

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052924\
 Data File : BG061354.D
 Acq On : 30 May 2024 9:04
 Operator : MA/JU
 Sample : P2571-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH668

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/01/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 31 02:11:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.882	152	26291	20.000	ng/u1	0.00
20) Naphthalene-d8	10.678	136	110266	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.515	164	82584	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	181259	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.519	240	192234	20.000	ng/u1	0.00
88) Perylene-d12	24.603	264	211444	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	2453m	5.221	ng/uL	0.00
4) Pyridine-d5	3.751	84	17508	10.475	ng/u1	0.01
7) Phenol-d5	7.065	99	56264	26.060	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.212	67	36417	26.836	ng/u1	0.00
11) 2-Chlorophenol-d4	7.423	132	46582	29.153	ng/u1	0.01
15) 4-Methylphenol-d8	8.598	113	29711	16.139	ng/u1	0.00
21) Nitrobenzene-d5	9.039	128	24021	28.294	ng/u1	0.01
24) 2-Nitrophenol-d4	9.762	143	29098	29.286	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.308	165	56002	28.911	ng/u1	0.00
31) 4-Chloroaniline-d4	10.813	131	35655	14.070	ng/u1	0.01
46) Dimethylphthalate-d6	13.922	166	183415	28.636	ng/u1	0.00
49) Acenaphthylene-d8	14.209	160	202764	30.450	ng/u1	0.00
54) 4-Nitrophenol-d4	14.750	143	20014	25.274	ng/u1	0.01
60) Fluorene-d10	15.508	176	161580	29.220	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.643	200	19573	17.854	ng/u1	0.00
73) Anthracene-d10	17.365	188	246190	30.808	ng/u1	0.00
81) Pyrene-d10	19.656	212	307918	31.196	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.392	264	332450	32.704	ng/u1	0.00
Target Compounds					Qvalue	
72) Phenanthrene	17.306	178	84931	9.654	ng/u1	98
74) Anthracene	17.394	178	9246	1.016	ng/u1	95
77) Carbazole	17.670	167	8580	1.160	ng/u1	94
78) Di-n-butylphthalate	18.228	149	11386	1.228	ng/u1#	89
80) Fluoranthene	19.321	202	263823	22.281	ng/u1	99
82) Pyrene	19.685	202	246474	20.054	ng/u1	99
83) Butylbenzylphthalate	20.573	149	10665	2.526	ng/u1#	84
85) Benzo(a)anthracene	21.495	228	144995	10.931	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.413	149	65312	10.450	ng/u1#	99
87) Chrysene	21.560	228	163707	13.404	ng/u1	97
90) Benzo(b)fluoranthene	23.634	252	222393	17.665	ng/u1	98
91) Benzo(k)fluoranthene	23.687	252	80798m	6.322	ng/u1	
93) Benzo(a)pyrene	24.456	252	141286	11.819	ng/u1#	96
94) Indeno(1,2,3-cd)pyrene	28.093	276	96423m	6.670	ng/u1	
95) Dibenzo(a,h)anthracene	28.134	278	20765	1.742	ng/u1#	93
96) Benzo(g,h,i)perylene	29.192	276	76851m	6.682	ng/u1	

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

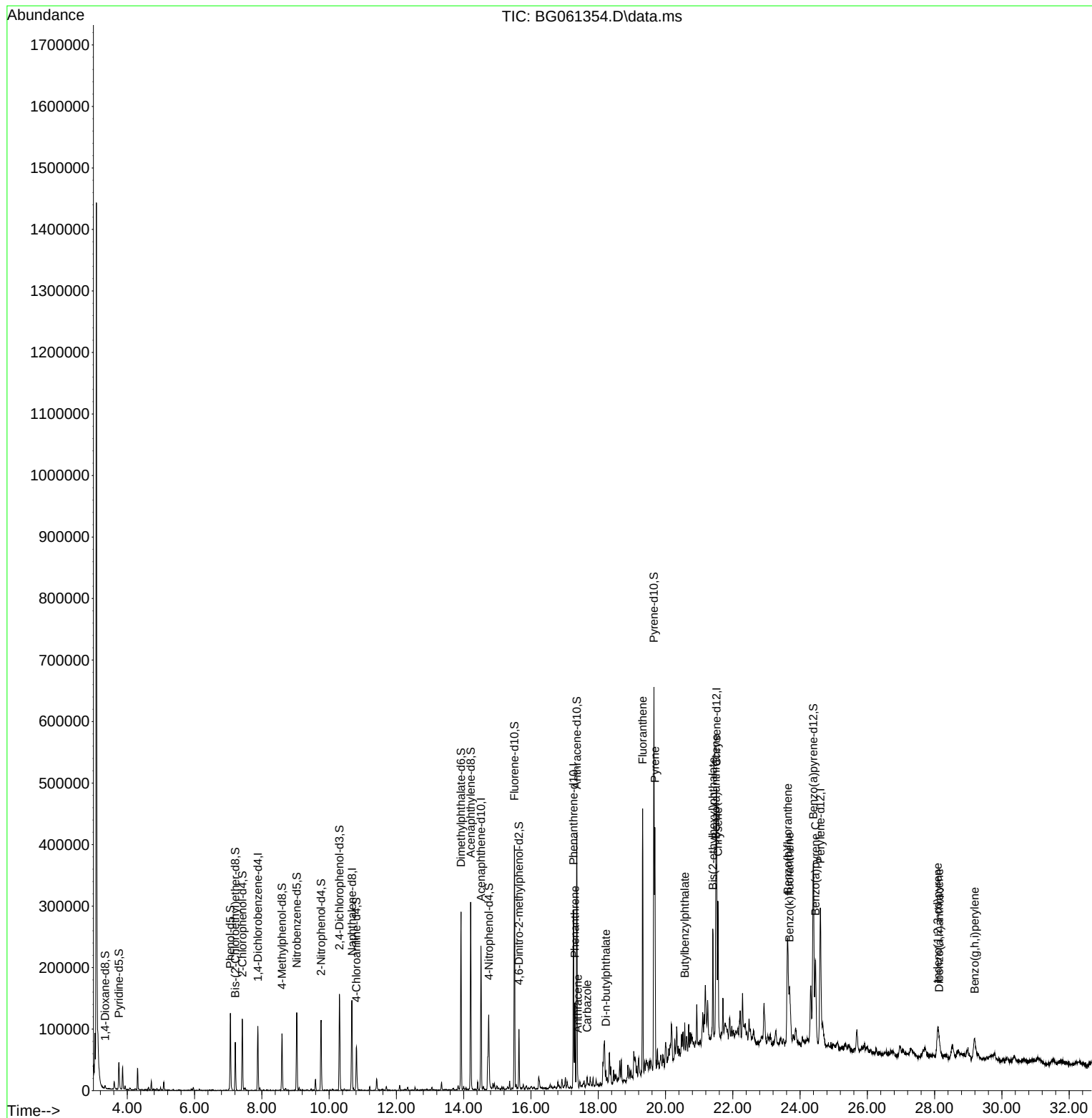
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Data File : BG061354.D
Acq On : 30 May 2024 9:04
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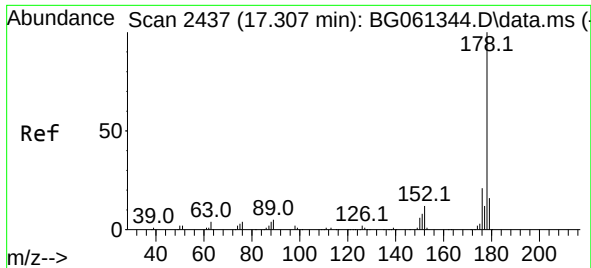
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
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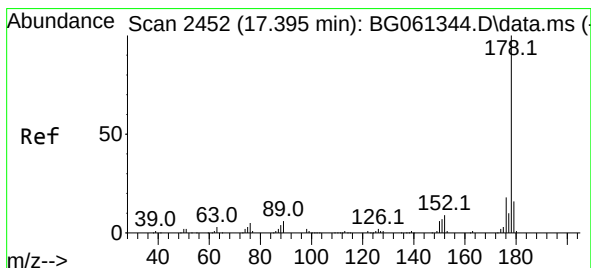
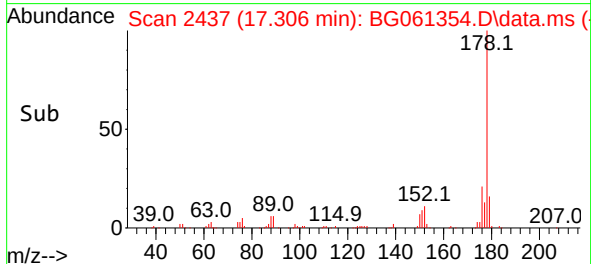
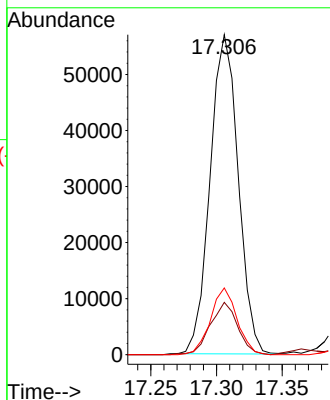
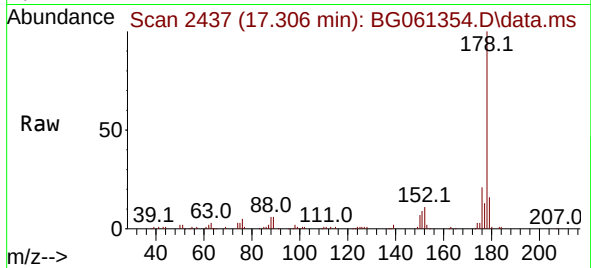
#72
Phenanthrene
Concen: 9.654 ng/ul
RT: 17.306 min Scan# 2437
Delta R.T. 0.006 min
Lab File: BG061354.D
Acq: 30 May 2024 9:04

Instrument :
BNA_G
ClientSampleId :
BH668

Tgt Ion:178 Resp: 8493
Ion Ratio Lower Upper
178 100
179 16.4 12.7 19.1
176 20.8 15.5 23.3

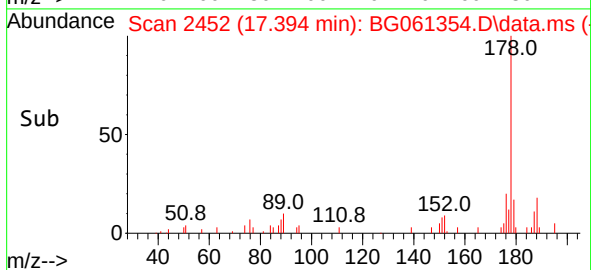
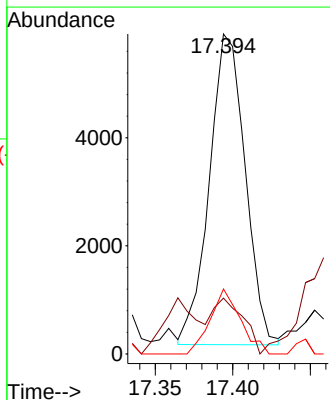
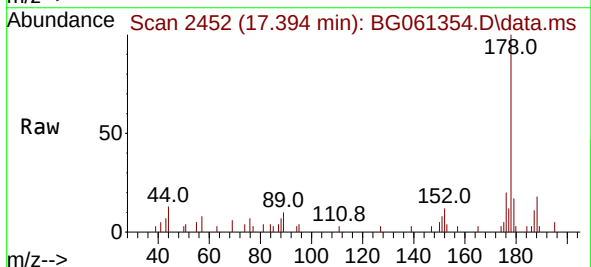
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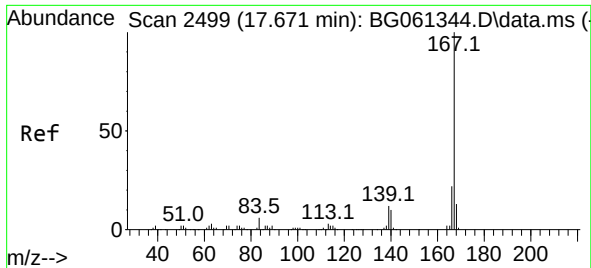
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#74
Anthracene
Concen: 1.016 ng/ul
RT: 17.394 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BG061354.D
Acq: 30 May 2024 9:04

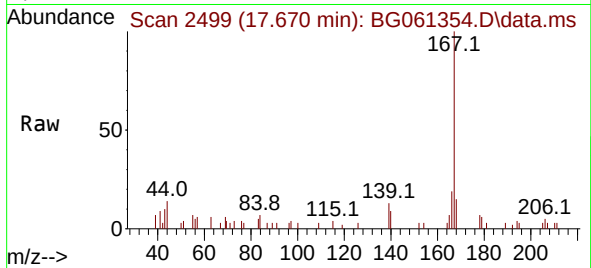
Tgt Ion:178 Resp: 9246
Ion Ratio Lower Upper
178 100
179 17.4 11.8 17.6
176 20.3 14.9 22.3





#77
 Carbazole
 Concen: 1.160 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. 0.006 min
 Lab File: BG061354.D
 Acq: 30 May 2024 9:04

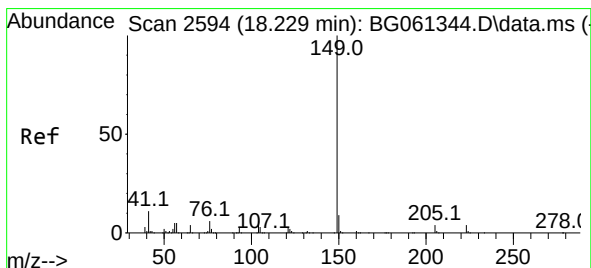
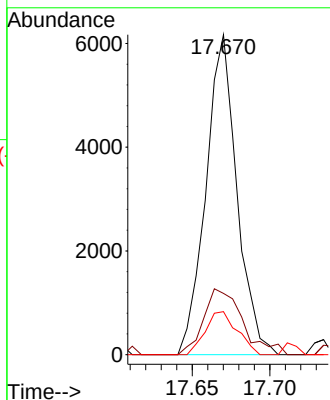
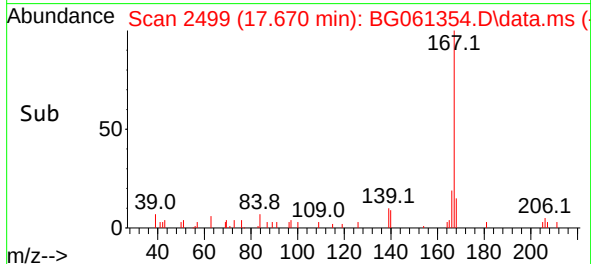
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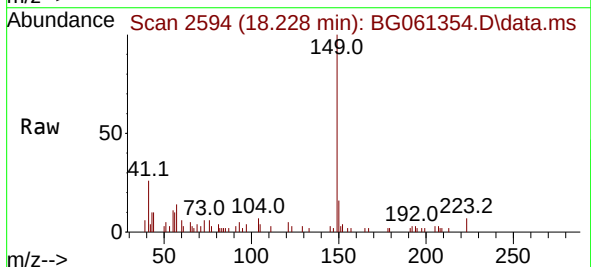
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 Ion Ratio Lower Upper
 167 100
 166 19.2 18.6 28.0
 139 13.4 10.6 15.8

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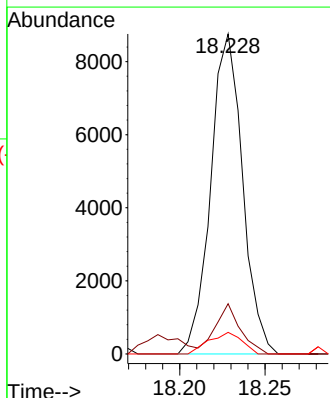
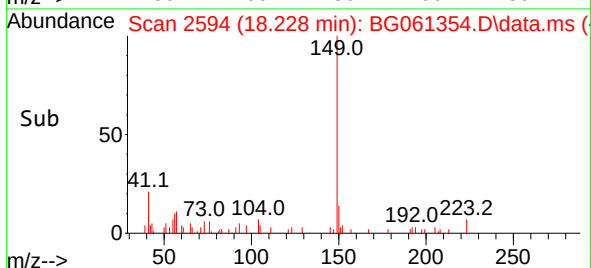
Reviewed By :Yogesh Patel 06/01/2024
 Supervised By :mohammad ahmed 06/01/2024

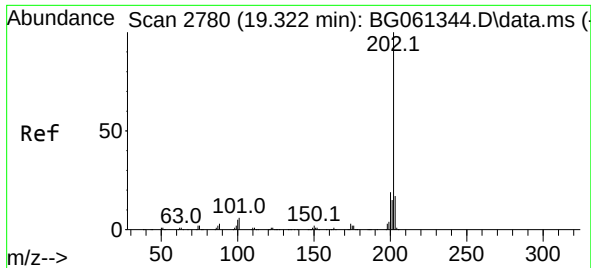


#78
 Di-n-butylphthalate
 Concen: 1.228 ng/ul
 RT: 18.228 min Scan# 2594
 Delta R.T. 0.006 min
 Lab File: BG061354.D
 Acq: 30 May 2024 9:04



Tgt Ion:149 Resp: 11386
 Ion Ratio Lower Upper
 149 100
 150 15.7 7.8 11.8#
 104 6.7 4.8 7.2





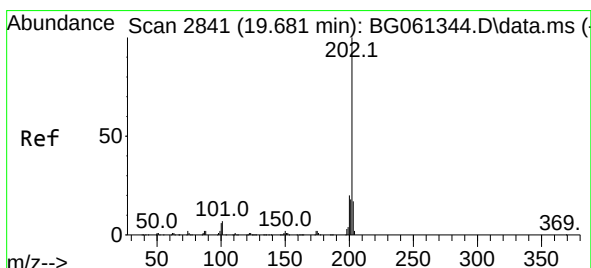
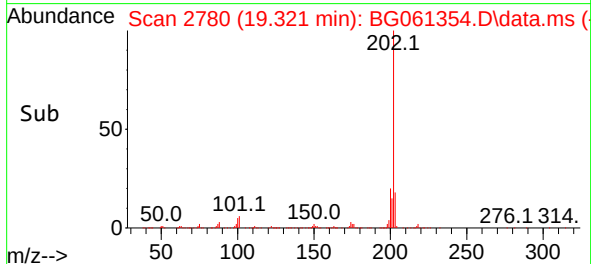
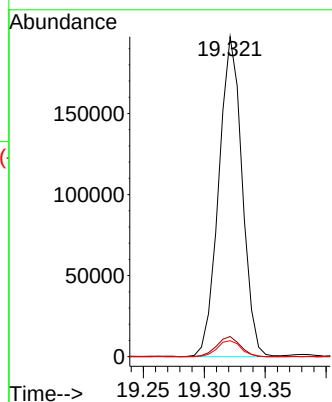
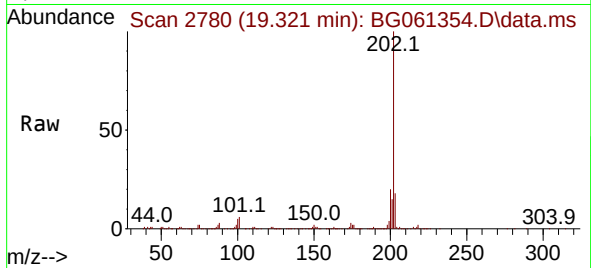
#80
Fluoranthene
Concen: 22.281 ng/u1
RT: 19.321 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG061354.D
Acq: 30 May 2024 9:04

Instrument :
BNA_G
ClientSampleId :
BH668

Tgt Ion:202 Resp: 26382
Ion Ratio Lower Upper
202 100
101 6.3 4.8 7.2
100 5.0 4.1 6.1

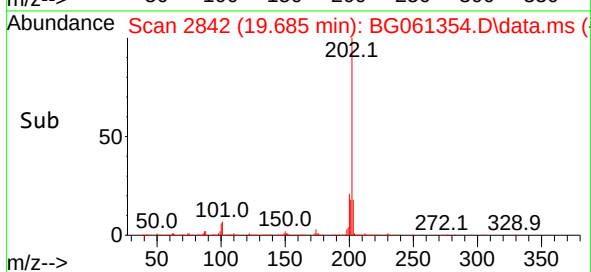
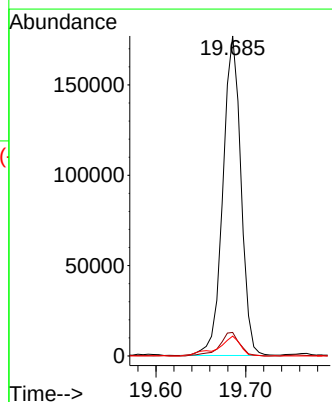
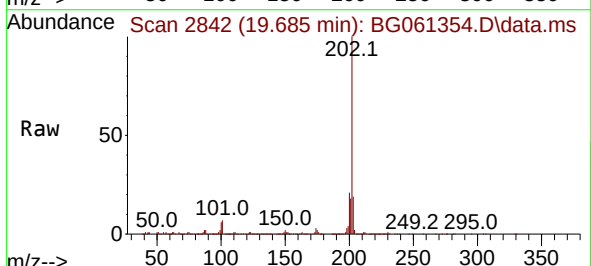
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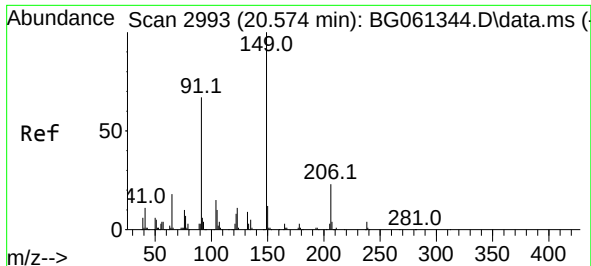
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#82
Pyrene
Concen: 20.054 ng/u1
RT: 19.685 min Scan# 2842
Delta R.T. 0.006 min
Lab File: BG061354.D
Acq: 30 May 2024 9:04

Tgt Ion:202 Resp: 246474
Ion Ratio Lower Upper
202 100
101 7.4 5.7 8.5
100 6.2 5.1 7.7





#83
Butylbenzylphthalate
Concen: 2.526 ng/ul
RT: 20.573 min Scan# 2993
Delta R.T. 0.001 min
Lab File: BG061354.D
Acq: 30 May 2024 9:04

Instrument :

BNA_G

ClientSampleId :

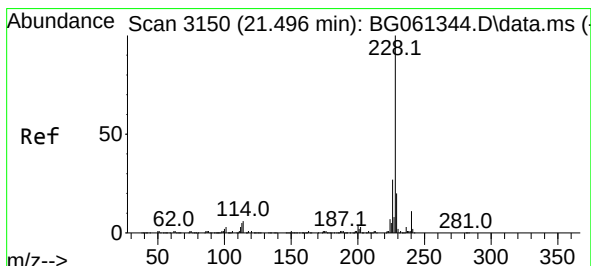
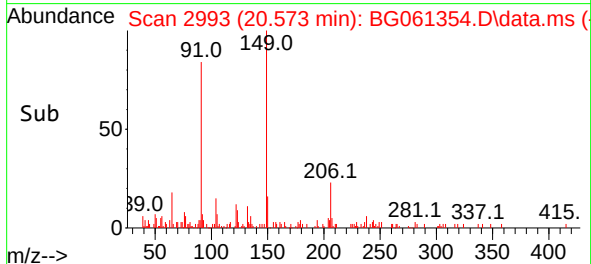
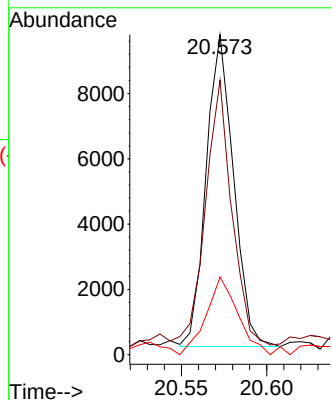
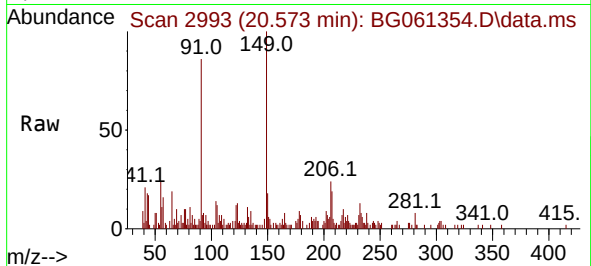
BH668

Tgt Ion:149 Resp: 1066
Ion Ratio Lower Upper
149 100
91 85.8 54.8 82.2
206 24.2 19.4 29.0

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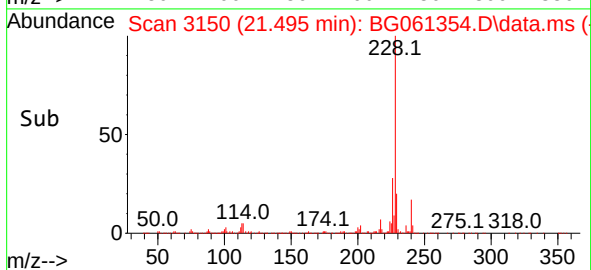
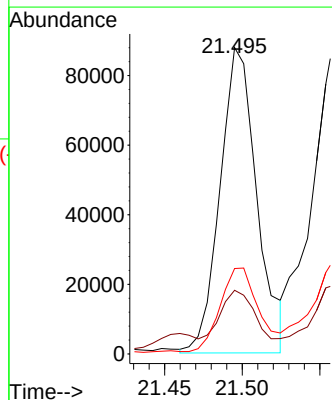
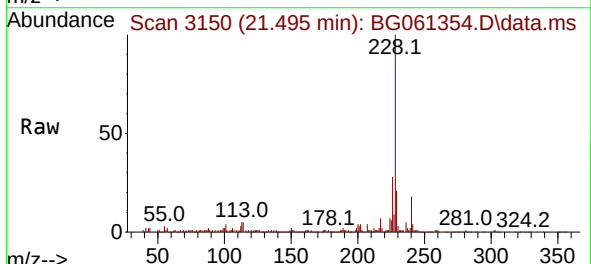
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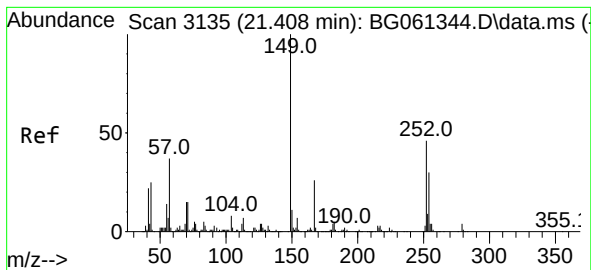
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#85
Benzo(a)anthracene
Concen: 10.931 ng/ul
RT: 21.495 min Scan# 3150
Delta R.T. 0.001 min
Lab File: BG061354.D
Acq: 30 May 2024 9:04

Tgt Ion:228 Resp: 144995
Ion Ratio Lower Upper
228 100
229 20.8 15.2 22.8
226 27.9 21.4 32.2





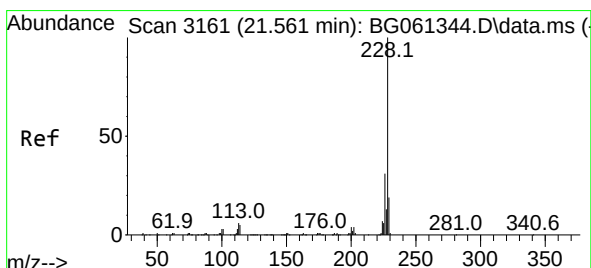
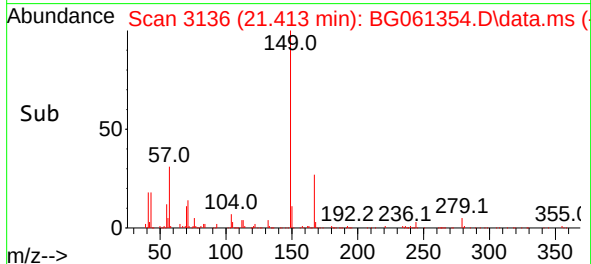
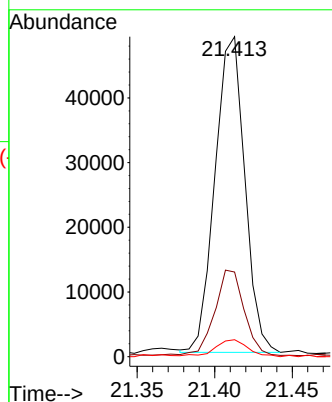
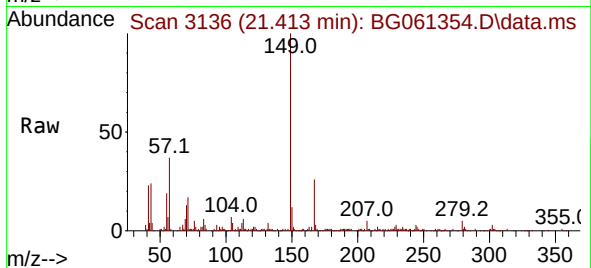
#86
Bis(2-ethylhexyl)phthalate
Concen: 10.450 ng/ul
RT: 21.413 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BG061354.D
Acq: 30 May 2024 9:04

Instrument :
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BH668

Tgt Ion:149 Resp: 65312
Ion Ratio Lower Upper
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167 26.4 21.1 31.7
279 5.3 3.3 4.9

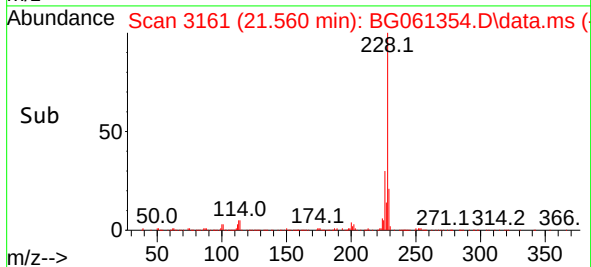
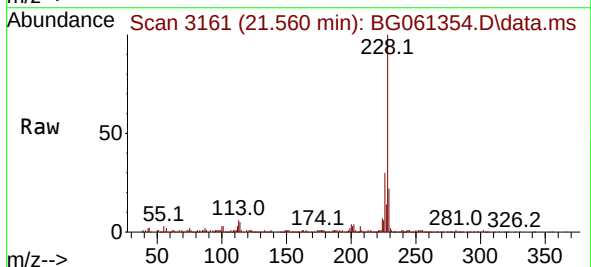
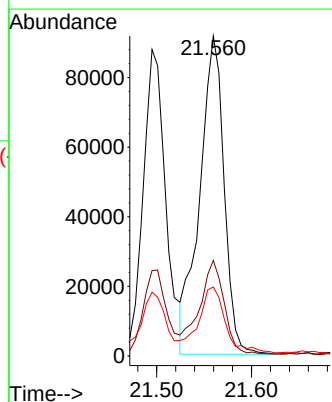
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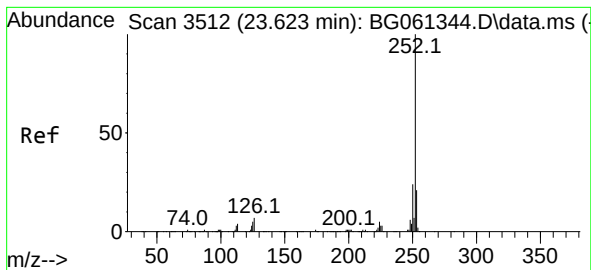
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#87
Chrysene
Concen: 13.404 ng/ul
RT: 21.560 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BG061354.D
Acq: 30 May 2024 9:04

Tgt Ion:228 Resp: 163707
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.0
229 21.5 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 17.665 ng/ul

RT: 23.634 min Scan# 3514

Delta R.T. 0.018 min

Lab File: BG061354.D

Acq: 30 May 2024 9:04

Instrument :

BNA_G

ClientSampleId :

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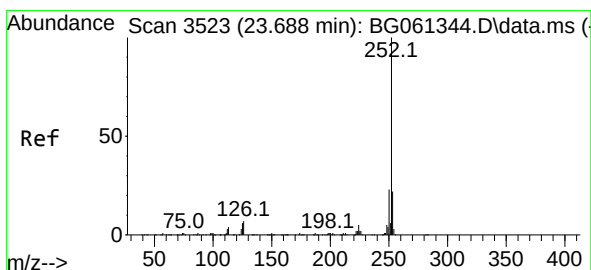
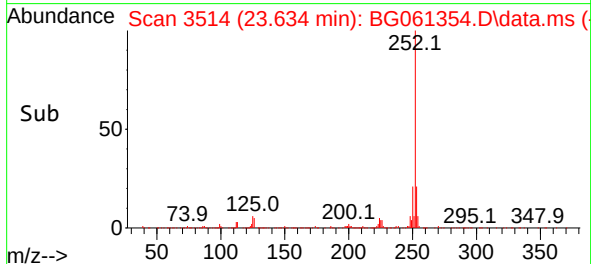
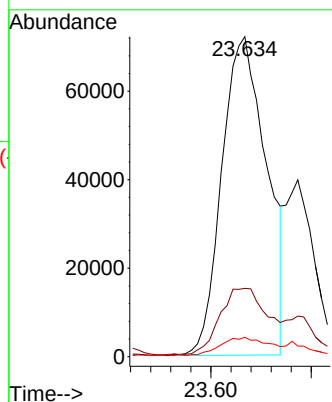
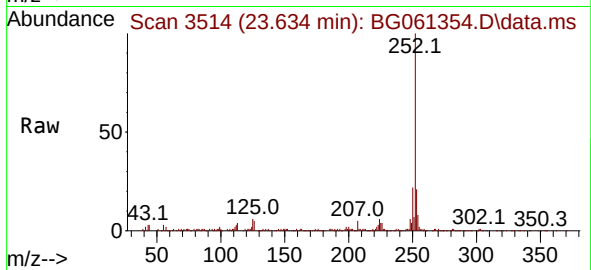
Tgt Ion:	252	Resp:	22239
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.8	26.8
125	6.0	4.6	6.8

Manual Integrations

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#91

Benzo(k)fluoranthene

Concen: 6.322 ng/ul m

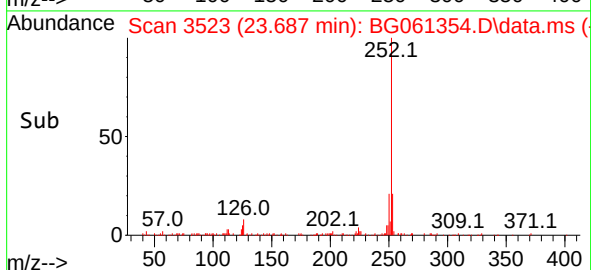
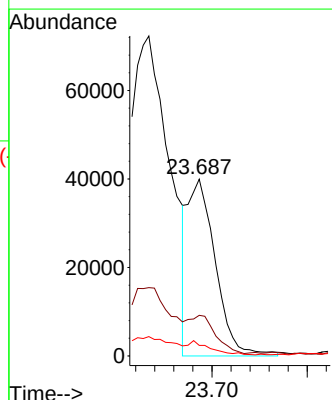
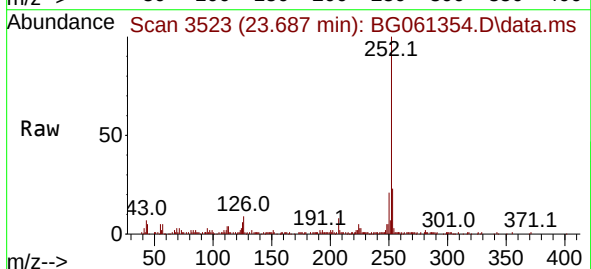
RT: 23.687 min Scan# 3523

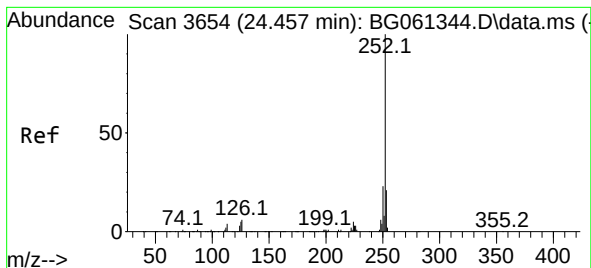
Delta R.T. 0.006 min

Lab File: BG061354.D

Acq: 30 May 2024 9:04

Tgt Ion:	252	Resp:	80798
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.0	24.0
125	6.0	4.3	6.5





#93

Benzo(a)pyrene

Concen: 11.819 ng/ul

RT: 24.456 min Scan# 30

Delta R.T. 0.006 min

Lab File: BG061354.D

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ClientSampleId :

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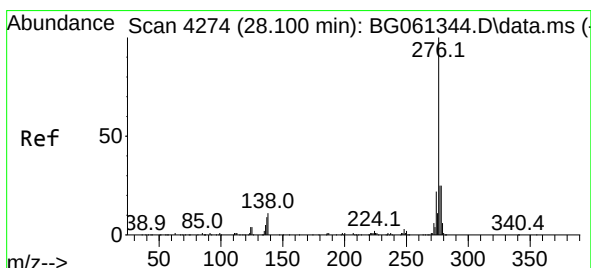
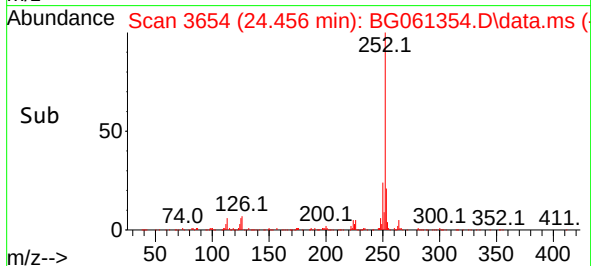
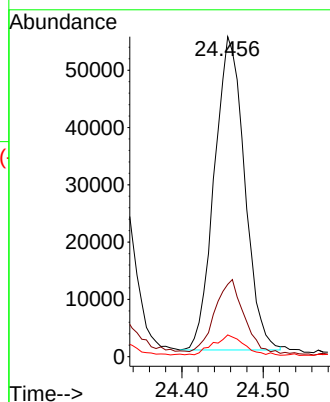
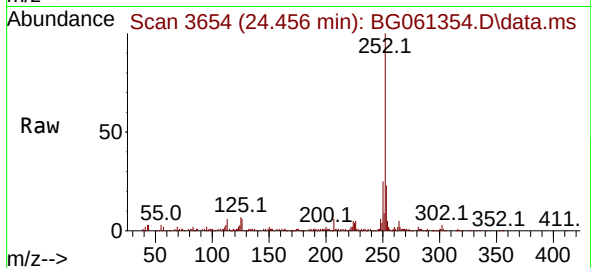
Tgt Ion:252 Resp: 141280
 Ion Ratio Lower Upper
 252 100
 253 22.6 16.4 24.6
 125 6.8 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2024

Supervised By :mohammad ahmed 06/01/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.670 ng/ul m

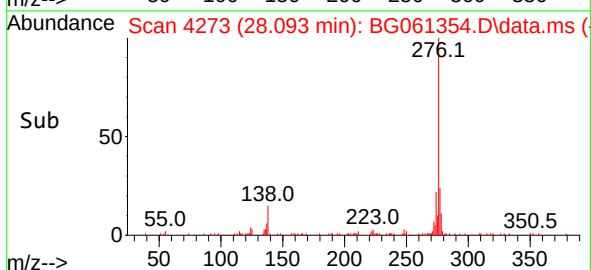
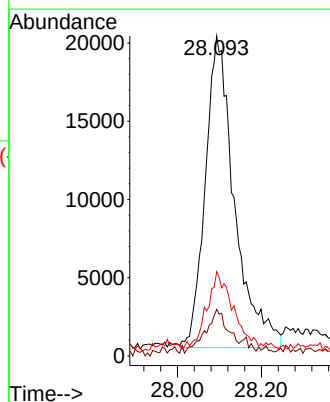
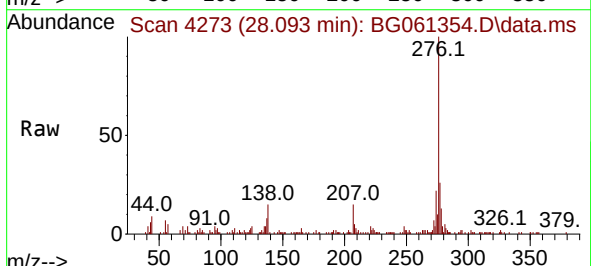
RT: 28.093 min Scan# 4273

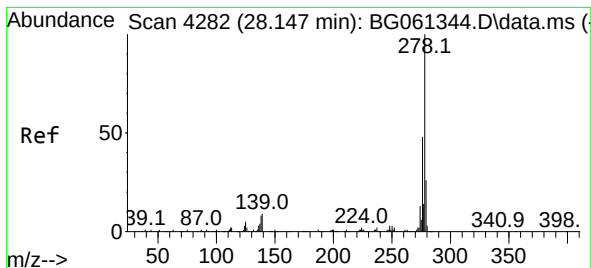
Delta R.T. 0.001 min

Lab File: BG061354.D

Acq: 30 May 2024 9:04

Tgt Ion:276 Resp: 96423
 Ion Ratio Lower Upper
 276 100
 138 14.6 8.6 13.0#
 277 26.4 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.742 ng/ul

RT: 28.134 min Scan# 41

Delta R.T. -0.005 min

Lab File: BG061354.D

Acq: 30 May 2024 9:04

Instrument :

BNA_G

ClientSampleId :

BH668

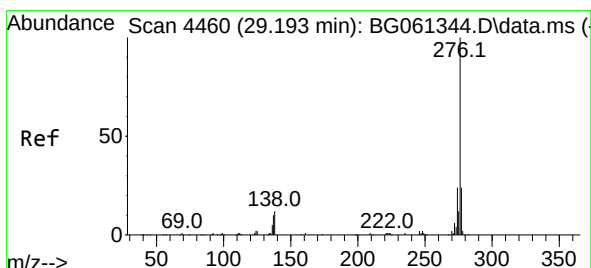
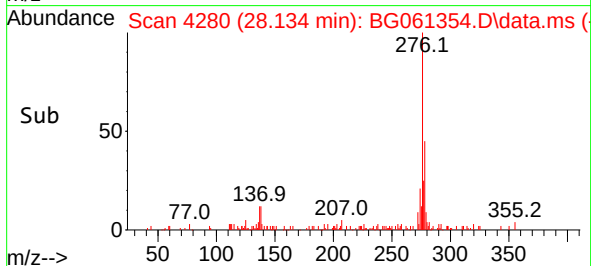
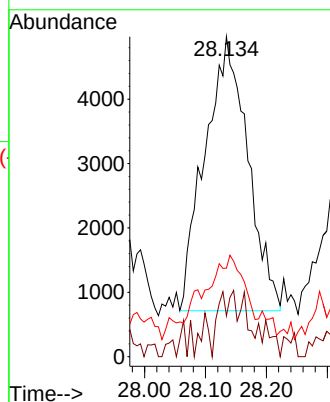
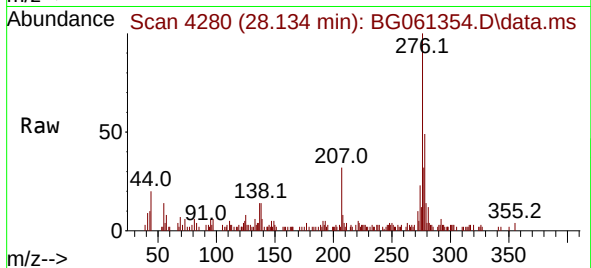
Tgt Ion:	278	Resp:	2076
Ion Ratio	Lower	Upper	
278	100		
139	12.8	6.4	9.6
279	27.7	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2024

Supervised By :mohammad ahmed 06/01/2024



#96

Benzo(g,h,i)perylene

Concen: 6.682 ng/ul m

RT: 29.192 min Scan# 4460

Delta R.T. 0.018 min

Lab File: BG061354.D

Acq: 30 May 2024 9:04

Tgt Ion:	276	Resp:	76851
Ion Ratio	Lower	Upper	
276	100		
138	11.4	8.7	13.1
277	23.5	18.2	27.2

