

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
 Data File : BG063668.D
 Acq On : 12 Dec 2024 15:12
 Operator : RC/JU
 Sample : P5153-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q4

Manual Integrations
 APPROVED

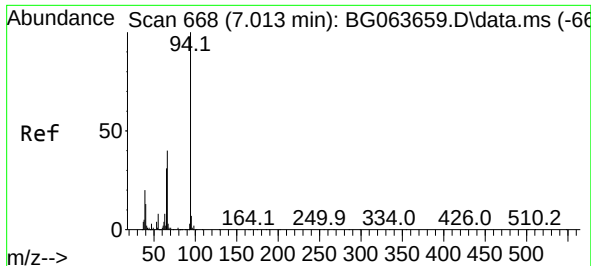
Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

Quant Time: Dec 12 22:41:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	241551	20.000	ng/u1	0.00
20) Naphthalene-d8	10.608	136	910052	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.456	164	581054	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.206	188	1177885	20.000	ng/u1	0.00
79) Chrysene-d12	21.471	240	1040743	20.000	ng/u1	# 0.01
88) Perylene-d12	24.533	264	842826	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	24561	3.985	ng/uL	0.01
4) Pyridine-d5	3.704	84	391376	20.128	ng/u1	0.02
7) Phenol-d5	7.006	99	486107	21.851	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.147	67	364476	23.721	ng/u1	0.00
11) 2-Chlorophenol-d4	7.359	132	344359	23.910	ng/u1	0.01
15) 4-Methylphenol-d8	8.534	113	293698	17.004	ng/u1	0.00
21) Nitrobenzene-d5	8.968	128	158256	24.355	ng/u1	0.00
24) 2-Nitrophenol-d4	9.691	143	143577	19.712	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.238	165	340862	24.171	ng/u1	0.00
31) 4-Chloroaniline-d4	10.743	131	55665	3.109	ng/u1	0.00
46) Dimethylphthalate-d6	13.863	166	1085404	27.452	ng/u1	0.00
49) Acenaphthylene-d8	14.145	160	833643	18.496	ng/u1	0.00
54) 4-Nitrophenol-d4	14.697	143	65337	11.663	ng/u1	0.02
60) Fluorene-d10	15.449	176	884469	25.301	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.561	200	864	0.141	ng/u1	-0.02
73) Anthracene-d10	17.306	188	1181605	23.333	ng/u1	0.00
81) Pyrene-d10	19.609	212	1369345	25.284	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.321	264	921805m	23.290	ng/u1	0.05
Target Compounds				Qvalue		
8) Phenol	7.035	94	42746m	1.803	ng/u1	
30) Naphthalene	10.655	128	93662	2.059	ng/u1	97
36) 2-Methylnaphthalene	12.265	142	139166	4.256	ng/u1	97
37) 1-Methylnaphthalene	12.488	142	42727	1.283	ng/u1	85
72) Phenanthrene	17.247	178	254679	4.487	ng/u1#	91
74) Anthracene	17.341	178	60254	1.049	ng/u1#	77
80) Fluoranthene	19.274	202	221885	3.605	ng/u1#	96
82) Pyrene	19.638	202	247251	3.775	ng/u1#	93
85) Benzo(a)anthracene	21.454	228	157462	2.414	ng/u1#	67
86) Bis(2-ethylhexyl)phtha...	21.366	149	60882	2.082	ng/u1#	90
87) Chrysene	21.518	228	221609	3.565	ng/u1#	69
90) Benzo(b)fluoranthene	23.569	252	251659	5.254	ng/u1#	37
91) Benzo(k)fluoranthene	23.610	252	113888m	2.383	ng/u1	
93) Benzo(a)pyrene	24.392	252	136003m	3.025	ng/u1	
94) Indeno(1,2,3-cd)pyrene	27.981	276	92108m	1.677	ng/u1	
96) Benzo(g,h,i)perylene	29.045	276	106339m	2.441	ng/u1	

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



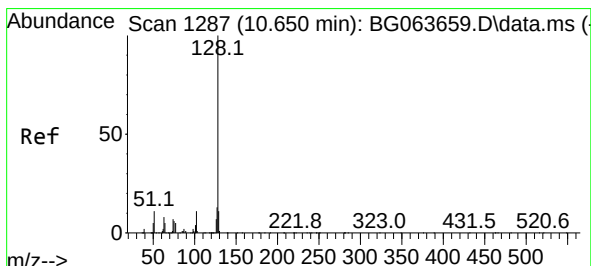
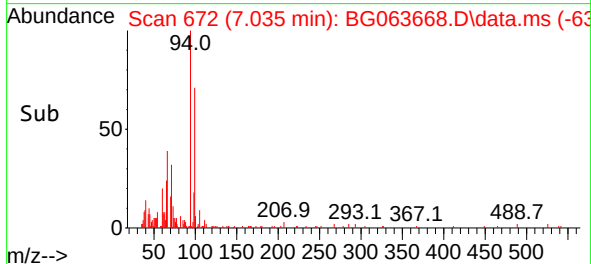
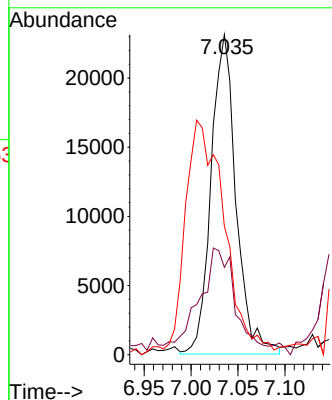
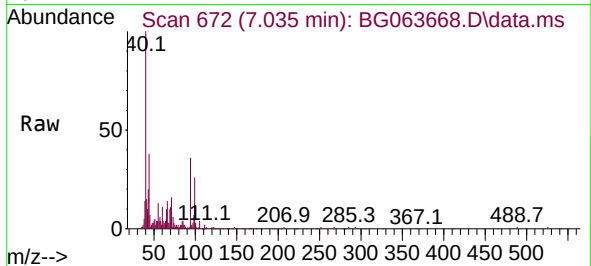
#8
Phenol
Concen: 1.803 ng/ul m
RT: 7.035 min Scan# 6
Delta R.T. 0.017 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

Instrument :
BNA_G
ClientSampleId :
E28Q4

Tgt Ion:	94	Resp:	42740
Ion	Ratio	Lower	Upper
94	100		
65	27.3	25.6	38.4
66	40.1	34.2	51.2

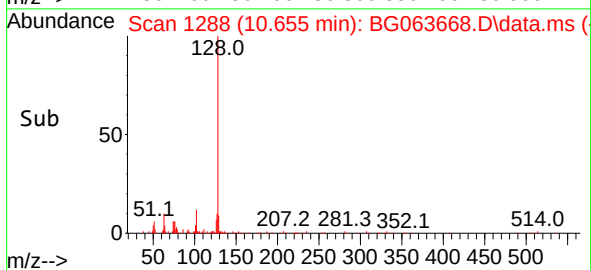
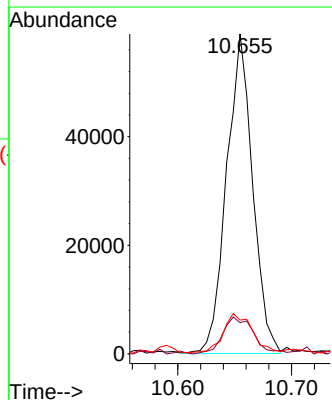
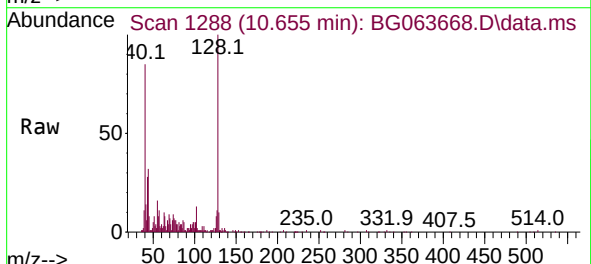
Manual Integrations
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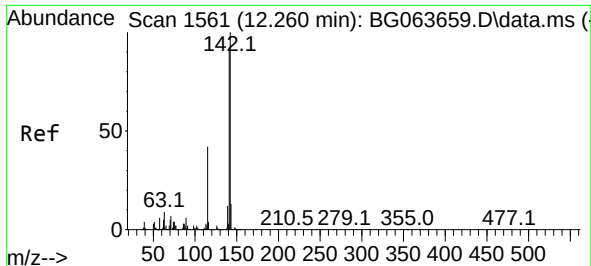
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#30
Naphthalene
Concen: 2.059 ng/ul
RT: 10.655 min Scan# 1288
Delta R.T. 0.005 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

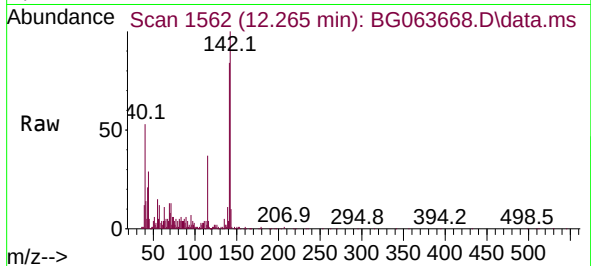
Tgt Ion:	128	Resp:	93662
Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.2	12.2
127	10.6	9.8	14.8





#36
2-Methylnaphthalene
Concen: 4.256 ng/ul
RT: 12.265 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

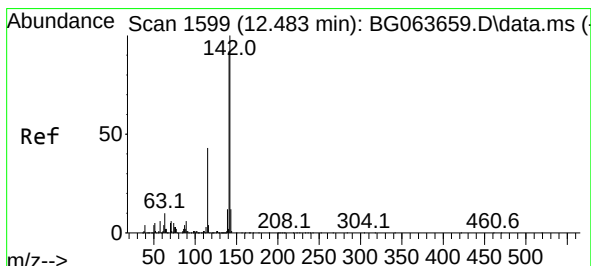
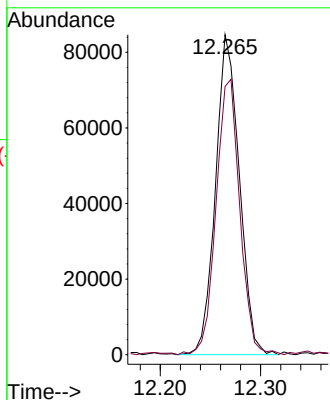
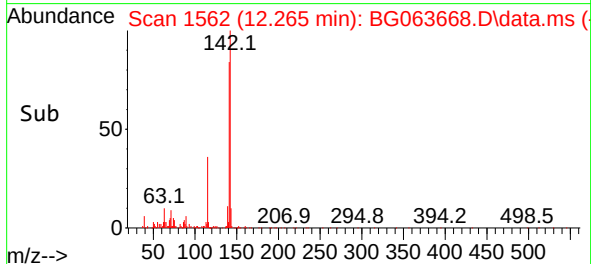
Instrument :
BNA_G
ClientSampleId :
E28Q4



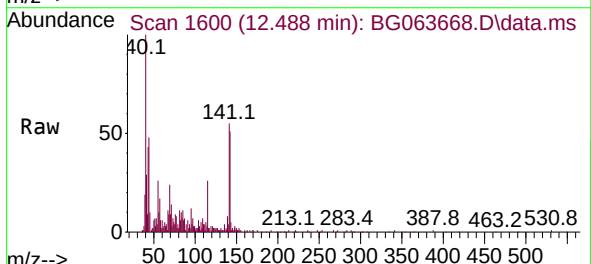
Tgt Ion:142 Resp: 139160
Ion Ratio Lower Upper
142 100
141 83.8 69.5 104.3

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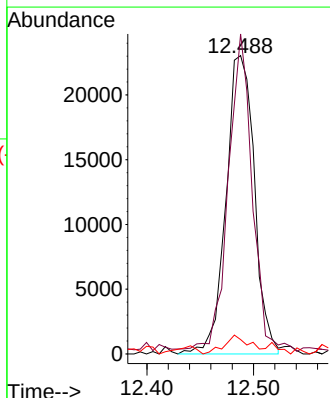
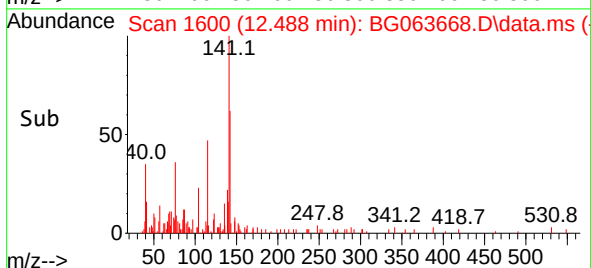
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024

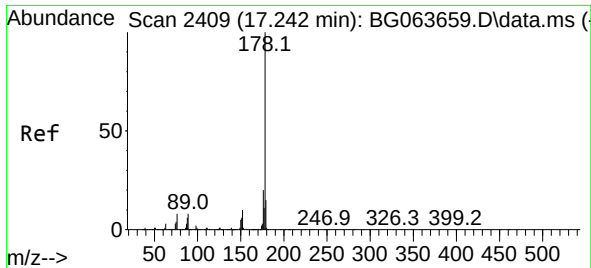


#37
1-Methylnaphthalene
Concen: 1.283 ng/ul
RT: 12.488 min Scan# 1600
Delta R.T. -0.001 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12



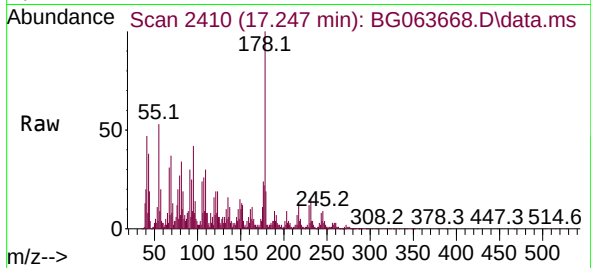
Tgt Ion:142 Resp: 42727
Ion Ratio Lower Upper
142 100
141 107.3 73.8 110.6
116 4.9 3.5 5.3





#72
Phenanthrene
Concen: 4.487 ng/ul
RT: 17.247 min Scan# 2410
Delta R.T. -0.001 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

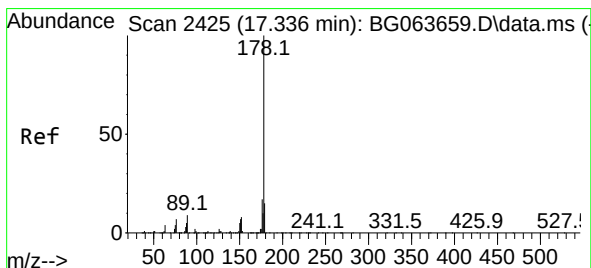
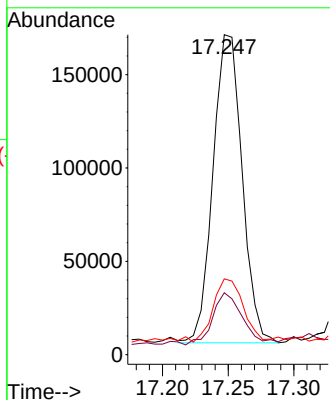
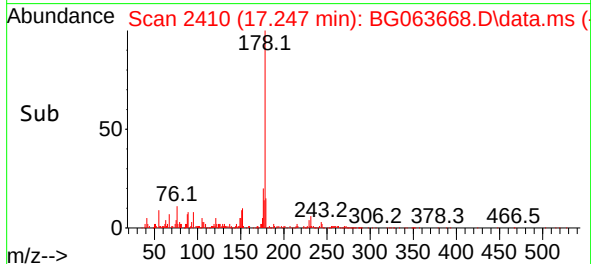
Instrument :
BNA_G
ClientSampleId :
E28Q4



Tgt Ion:178 Resp: 254679
Ion Ratio Lower Upper
178 100
179 19.3 12.2 18.2
176 23.7 15.8 23.6

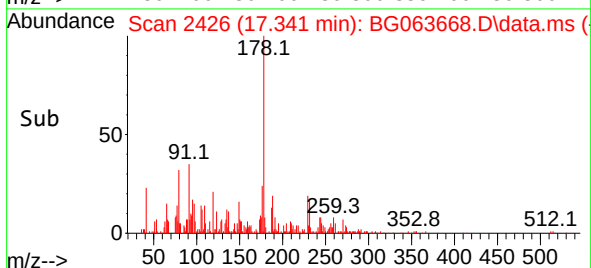
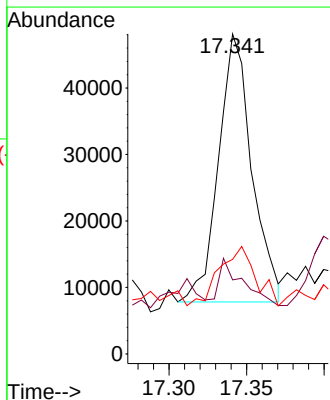
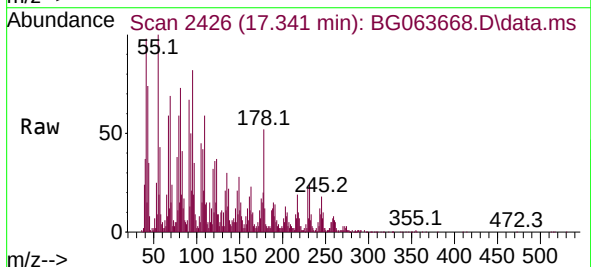
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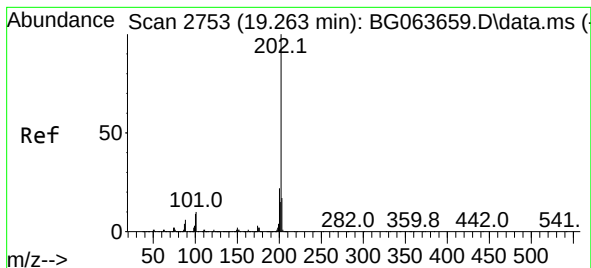
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#74
Anthracene
Concen: 1.049 ng/ul
RT: 17.341 min Scan# 2426
Delta R.T. 0.005 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

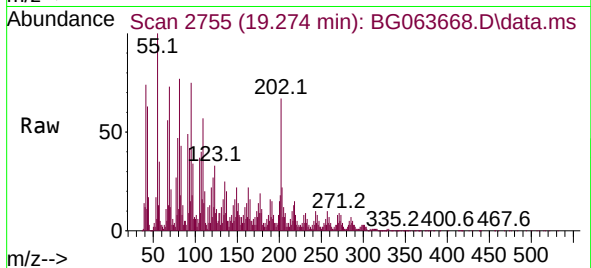
Tgt Ion:178 Resp: 60254
Ion Ratio Lower Upper
178 100
179 23.2 12.4 18.6#
176 29.6 14.4 21.6#





#80
Fluoranthene
Concen: 3.605 ng/u1
RT: 19.274 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

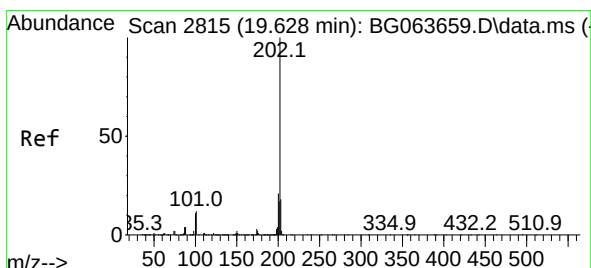
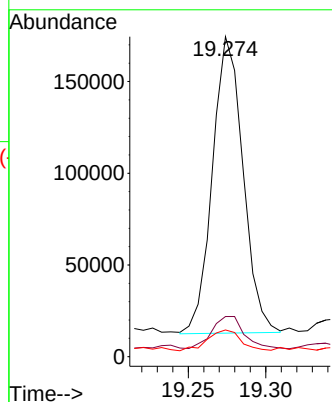
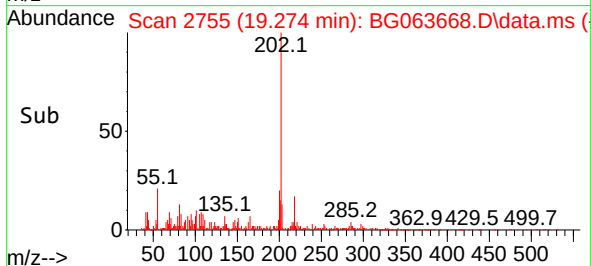
Instrument :
BNA_G
ClientSampleId :
E28Q4



Tgt Ion:202 Resp: 221885
Ion Ratio Lower Upper
202 100
101 12.5 8.1 12.1#
100 8.3 6.5 9.7

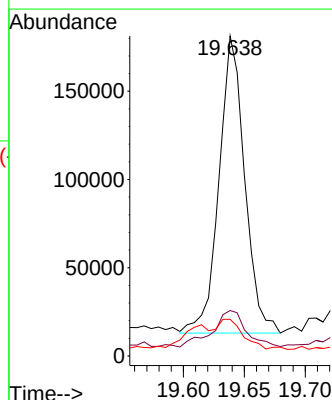
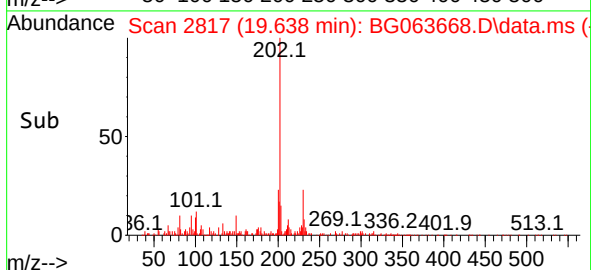
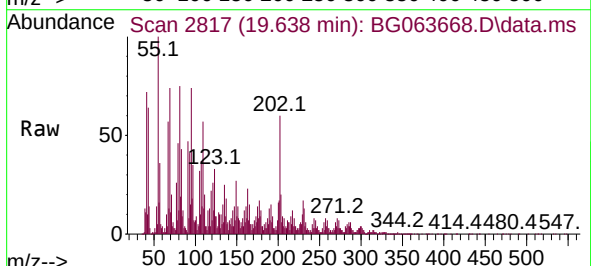
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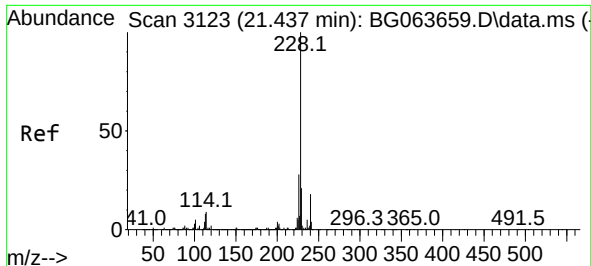
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#82
Pyrene
Concen: 3.775 ng/u1
RT: 19.638 min Scan# 2817
Delta R.T. 0.005 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

Tgt Ion:202 Resp: 247251
Ion Ratio Lower Upper
202 100
101 14.2 8.7 13.1#
100 11.5 7.8 11.6





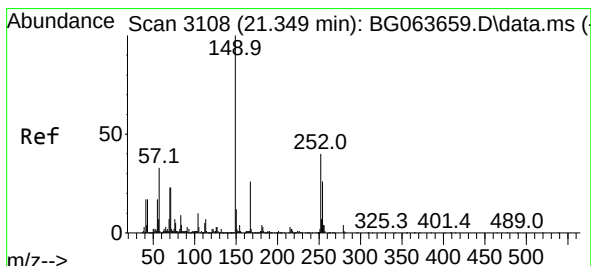
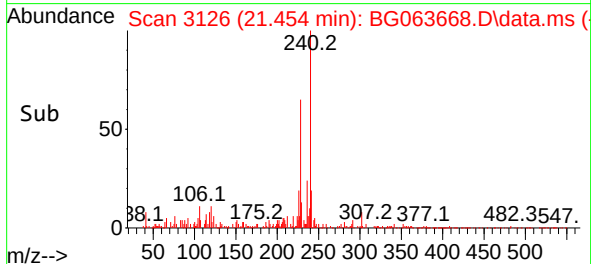
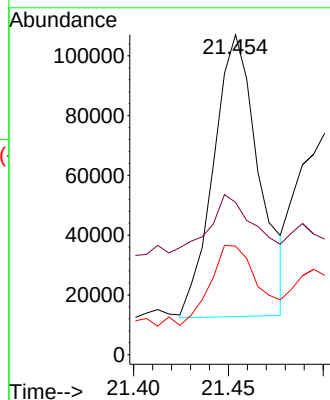
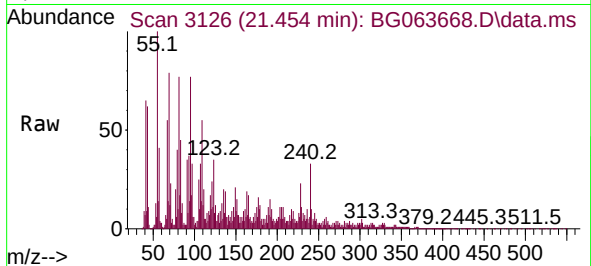
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Benzo(a)anthracene
Concen: 2.414 ng/ul
RT: 21.454 min Scan# 3112
Delta R.T. 0.011 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

Instrument :
BNA_G
ClientSampleId :
E28Q4

Tgt Ion:228 Resp: 157462
Ion Ratio Lower Upper
228 100
229 47.6 15.7 23.5
226 33.9 22.0 33.0

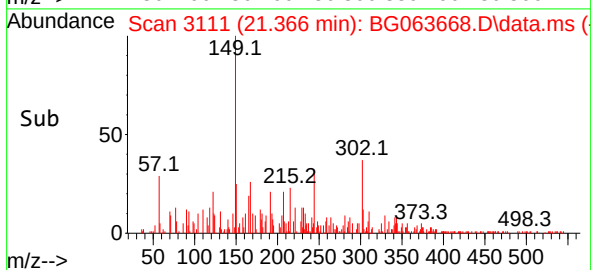
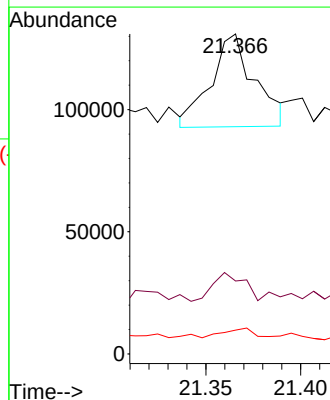
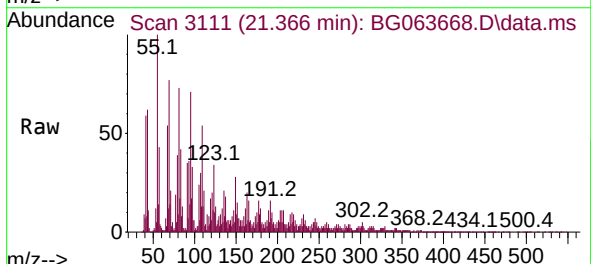
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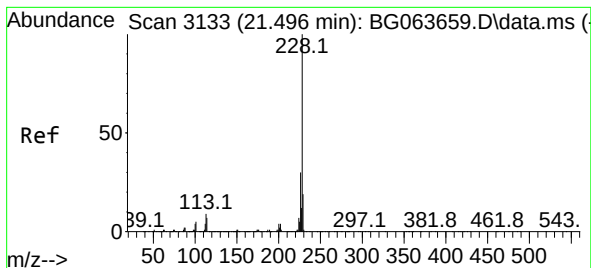
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 2.082 ng/ul
RT: 21.366 min Scan# 3111
Delta R.T. 0.011 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

Tgt Ion:149 Resp: 60882
Ion Ratio Lower Upper
149 100
167 22.8 22.1 33.1
279 7.5 2.9 4.3





#87

Chrysene

Concen: 3.565 ng/ul

RT: 21.518 min Scan# 3137

Delta R.T. 0.017 min

Lab File: BG063668.D

Acq: 12 Dec 2024 15:12

Instrument :

BNA_G

ClientSampleId :

E28Q4

Tgt Ion:228 Resp: 221609

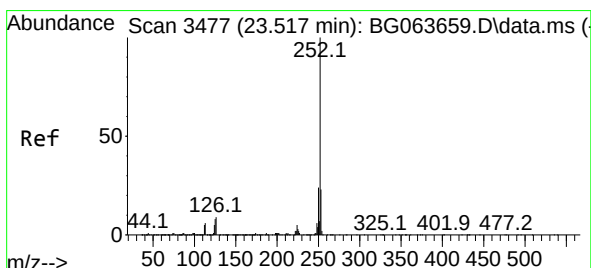
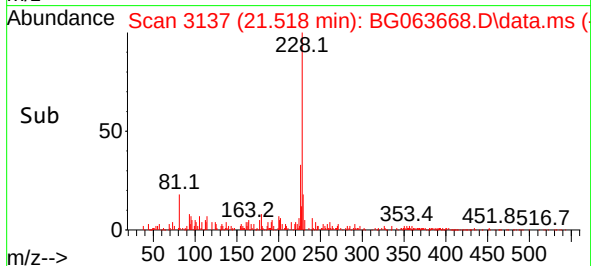
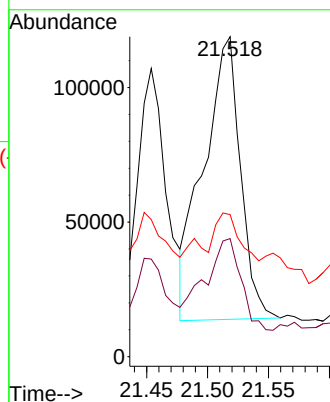
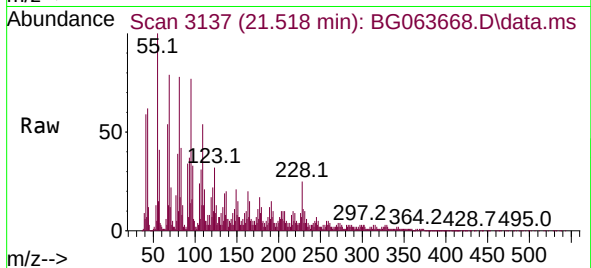
Ion	Ratio	Lower	Upper
228	100		
226	36.9	23.4	35.0
229	44.4	14.8	22.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#90

Benzo(b)fluoranthene

Concen: 5.254 ng/ul

RT: 23.569 min Scan# 3486

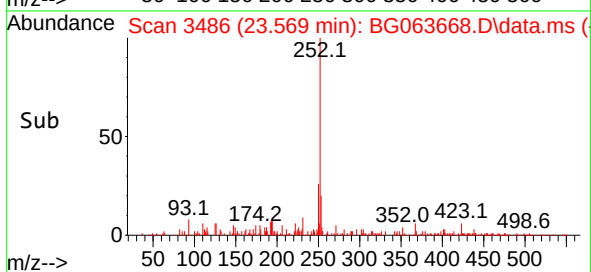
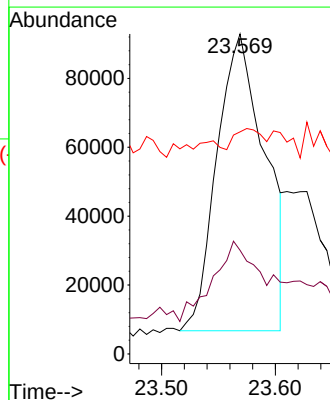
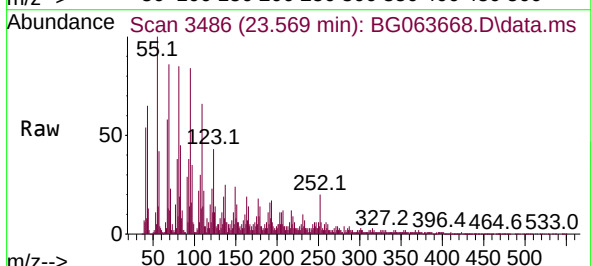
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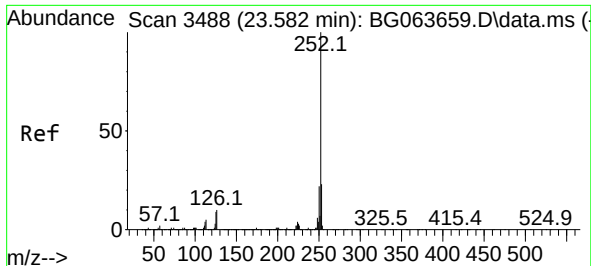
Lab File: BG063668.D

Acq: 12 Dec 2024 15:12

Tgt Ion:252 Resp: 251659

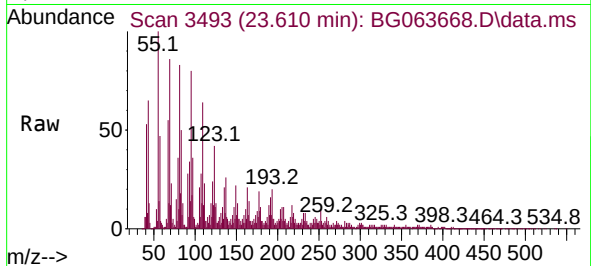
Ion	Ratio	Lower	Upper
252	100		
253	32.4	17.7	26.5
125	69.4	7.0	10.4





#91
Benzo(k)fluoranthene
Concen: 2.383 ng/ul m
RT: 23.610 min Scan# 3488
Delta R.T. 0.023 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12

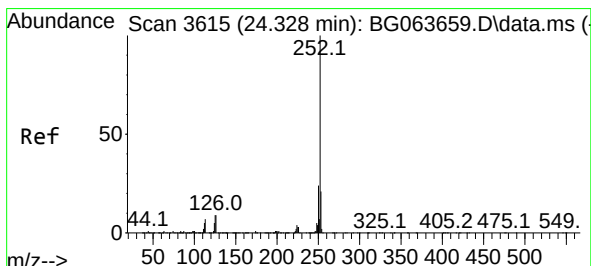
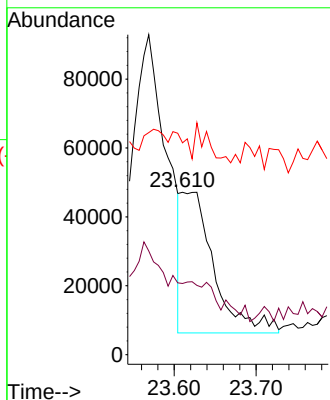
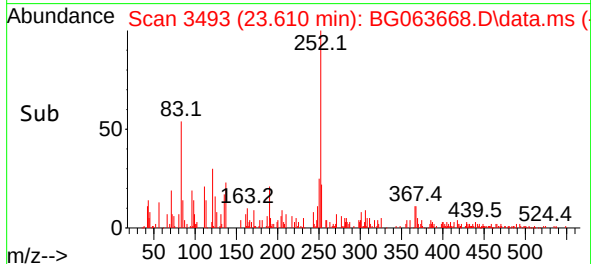
Instrument :
BNA_G
ClientSampleId :
E28Q4



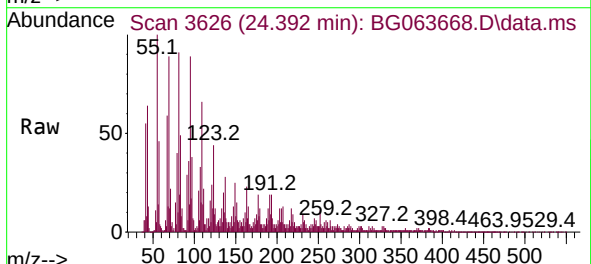
Tgt Ion:252 Resp: 11388
Ion Ratio Lower Upper
252 100
253 43.9 17.7 26.5
125 130.4 6.5 9.7

Manual Integrations
APPROVED

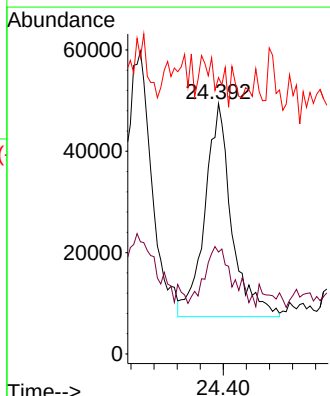
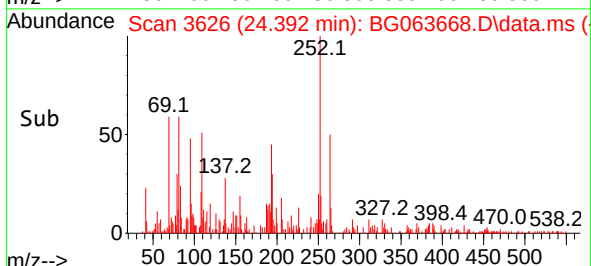
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024

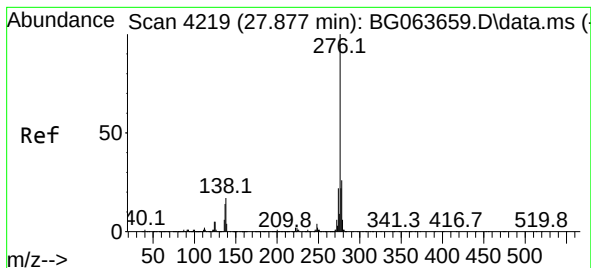


#93
Benzo(a)pyrene
Concen: 3.025 ng/ul m
RT: 24.392 min Scan# 3626
Delta R.T. 0.052 min
Lab File: BG063668.D
Acq: 12 Dec 2024 15:12



Tgt Ion:252 Resp: 136003
Ion Ratio Lower Upper
252 100
253 40.7 16.6 24.8#
125 110.4 8.0 12.0#





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.677 ng/ul m

RT: 27.981 min Scan# 41

Delta R.T. 0.093 min

Lab File: BG063668.D

Acq: 12 Dec 2024 15:12

Instrument :

BNA_G

ClientSampleId :

E28Q4

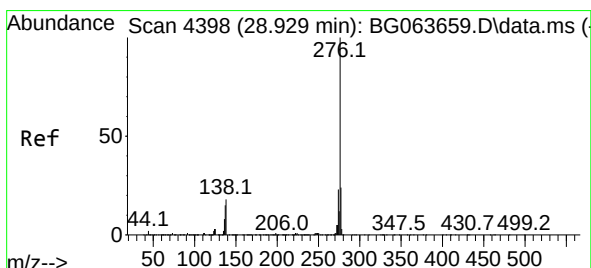
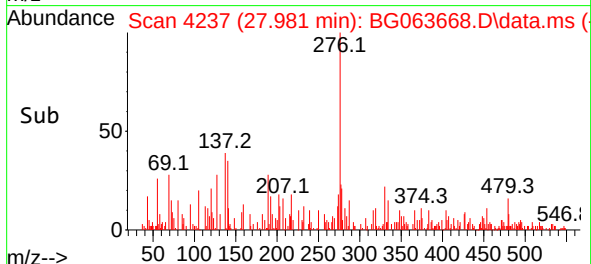
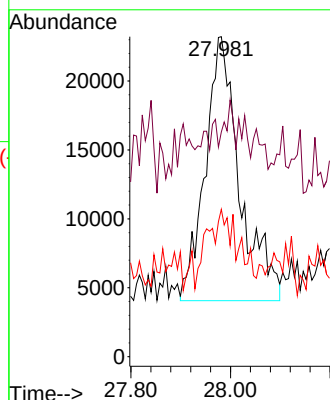
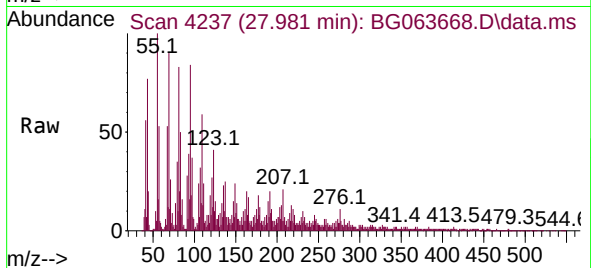
Tgt Ion:	276	Resp:	92108
Ion Ratio	Lower	Upper	
276	100		
138	70.2	13.7	20.5
277	46.1	18.4	27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#96

Benzo(g,h,i)perylene

Concen: 2.441 ng/ul m

RT: 29.045 min Scan# 4418

Delta R.T. 0.105 min

Lab File: BG063668.D

Acq: 12 Dec 2024 15:12

Tgt Ion:	276	Resp:	106339
Ion Ratio	Lower	Upper	
276	100		
138	66.3	13.8	20.8#
277	60.6	17.8	26.8#

