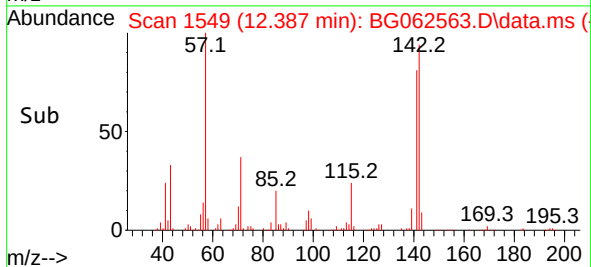
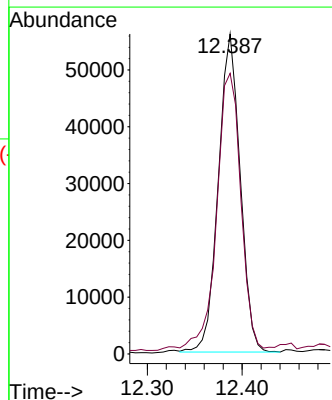
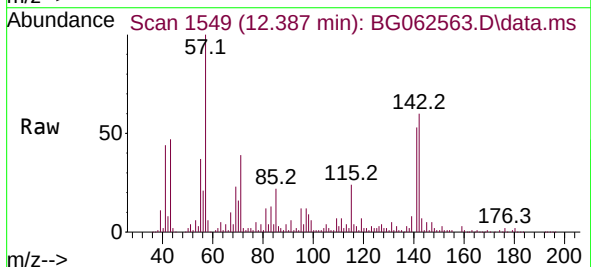
APPROVED

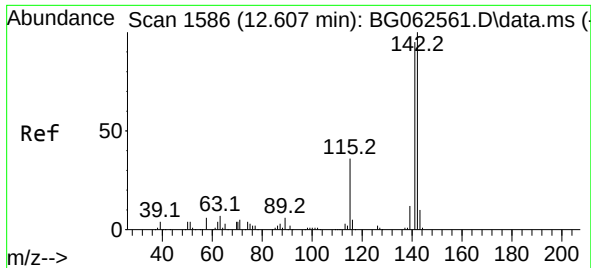
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#36
2-Methylnaphthalene
Concen: 5.523 ng/ul
RT: 12.387 min Scan# 1549
Delta R.T. -0.001 min
Lab File: BG062563.D
Acq: 23 Aug 2024 11:48

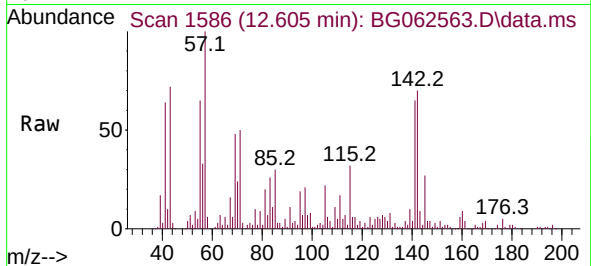
Tgt Ion:142 Resp: 89978
Ion Ratio Lower Upper
142 100
141 87.7 75.0 112.4





#37
1-Methylnaphthalene
Concen: 4.702 ng/ul
RT: 12.605 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG062563.D
Acq: 23 Aug 2024 11:48

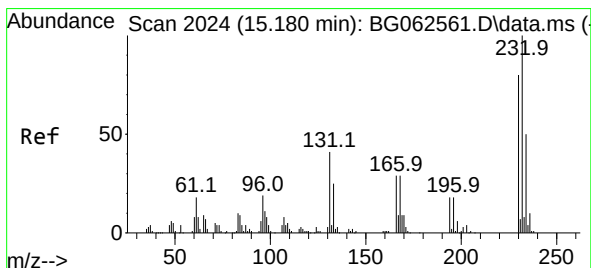
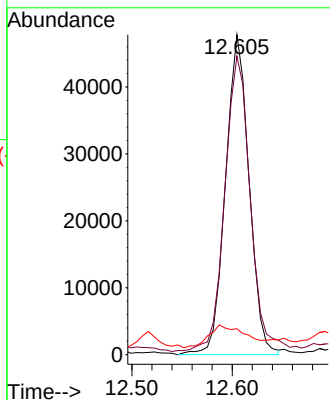
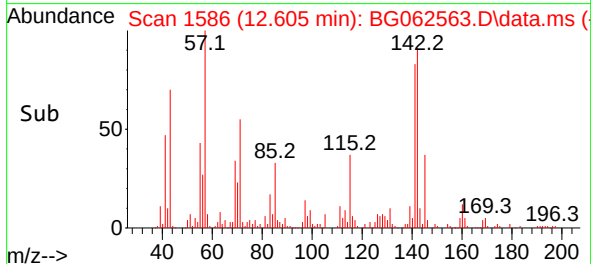
Instrument :
BNA_G
ClientSampleId :
GCN87



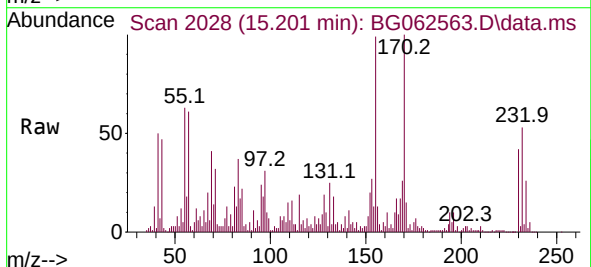
Tgt Ion:142 Resp: 78160
Ion Ratio Lower Upper
142 100
141 93.3 74.3 111.5
116 8.1 3.2 4.8

Manual Integrations
APPROVED

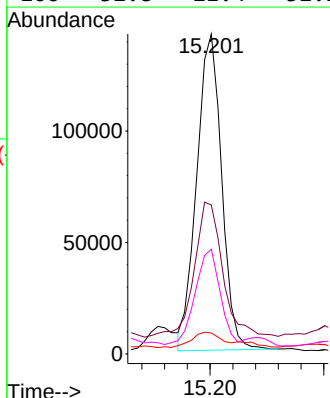
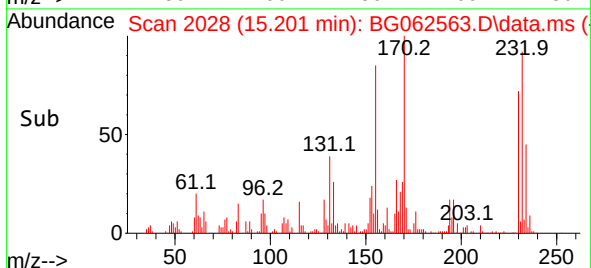
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

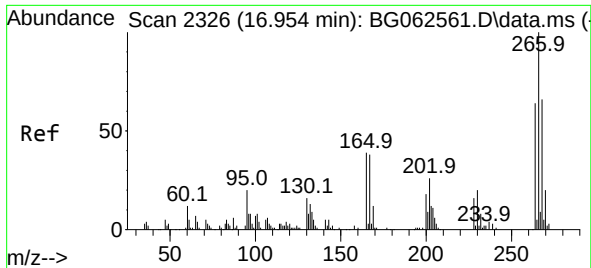


#58
2,3,4,6-Tetrachlorophenol
Concen: 45.514 ng/ul
RT: 15.201 min Scan# 2028
Delta R.T. 0.017 min
Lab File: BG062563.D
Acq: 23 Aug 2024 11:48



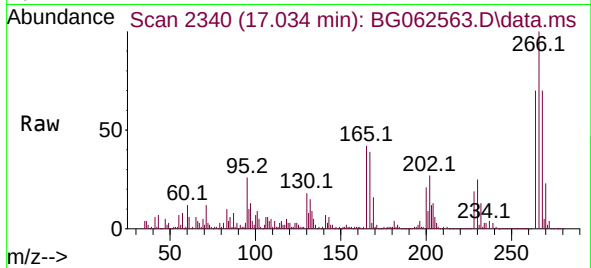
Tgt Ion:232 Resp: 216708
Ion Ratio Lower Upper
232 100
131 46.5 28.7 43.1#
130 6.6 1.5 2.3#
166 32.8 21.4 32.2#





#71
 Pentachlorophenol
 Concen: 2031.332 ng/ul m
 RT: 17.034 min Scan# 21
 Delta R.T. 0.082 min
 Lab File: BG062563.D
 Acq: 23 Aug 2024 11:48

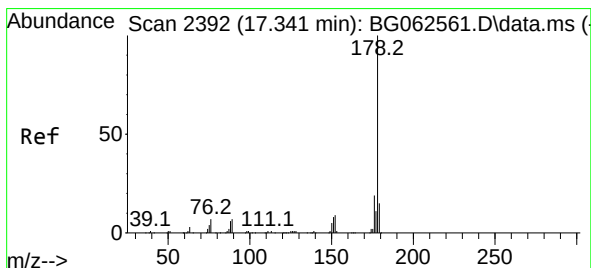
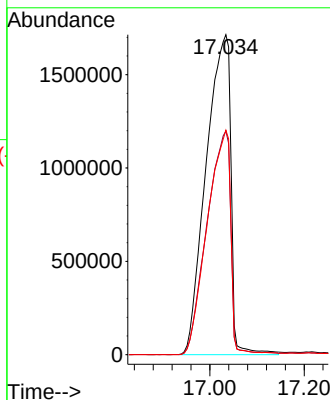
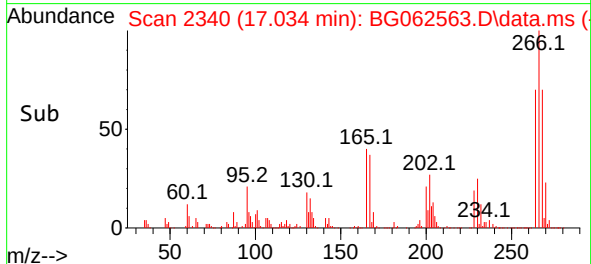
Instrument :
 BNA_G
 ClientSampleId :
 GCN87



Tgt Ion:266 Resp: 6231654
 Ion Ratio Lower Upper
 266 100
 264 69.9 49.4 74.2
 268 70.1 50.1 75.1

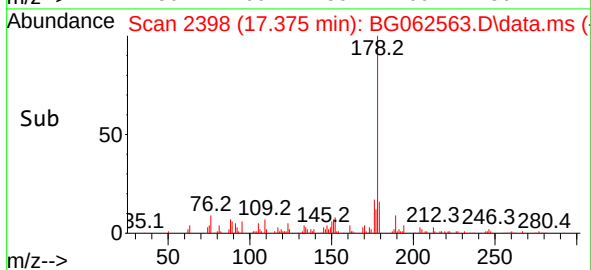
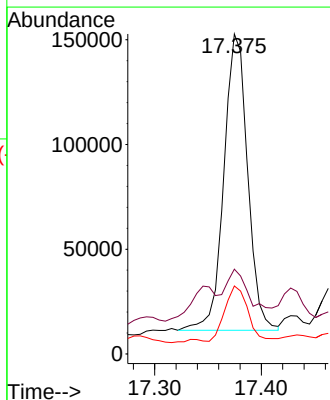
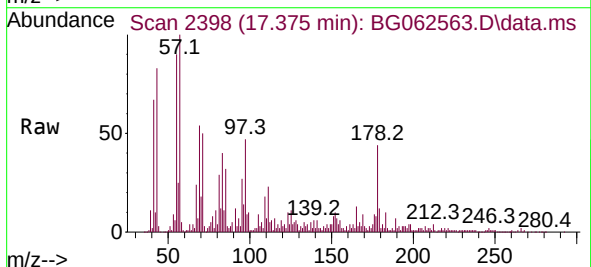
Manual Integrations
 APPROVED

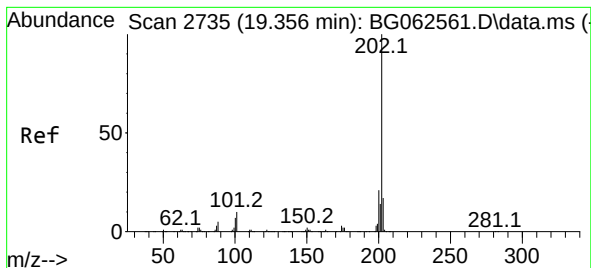
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024



#72
 Phenanthrene
 Concen: 9.701 ng/ul
 RT: 17.375 min Scan# 2398
 Delta R.T. 0.029 min
 Lab File: BG062563.D
 Acq: 23 Aug 2024 11:48

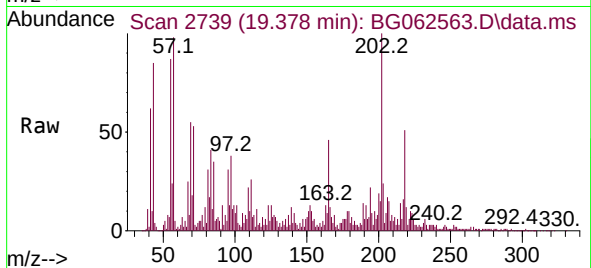
Tgt Ion:178 Resp: 219165
 Ion Ratio Lower Upper
 178 100
 179 26.5 12.4 18.6#
 176 21.3 15.2 22.8





#80
Fluoranthene
Concen: 7.274 ng/ul
RT: 19.378 min Scan# 21
Delta R.T. 0.029 min
Lab File: BG062563.D
Acq: 23 Aug 2024 11:48

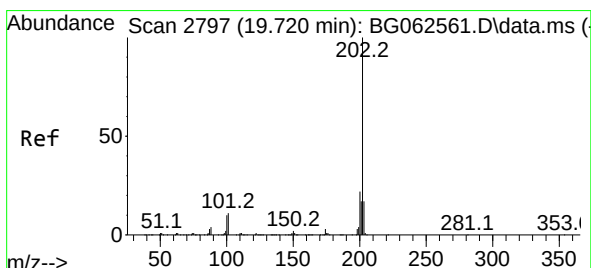
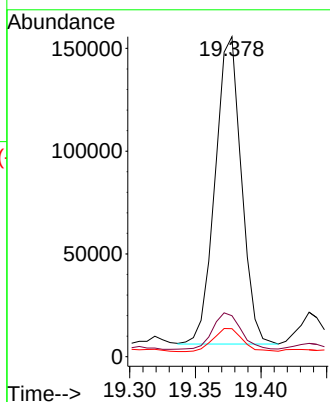
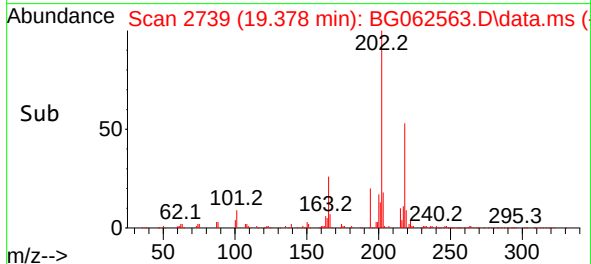
Instrument :
BNA_G
ClientSampleId :
GCN87



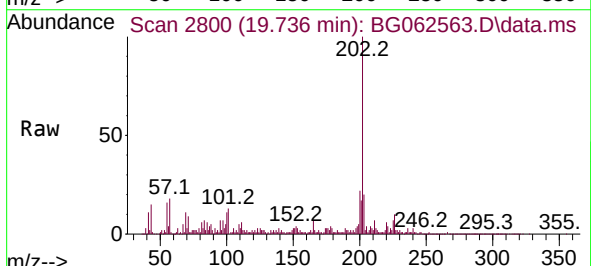
Tgt Ion:202 Resp: 20798
Ion Ratio Lower Upper
202 100
101 12.8 7.6 11.4
100 8.8 6.2 9.2

Manual Integrations
APPROVED

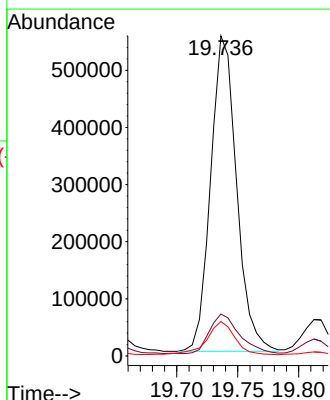
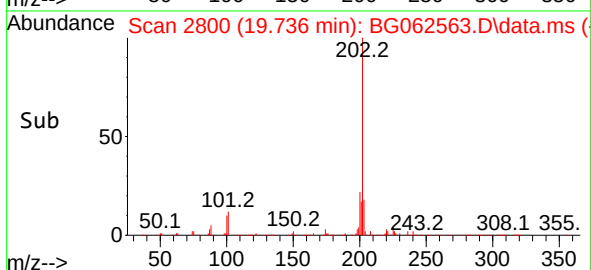
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

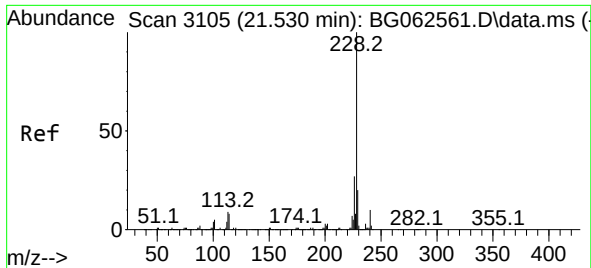


#82
Pyrene
Concen: 26.615 ng/ul
RT: 19.736 min Scan# 2800
Delta R.T. 0.023 min
Lab File: BG062563.D
Acq: 23 Aug 2024 11:48



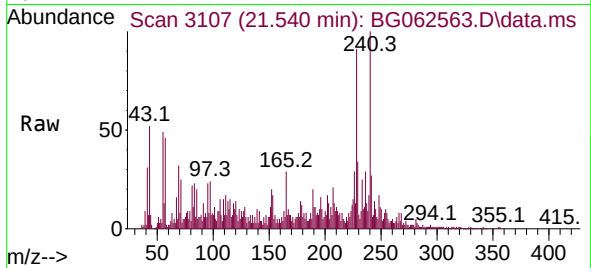
Tgt Ion:202 Resp: 820171
Ion Ratio Lower Upper
202 100
101 13.1 9.0 13.6
100 10.8 8.2 12.4





#85
Benzo(a)anthracene
Concen: 2.022 ng/ul m
RT: 21.540 min Scan# 3107
Delta R.T. 0.011 min
Lab File: BG062563.D
Acq: 23 Aug 2024 11:48

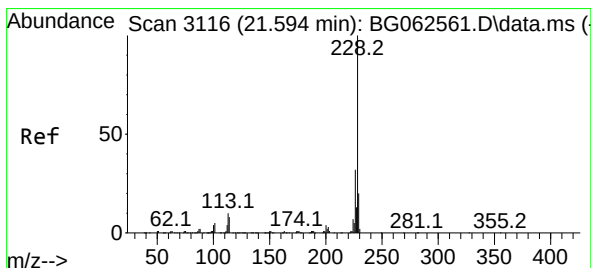
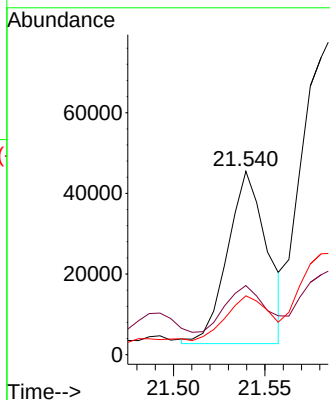
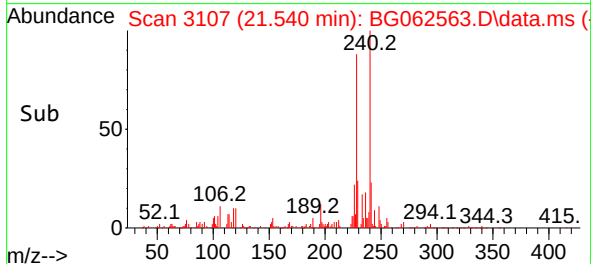
Instrument :
BNA_G
ClientSampleId :
GCN87



Tgt Ion:228 Resp: 6414
Ion Ratio Lower Upper
228 100
229 37.7 16.2 24.4
226 32.1 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#87
Chrysene
Concen: 10.485 ng/ul
RT: 21.604 min Scan# 3118
Delta R.T. 0.017 min
Lab File: BG062563.D
Acq: 23 Aug 2024 11:48

Tgt Ion:228 Resp: 315288
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.2
229 19.4 15.2 22.8

